



ATIS STANDARD

**ATIS-0404000-0050 - ATIS-0404025-0050**

**ACCESS SERVICE ORDERING  
GUIDELINES (ASOG)  
Version 50  
March 21, 2015**

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **ASOG V50 SYNOPSIS OF CHANGES**

<b>ISSUES INCLUDED IN THIS SYNOPSIS</b>	
<b>ISSUE NUMBER</b>	<b>DESCRIPTION</b>
3503	ASOG: Modify MUXLOC and SMUXLOC usage rules for multiple circuit occurrences.
3506	ASOG: Update Practice ATIS0404025 (ECI)
3508	ASOG: Enhance the ASOG to incorporate gaps between ASOG and MEF EVC and UNI Service Attributes
3509	ASOG: Add new valid entry to SR field
3510	ASOG: Prohibit CIC related fields when placing Wireless service requests.
3512	ASOG: Update to BI Field on Switched Ethernet Services Form (008) and Additional Circuit Information Form (Practice 007)
3513	ASOG: Add HVP to the Switched Ethernet Services Form (008)
3514	ASOG: Clarify Working Telephone Number

<b>ISSUES CLOSED IN THIS RELEASE, DETAILS IN MECH SPEC</b>	
<b>ISSUE NUMBER</b>	<b>DESCRIPTION</b>
3491	ASR Mechanized Specifications: Sunset the use of MECH SPEC practice ATIS-0404100 (NOTE: SUNSET WILL BE EFFECTIVE DECEMBER 31, 2016)

## **ASOG V50 SYNOPSIS OF CHANGES**

<b>The following table depicts the type of change category definitions:</b>		
<b>TYPE OF CHANGE</b>	<b>=</b>	<b>CATEGORY DEFINITIONS</b>
NEW	=	Adding a new field
REM	=	Removing an existing field
FN	=	Field/Tag name change (e.g., EXEMPT REASON changed to ER)
FORMAT	=	Field format change (e.g., moved to another section of the form, etc.)
DEF	=	Definition change
DEFN	=	Definition notes addition, change, deletion
VE	=	Valid entries addition, change, deletion
VEN	=	Valid entry notes addition, change, deletion
USE	=	Usage statement change
USEN	=	Usage notes addition, change, deletion
DC	=	Data characteristics change (e.g., change from numeric to alpha/numeric)
DCL	=	Data characteristics length change
DCN	=	Data characteristics note addition, change, deletion
EX	=	Example addition, change, deletion
EXN	=	Example notes addition, change, deletion
FORM	=	Changes made to the ASR forms (i.e., additions, rearrangements, field length changes or deletions of fields)
GLOSSARY	=	Identifies changes within the glossary sections (i.e., additions or deletions of fields)
TEXT	=	Identifies changes within the text of a section (i.e., additions or deletions of fields)

## **ASOG V50 SYNOPSIS OF CHANGES**

<b>SYNOPSIS OF CHANGES</b>						
<b>PRAC #</b>	<b>ISSUE #</b>	<b>Field/ Section</b>	<b>Type Of Change</b>	<b>Description of Change</b>		<b>Field Length</b>
Overview						
000a	3508	Definitions: 1.4	TEXT	Add 2 definitions: Service Level Agreement and Service Level Specification		
000b						
ASR						
001						
FG A						
002	3503	MUXLOC: 20	DEFN	Add new Definition Note 4		
002						
WAL						
003						
Trunking						
004	3503	MUXLOC: 27	DEFN	Add new Definition Note 3		
004	3503	SMUXLOC: 32	DEFN	Add new Definition Note 3		
004	3510	CIC: 12	USEN	Added new Usage Note and re-numbered existing		
004						
Transport						
005	3503	MUXLOC: 27	DEFN	Add new Definition Note 3		
005	3503	SMUXLOC: 37	DEFN	Add new Definition Note 3		

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
005	3508	L2CPP: 44	NEW	Added Layer Two Control Protocol Peering		25
005	3508	L2CP-ADDR:45	NEW	Added Layer Two Control Protocol Peering		5
005	3508	UNI-MSFS: 46	NEW	Added UNI Maximum Service Frame Size		5
005	3508	L2CPP: 4,5	FORM	Added L2CPP field to the Camera Ready and Numeric Forms		25
005	3508	L2CP-ADDR: 4,5	FORM	Added L2CP- ADDR field to the Camera Ready and Numeric Forms		5
005	3508	UNI-MSFS: 4,5	FORM	Added UNI-MSFS field to the Camera Ready and Numeric Forms		5
005	3508	L2CPP: 3.2	GLOSSARY	Added L2CPP/Layer Two Control Protocol Peering field		
005	3508	L2CP-ADDR:3.2	GLOSSARY	Added L2CP- ADDR/Layer Two Control Protocol Address Set field		
005	3508	UNI-MSFS: 3.2	GLOSSARY	Added UNI-MSFS/UNI Maximum Service Frame Size field		
MSL						
006						
ACI						
007	3503	GENERAL: 1.1	TEXT	Updated text		
007	3503	ACI REQUEST FORM DESCRIPTION:2.2	TEXT	Updated text		
007	3512	BI – Bundling Indicator: 50	DEF	Changing definition		
007	3512	BI – Bundling Indicator: 50	DEFN	Changing definition note 1		

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
<b>PRAC #</b>	<b>ISSUE #</b>	<b>Field/Section</b>	<b>Type Of Change</b>	<b>Description of Change</b>		<b>Field Length</b>
007	3512	BI – Bundling Indicator: 50	DEFN	Removing definition note 2 and 3		
007	3512	BI – Bundling Indicator: 50	VE	Changing Valid Entry Y and adding entry A		
007	3512	BI – Bundling Indicator: 50	VEN	Adding Valid Entry Notes 1 and 2		
007	3512	BI – Bundling Indicator: 50	USEN	Changing usage note 1		
007	3508	SM: 54	NEW	Added Synchronous Mode		1
007	3508	UNI-MSFS: 53	NEW	Added UNI Maximum Service Frame Size		5
007	3508	SM: 4,5	FORM	Added SM field to the Camera Ready and Numeric Forms		1
007	3508	UNI-MSFS: 4,5	FORM	Added UNI-MSFS field to the Camera Ready and Numeric Forms		5
007	3508	SM: 3.3	GLOSSARY	Added SM/Synchronous Mode field		
007	3508	UNI-MSFS: 3.3	GLOSSARY	Added UNI-MSFS/UNI Maximum Service Frame Size field		
SES						
008	3512	BI – Bundling Indicator: 11	DEF	Changing definition		
008	3512	BI – Bundling Indicator: 11	DEFN	Changing definition note 1		
008	3512	BI – Bundling Indicator: 11	DEFN	Removing definition note 2 and 3		
008	3512	BI – Bundling Indicator: 11	VE	Changing Valid Entry Y and adding entry A		

## ASOG V50 SYNOPSIS OF CHANGES

<b>SYNOPSIS OF CHANGES</b>					
<b>PRAC #</b>	<b>ISSUE #</b>	<b>Field/Section</b>	<b>Type Of Change</b>	<b>Description of Change</b>	<b>Field Length</b>
008	3512	BI – Bundling Indicator: 11	VEN	Adding Valid Entry Notes 1 and 2	
008	3512	BI – Bundling Indicator: 11	USEN	Changing usage note 1	
008	3513	HVP – High Voltage Protection: 13	NEW	Add new field	1
008	3513	HVP – High Voltage Protection: 5	FORM	Added new field to camera ready	
008	3513	HVP – High Voltage Protection: 4	FORM	Added new field to enumerated	
008	3513	HVP – High Voltage Protection: 3.4	GLOSSARY	Added new field to Glossary	
008	3508	BUM: 10	DEFN	Removed NOTE 1	
008	3508	SBDW: 9	DEFN	Add NOTE 1	
008	3508	L2CPP: 18	NEW	Added Layer Two Control Protocol Peering	25
008	3508	L2CP-ADDR:19	NEW	Added Layer Two Control Protocol Address Set	5
008	3508	SM: 21	NEW	Added Synchronous Mode	1
008	3508	UNI-MSFS: 20	NEW	Added UNI Maximum Service Frame Size	5
008	3508	L2CPP: 4,5	FORM	Added L2CPP field to the Camera Ready and Numeric Forms	25
008	3508	L2CP-ADDR: 4,5	FORM	Added L2CP- ADDR field to the Camera Ready and Numeric Forms	5
008	3508	SM: 4,5	FORM	Added SM field to the Camera Ready and Numeric Forms	1

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
008	3508	UNI-MSFS: 4,5	FORM	Added UNI-MSFS field to the Camera Ready and Numeric Forms		5
008	3508	L2CPP: 3.4	GLOSSARY	Added L2CPP/Layer Two Control Protocol Peering field		
008	3508	L2CP-ADDR: 3.4	GLOSSARY	Added L2CP-ADR/Layer Two field		
008	3508	SM: 3.4	GLOSSARY	Added SM/Synchronous Mode field		
008	3508	UNI-MSFS: 3.4	GLOSSARY	Added UNI-MSFS/UNI Maximum Service Frame Size field		
OB						
009						
CN/R						
010						
CN						
011						
PC						
012						
EUSA						
013	3503	MUXLOC: 22	DEFN	Add new Definition Note 4		
013	3503	SMUXLOC: 57	DEFN	Add new Definition Note 4		
013	3509	SR:12	VE	Add new valid entry to the 1st & 3rd position.		
013	3508	L2CPP: 19	NEW	Added Layer Two Control Protocol Peering	25	
013	3508	L2CP-ADDR:20	NEW	Added Layer Two Control Protocol Address Set	5	
013	3508	UNI-MSFS: 21	NEW	Added UNI Maximum Service Frame Size	5	

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
013	3508	L2CPP: 4,5	FORM	Added L2CPP field to the Camera Ready and Numeric Forms		25
013	3508	L2CP-ADDR:4,5	FORM	Added L2CP- ADDR field to the Camera Ready and Numeric Forms		5
013	3508	UNI-MSFS:4,5	FORM	Added UNI-MSFS field to the Camera Ready and Numeric Forms		5
013	3508	L2CPP:3.5	GLOSSARY	Added L2CPP/Layer Two Control Protocol Peering field		
013	3508	L2CP-ADDR:3.5	GLOSSARY	Added L2CP- ADDR/Layer Two Control Protocol Address Set field		
013	3508	UNI-MSFS: 3.5	GLOSSARY	Added UNI-MSFS/UNI Maximum Service Frame Size field		
EOD						
014						
SALI						
015	3514	WKTEL: 48	DEF	Modify Definition		
EVC						
016	3508	L2CP: 17	REM	Removed L2CP field		
016	3508	BUM-FD: 21	NEW	Added Broadcast, Unicast and Multicast Frame Delivery		3
016	3508	CEV-P: 11	NEW	Added CE-VLAN Identification Preservation		1
016	3508	CEV-CP: 12	NEW	Added CE-VLAN Class of Service Preservation		1
016	3508	MSFS:10	NEW	Added Maximum Service Frame Size		5
016	3508	CIR-I: 41	NEW	Added Committed Information Rate (Ingress)		7
016	3508	CBS-I: 42	NEW	Added Committed Burst Size (Ingress)		7
016	3508	EIR-I: 43	NEW	Added Excess Information Rate (Ingress)		7

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
<b>PRAC #</b>	<b>ISSUE #</b>	<b>Field/Section</b>	<b>Type Of Change</b>	<b>Description of Change</b>		<b>Field Length</b>
016	3508	EBS-I: 44	NEW	Added Excess Burst Size (Ingress)		7
016	3508	CMI-I: 45	NEW	Added Color Mode Identifier (Ingress)		1
016	3508	BCF-I: 46	NEW	Added Bandwidth Coupling Flag (Ingress)		1
016	3508	L2CP: 4,5	FORM	Removed L2CP field from the Camera Ready and Numeric Forms		
016	3508	BUM-FD: 4,5	FORM	Added BUM-FD field to the Camera Ready and Numeric Forms		3
016	3508	CEV-P: 4,5	FORM	Added CEV-P field to the Camera Ready and Numeric Forms		1
016	3508	CEV-CP: 4,5	FORM	Added CEV-CP field to the Camera Ready and Numeric Forms		1
016	3508	MSFS: 4,5	FORM	Added MSFS field to the Camera Ready and Numeric Forms		5
016	3508	CIR-I: 4,5	FORM	Added CIR-I field to the Camera Ready and Numeric Forms		7
016	3508	CBS-I: 4,5	FORM	Added CBS-I field to the Camera Ready and Numeric Forms		7
016	3508	EIR-I: 4,5	FORM	Added EIR-I field to the Camera Ready and Numeric Forms		7
016	3508	EBS-I: 4,5	FORM	Added EBS-I field to the Camera Ready and Numeric Forms		7
016	3508	CMI-I: 4,5	FORM	Added CMI-I field to the Camera Ready and Numeric Forms		1
016	3508	BCF-I: 4,5	FORM	Added BCF-I field to the Camera Ready and Numeric Forms		1
016	3508	L2CP: 3.4	GLOSSARY	Removed L2CP field		
016	3508	BUM-FD: 3.4	GLOSSARY	Added BUM-FD/Broadcast, Unicast and Multicast Frame Delivery field		

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
016	3508	CEV-P: 3.4	GLOSSARY	Added CEV-P/CE-VLAN Identification Preservation field		
016	3508	CEV-CP: 3.4	GLOSSARY	Added CEV-CP/CE-VLAN Class of Service Preservation field		
016	3508	MSFS: 3.4	GLOSSARY	Added MSFS/Maximum Service Frame Size field		
016	3508	CIR-I: 3.4	GLOSSARY	Added CIR-I/Committed Information Rate (Ingress) field		
016	3508	CBS-I: 3.4	GLOSSARY	Added CBS-I/Committed Burst Size (Ingress)		
016	3508	EIR-I: 3.4	GLOSSARY	Added EIR-I/Excess Information Rate (Ingress)		
016	3508	EBS-I: 3.4	GLOSSARY	Added EBS-I/Excess Burst Size (Ingress)		
016	3508	CMI-I: 3.4	GLOSSARY	Added CMI-I/Color Mode Identifier (Ingress)		
016	3508	BCF-I: 3.4	GLOSSARY	Added BCF-I/Bandwidth Coupling Flag (Ingress)		
VCAT						
017						
MEC						
018						
TQ						
019	3510	CIC: 40	USEN	Modified Usage Note		
019	3510	CIC: 40	USEN	Added two Usage Notes and re-numbered existing		
019	3510	ACIC: 41	USEN	Modified Usage Note 1		
019	3510	ACIC: 41	USEN	Added two Usage Notes		
019	3510	CIC: 54	USEN	Modified Usage Note 1		
RING						
021						

## ASOG V50 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
ARI						
022						
VC						
023						
NAI						
024						
ECI						
025	3506	BAT: 1036-1043	VE	Add new valid entry		
025	3506	BAT: 1036-1043	VEN	Add new valid entry note 3 and modify valid entry note 1		
025	3506	NWKSTATA: 879	FN	Change tag/field name		
025	3506	NWKSTATA: 879	DEF	Modify definition		
025	3506	NWKSTATZ: 1054	NEW	Add new field - record F10B	1	
025	3506	FPG: 1055-1057	NEW	Add new field - record F10B	3	
025	3506	SBDW: 1003-1010	NEW	Add new field - record F10B	8	
025	3506	IPAI: 129	NEW	Add new field - record F30A	1	
025	3506	IP ADDRESS: 130-168	NEW	Add new field - record F30A	39	
025	3506	SUBNET MASK:169-183	NEW	Add new field - record F30A	14	

## **ASOG V50 SYNOPSIS OF CHANGES**

<b>SYNOPSIS OF CHANGES</b>					
<b>PRAC #</b>	<b>ISSUE #</b>	<b>Field/ Section</b>	<b>Type Of Change</b>	<b>Description of Change</b>	<b>Field Length</b>
<b>NOTES:</b>					



ATIS STANDARD

**ATIS-0404000-0050**

**Access Service Request Ordering Overview**  
**Access Service Ordering Guidelines (ASOG)**  
**Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404000-0050  
Access Service Request Ordering Overview - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*  
**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:

<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

## ACCESS SERVICE REQUEST ORDERING OVERVIEW

### TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1. GENERAL _____	1-1
2. GENERAL ORDERING RULES/INFORMATION _____	2-1
3. ORDERING FORMS MATRIX _____	3-1
4. FORM DESCRIPTIONS _____	4-1
5. FOUR STEP ORDERING PROCESS _____	5-1
6. SERVICES _____	6-1
7. LOCAL TRANSPORT RESTRUCTURE (LTR)_____	7-1
8. FEATURE GROUP A _____	8-1
9. WATS ACCESS LINES _____	9-1
10. TRUNKING _____	10-1
11. TRANSPORT SERVICE _____	11-1
11. TRANSPORT SERVICE continued _____	11-2
12. END USER SPECIAL ACCESS _____	12-1
13. MULTIPLE-EXCHANGE COMPANY (MULTI-EC) _____	13-1

## ACCESS SERVICE REQUEST ORDERING OVERVIEW

### TABLE OF CONTENTS (CONTINUED)

<u>SECTION</u>	<u>PAGE</u>
14. RING SERVICE _____	14-1
15. VIRTUAL CONNECTION SERVICE _____	15-1
16. NETWORK PLANNING SESSION _____	16-1
17. NETWORK ASSIGNMENT INFORMATION_____	17-1
18. CLARIFICATION/NOTIFICATION REQUEST _____	18-1
19. SERVICE ADDRESS LOCATION INFORMATION _____	19-1
20. PORTS CONFIGURATION INFORMATION _____	20-1
21. ETHERNET VIRTUAL CONNECTION SERVICE (EVC) _____	21-1
22. SWITCHED ETHERNET SERVICES (SES) _____	22-1
23. VIRTUAL CONCATENATION (VCAT) _____	23-1

## GENERAL SECTION

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	1.0
DEFINITIONS	1.4
GRAPHIC CONVENTIONS	1.5
FORMS AND PRACTICES	1.6

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

In an effort to insure that all possible providers, users and customers of access services or local trunking services are addressed in all issues and documentation maintained by or on behalf of the Ordering & Billing Forum, two terms describing these providers, users and customers will be used:

Customer

Provider

Throughout this document, the term customer describes the entity ordering services (e.g., an interexchange carrier or end user. The term provider describes the entity providing the service (e.g., an exchange carrier).

1.1 This overview describes the various ordering forms used for the purpose of requesting service to be provided by the providers. These instructions are equally applicable to manual (paper) and mechanized (electronic) forms of ordering by the customer when placing an order for service under the various provider tariffs/contracts/negotiations.

Many fields within the ASOG are applied on the same basis in both Canada and the United States.

In Canada, the geographical equivalent of a state is known as a province. In cases where there is a geographic reference, "state/province" will be indicated in the field definition where applicable.

The concept of LATA does not exist in Canada. Canadian providers are regulated at the federal level. For fields where a reference is made to state in association with regulatory issues or LATA, there will be no reference to "province" in the definition.

1.2 This guideline is reissued to reflect changes necessary to clarify the ASR ordering process as recommended by provider representatives and customer representatives in the Ordering and Billing Forum committees. Requests for changes, additions, deletions or other such enhancements are to be forwarded in accordance with the procedures in the Ordering and Billing Forum.

1.3 The Access Service Request does not convey licensing right to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

## 1.4 **DEFINITIONS**

The following list of definitions provides some of the most frequently used terms in ASR ordering. Refer to the access service tariffs/contracts/negotiations for a more extensive list or the various technical references addressing these services.

### Access Code

Denotes a uniform five or seven digit code assigned by the provider to an individual customer. The five digit code has the form 10XXX and the seven digit code has the form 950-XXXX or 101XXXX. It is important to be cognizant of another access code used within an end user switching vehicle (PBX, CENTREX). This access code is usually a three digit code for tie-trunk, FX, WATS, etc. or is a one digit code such as used in hotels for accessing various telecommunication services.

### Access Minutes - Interexchange Carriers

Denotes the usage of exchange facilities for the purpose of calculating chargeable access usage. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the provider and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both the originating and terminating end of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. Those two times are measured by the receipt of a signal known as answer/disconnect supervision.

### Access Service

Service and facilities provided for the origination or termination of InterLATA/IntraLATA or foreign telecommunications.

### Access Tandem (AT)

A provider switching entity designated by the provider for the purpose of originating and terminating traffic to end offices identified as subtending that access tandem. It is represented by an 11-character CLLI code.

Acceptance (Cooperative) Tests

Non-chargeable tests which are performed by the provider in cooperation with the customer at the customer's request at the time service is installed.

Answer/Disconnect Supervision

The transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer Point of Termination (POT) as an indication that the called party has answered or disconnected.

Billing Account Number Correction (BANC)

A BANC is issued by an Other Exchange Company (OEC) to update Billing Account Number (BAN) and/or Access Service Group (ASG) information.

Border Gateway Protocol (BGP)

The routing protocol that is designed to make core routing decisions between autonomous systems (AS) on the Internet.

Busy Hour Minutes of Capacity (BHMC)

Denotes the average of the highest time consistent hour of usage during the highest twenty consecutive day period during a calendar year.

Carrier

Any individual, partnership, association, joint-stock company, trust or corporation engaged for hire in interstate, intrastate or foreign communication by wire or radio.

Central Office

A local provider switching system where Telephone Exchange Service customer station loops are terminated for purposes of connections to each other and to trunks.

Central Office Prefix

The first three digits (NXN) of the seven digit telephone number assigned to an end user's Telephone Exchange Service when dialed on a local basis.

Channel(s)

An electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two or more points of termination.

Circuit Administration Center (CAC)

The provider organization which may have responsibility for developing Message Trunk forecasts, issuing Message Trunk orders and Network Routing orders to maintain Network service.

Circuit Provision Center (CPC)

Denotes the provider organization which may have responsibility for the assignment of interoffice facilities and equipment, circuit design, and the preparation and distribution of work order documents for special services, message trunks and carrier systems.

Common Channel Signaling (CCS)

A signaling method in which a signal channel conveys by means of labeled messages, signaling information relating to many circuits or calls and other information such as that used for network management.

Confirming Design Layout Report (CDLR)

Denotes a report sent by the customer engineering office to the provider Engineering Control Office (ECO). It either confirms the customer's acceptance of the design forwarded by the provider via the Design Layout Report (DLR) or requests specific changes in the design.

Control Office/Center

A provider office that has been designated as the Control Office for installation and maintenance purposes on a given service furnished for a customer.

Critical Dates

The specific provisioning Control dates in the life of an order (e.g., APP, DLRD, CDLRD) generated for order control and progress monitoring purposes after the due date has been determined.

Custom Local Area Signaling Services (CLASS<sup>sm1</sup>)

Features, such as calling number delivery, callback to calling number and end user originated call trace, associated with end user lines requiring support of SS7 signaling.

Customer

Any individual, partnership, association, corporation or governmental agency or any other entity which subscribes to the services offered to provide telecommunications services for its own use or for use of its customers (end users).

Customer's Agent

An entity which has an agreement between itself and its customer empowering that entity to act as the customer's agent on some or all matters concerning service being provided to the customer. The entity obtains an agency authorization from its customer specifying the degree of responsibility conferred on that entity.

Customer/Provider Negotiations

Throughout the ASOG and associated industry documents, there are references to terms such as: "Customer/Provider Negotiations", "Customer Provider Agreements" and "Provider/Tariff/Contracts/Negotiations".

Although common industry standard definitions and guidelines may exist, the industry recognizes that there may be variances based on individual provider practices.

Typical customer/provider negotiations may include (but not be limited to) the following:

- Use of a field
- Valid entries within a field
- Application of usage rules within a field

The information above does not override the guidelines found in Section 2 pertaining to conventions within this document.

---

<sup>1</sup> CLASS is a ServiceMark of Telcordia Technologies, Inc.

**Dedicated Network Access Link (DNAL)**

A dedicated data channel between the customer termination and a designated central office which contains the specific features required by the customer.

**Design Layout Report (DLR)**

A report containing technical and administrative information that describes the service provided by the provider. The technical information is needed by the customer to design the overall service and includes such items as cable makeup (gauge, loading, length, etc.), carrier channel bank type and system mileage, facility interfaces etc. The DLR is sent to the designated customer representative by the provider.

**Direct-Link Transport (DLT)**

A VG, DS-1, or portion thereof, between the SWC and the STP.

**Direct-Trunked Transport (DTT)**

A VG, DS-1, DS-3 or Optical transmission path, or portion thereof, between the SWC/HUB and the end office/access tandem/HUB.

**Effective 2-Wire**

A condition which may allow the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

**Effective 4-Wire**

A condition which may allow the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the provider (physical, time-domain and frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the end user premises or central office, but not at the customer Point of Interface. However, when terminated 2-wire, simultaneous independent transmission cannot be supported.

Egress

This term refers to the transmission of service frames from the provider's network towards the port.

End Office (EO)

A provider central office switching entity serving end user customers. It is represented by an 11-character CLLI code.

End User

Any individual, partnership, association, corporation, governmental agency or any other entity that subscribes to interstate/intrastate service(s) provided by a carrier.

Entrance Facility (EF)

The VG, DS-1, DS-3 or Optical transmission path, or portion thereof, between the POI and its serving wire center.

Ethernet Virtual Connection (EVC)

An association of two or more User Network Interfaces (UNI) that limits the exchange of Service Frames to those UNIs.

Firm Order Confirmation (FOC)

A Firm Order Confirmation is issued in response to a Firm Order ASR. It provides the customer with non-design information such as critical dates and circuit identification. Design information will be provided on the Design Layout Report (DLR) when requested by the customer.

External Network to Network Interface (ENNI)

A reference point representing the boundary between two Operator Metro Ethernet Networks (MENs) that are operated as separate administrative domains.

**First Point of Switching**

Denotes the first provider location at which switching occurs on the terminating path of a call proceeding from the customer terminal location to the terminating end office and, at the same time, the last provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer terminal location.

**Frame Relay Service (FRS)**

A high performance, packet mode, public data communications service which enables local area network (LAN) type connectivity among multiple distributed customer locations over a wide area. Data are relayed from the source to the desired destination by means of "virtual" connections, that is, through a fixed path established through the network. It may be offered providing Permanent Virtual Circuits (PVCs) Implemented N/A over dedicated digital access circuits.

**GET DATA**

Query service to provide flexible access to data for validation of the account owner and or regional accounting office indicating where to send billing records.

**HUB**

A provider location designated for multiplexing, bridging and/or terminating switched access services into switching entities.

**Hundred Call Seconds (CCS)**

A standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of service (e.g., trunks).

**Individual Case Basis (ICB)**

A condition in which the regulations, if applicable, rates and charges for an offering are developed based on the circumstances in each case.

**Ingress**

This term refers to the transmission of service frames from the port to the provider's network.

### Interexchange Customer Service Center (ICSC)

A point of contact in the provider area designated to handle negotiating, provisioning and billing inquiries for services.

### Internet Assigned Numbers Authority (IANA)

The IANA is a nonprofit corporation that oversees Internet Protocol related symbols and numbers including Global IP addresses and Autonomous System Number (ASN) Allocation.

### Internet Engineering Task Force (IETF)

An open international community of network designers, operators, vendors, and researchers concerned with making the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet.

### Interstate and Foreign Communications

Any communications subject to FCC oversight as provided under the Communications Act of 1934, as amended, and the FCC's Rules and Regulations.

### Inter-Switch Voice Messaging (ISVM)

A feature that enables voice mail and call answering capabilities to be extended to end users served by other switches in addition to those end users connected to a host switch with a voice messaging system.

### Intrastate Communications

Any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

### Jointly Provided Ring

A ring facility that is provisioned by multiple providers.

### Line-Side Connection

A connection of a transmission path to the line side of a local exchange switching system.

Link

A digital transmission path that transports signaling messages between elements of the common channel signaling network.

Local Access and Transport Area (LATA)

A geographic area established by the provider for the provision and administration of communications service. It encompasses designated exchanges, which are grouped to serve common social, economic and other purposes.

Local Transport (LT)

The transport requirement for lines/trunks from the customer POP location to the end office/access tandem. The transport may be either direct-trunked or tandem-switched.

The Network Channel (NC)

The NC is a coded representation of a channel service offered by a service provider. It defines both high level and detailed channel attributes. The format and structure is defined by ANSI T1.238-2004 and valid entries are defined and maintained by Telcordia Technologies through COMMON LANGUAGE® NC/NCI™ license agreements.

Network Channel Interface (NCI)

The NCI is a coded representation of the technical interface characteristics at either end of a network channel service as offered by a service provider. Its format and structure is defined by ANSI T1.238-2004 and valid entries are defined and maintained by Telcordia Technologies through COMMON LANGUAGE® NC/NCI™ license agreements.

Network Interface (NI)

The point of demarcation at the end user's premises at which the provider's responsibility for the provision of Service ends.

Network Planning

Various types of information that may need to be exchanged between the Local Exchange Carrier and the Certified Local Exchange Carrier to support the flow of Local and intraLATA traffic.

Node

A piece of transmission equipment at the end of a facility.

Operator Virtual Connections (OVC)

An association of “External Interfaces” within the same Operator Metro Ethernet Network (MEN). OVCs are the building blocks for constructing an EVC spanning multiple Operator MENs.

Originating Direction

The origination of calls from an end user to a customer terminal location.

Originating Line Number Screening (OLNS)

A Line Information Database (LIDB) based query service to provide access information for the originating line to facilitate call processing and billing associated with the line from which the call originates.

Physical Collocation

In physical collocation, the customer occupies space within a provider’s location and the customer installs and maintains its transmission equipment in that location. The provider then provides points of interconnection between the customer’s equipment and the provider network. Once the physical interconnection is established and tested, the customer buys services or UNEs from the provider, which the customer uses to provide services to its end user. The customer typically has 24 by 7 access to its collocation node and is responsible for the provisioning, maintenance and repair of its equipment.

Point of Interface (POI)/Point of Presence (POP)

The customer terminal location at which the provider's responsibility for access service ends.

Point of Interconnection (POI)

A POI is a physical demarcation (or handoff) between a customer and a provider's network for exchange of interconnection traffic. Typical arrangements include collocation at a provider's central office, collocation at a customer's premises or a mutually agreeable mid-span meet. While this terminology for POI is used for local interconnection, the terms of POI and POT are synonymous.

Ring Service

A dedicated high capacity network. This network consists of fiber routed through internodal and/or interoffice facilities.

Service Access Code (SAC)

Refers to a code in a form of NYY that takes the place of an NPA in the dialing sequence in order to access a particular service, where N is a numeric digit of 2 through 9 and YY is a duplicated numeric digit of 0 through 9 (e.g., 500, 533, 800, 877, 888, 900). Within the ASOG, references to SAC in the form of NYY pertain to the valid codes in effect as assigned and administered by the North American Numbering Plan Administrator (NANPA).

Service Level Agreement

The contract between the Subscriber and Service Provider specifying the agreed to service level commitments and related business agreements.

Service Level Specification

The technical specification of the service level being offered by the Service Provider to the Subscriber.

Service Request Confirmation (SRC)

A confirmation issued in response to the customer's request such as provisioning interval, estimated charges or BHMCs converted to a quantity of circuits.

Serving Wire Center (SWC)

The provider building/location which would normally provide dial tone to a specific address.

Signaling System 7 (SS7)

An internationally standardized general purpose common channel signaling system.

Signaling Point of Interface (SPOI)

The customer's signaling location at which the provider's responsibility for common channel signaling ends.

Signal Transport Point (STP)

A packet switch that provides translation and routing functions for signaling messages received from network signaling entities.

Special Service Center (SSC)

A provider office that has been designated control office on a given facility and/or termination furnished for a customer. The SSC may be responsible for the installation and repair of interoffice designed services including those terminated in provider CENTREX services.

Switching Control Center (SCC)

A provider office that has been designated control office on a given facility and/or termination furnished for a customer. The SCC may be responsible for the installation and repair of FGB-C-D access and for local trunking services.

Tandem-Switched Transport (TST)

The Voice Grade, DS-1, DS-3 or Optical transmission path, or portion thereof, between the SWC/HUB and the access tandem/HUB.

Terminating Direction

The completion of calls from a customer terminal location to an end user.

Trunk

A communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

### Trunk Group

A set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

### Trunk-Side Connection

The connection of a transmission path to the trunk side of a local exchange switching system.

### Unbundled Multiplexer

An unbundled multiplexer provides for the combining of multiple input signals of lower capacity or bandwidth into one facility for transmission over a single higher-speed channel. An unbundled multiplexer provides the customer dedicated use of the multiplexing function, since both the higher-speed channel and the lower-speed channels terminate at the customer's collocation arrangement established in the same central office.

### Unbundled Network Elements (UNE)

Unbundled network elements include but are not limited to: end office switch trunk ports, tandem switch trunk ports, unbundled multiplexing and unbundled interoffice transport. Unbundled network elements may connect two provider switches, a provider switch to a customer POI, or POI to POI.

### Unbundled Transport

Unbundled transport provides transmission between central offices or POIs. There are two types of transport: dedicated and shared. Dedicated transport provides the customer exclusive use of the interoffice facility while shared transport carries transmission from several different carriers, including the provider.

### V and H Coordinates Method

A method of computing airline miles between two points by utilizing an established formula which is based on the vertical (V) and horizontal (H) coordinates of the two points.

Virtual Collocation

The customer provides the equipment to be collocated to the provider for a nominal sum of \$1 or through some other arrangement. The provider then handles the provisioning, maintenance, and repair of the equipment at the customer's direction on a non-discriminatory basis.

Virtual Concatenation (VCAT)

An inverse multiplexing technique used to split synchronous optical network (SONET) or synchronous digital hierarchy (SDH) bandwidth into logical groups which may be transported or routed independently.

Wire Center (WC)

A building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

Wireless Type 1 Interconnection

Type 1 interconnection offers a trunk-side connection from an End Office (EO) to a Wireless Services Provider (WSP). This trunk-side connection has a Trunk With Line Treatment (TWLT) feature, or its equivalent, that offers trunk-side signaling and supervision but treats the connection as a line for recording purposes. With a Type 1 interconnection, the WSP can establish connections to valid NXX codes in the LATA.

Wireless Type 2A Interconnection

Type 2A interconnection is a trunk-side connection to the access or local tandem. The WSP functions like an EO. The tandem homing arrangements are specified in the Telcordia Local Exchange Routing Guide (LERG)™.

### Wireless Type 2B Interconnection

Type 2B interconnection is a trunk-side connection to an EO and functions exactly like a high usage trunk. It is intended to be used with a Type 2A connection in situations where the WSP has large traffic quantities to and from NXX codes within a specific EO. The first choice route is the Type 2B connection with overflow allowed via the Type 2A connection. With the Type 2B connection, the WSP can establish connections only to valid NXX codes in the EO providing the Type 2B connection.

### Wireless Type 2C Interconnection

Type 2C interconnection is used for connection to the Local Exchange Company (LEC) tandem arranged for 911 emergency calls. Type 2C calls are routed to the Public Safety Answering Point (PSAP) and may transfer cell site, sector information and/or subscriber ANI provided by the WSP.

### Wireless Type 2D Interconnection

Type 2D interconnection is used with a LEC Operator Service/Directory Assistance tandem to complete LEC operator assisted, and/or directory assistance calls.

### Wireless Type S Interconnection

Type S interconnection is used with LEC Signaling Transfer Point (STP) for access to the Common Channel Signaling (CCS) network.

## 1.5 GRAPHIC CONVENTIONS

The following depict the graphic conventions contained in subsequent sections of this practice.

### THE CONVENTIONS USED ARE:



**PBX or END USER**



**Customer Terminal (ACTL)**  
**Customer Point of Presence (POP)**  
**Signaling Point of Interface (SPOI)**



**Provider Central Office (CO)**  
**Access Tandem (AT)**



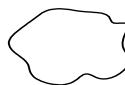
**Provider CO Switched Termination**  
**End Office (EO)**  
**Dial Tone Office (DTO)**  
**Signal Transfer Point (STP)**



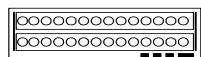
**Serving Wire Center (SWC)**  
**CO - Must be at least one**



**HUB**



**Representation of a network**



**Cross Connect Equipment**



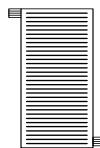
**Multiplexer (unbundled)**



**Existing services**



**New services being requested**



**Frame**

## 1.6 FORMS AND PRACTICES

There are many types of ordering forms used to order access services. Each form is supported by a practice containing the guidelines for use of the form and definitions for field entries. Definitions of same name fields should be consistent within a practice but may vary from practices to practices. These forms and the associated special report numbers are:

Access Service Request Form Preparation Guide	ATIS-0404001
Feature Group A Form Preparation Guide	ATIS-0404002
WATS Access Line Form Preparation Guide	ATIS-0404003
Trunking Form Preparation Guide	ATIS-0404004
Transport Form Preparation Guide	ATIS-0404005
Multipoint Service Legs Form Preparation Guide	ATIS-0404006
Additional Circuit Information Form Preparation Guide	ATIS-0404007
Switched Ethernet Services Form Preparation Guide	ATIS-0404008
Open Billing Form Preparation Guide	ATIS-0404009
Clarification/Notification Request Form Preparation Guide	ATIS-0404010
Confirmation Notice Form Preparation Guide	ATIS-0404011
Ports Configuration Form Preparation Guide	ATIS-0404012
End User Special Access Request Form Preparation Guide	ATIS-0404013
End Office Detail Form Preparation Guide	ATIS-0404014
Service Address Location Information Form Preparation Guide	ATIS-0404015
Ethernet Virtual Connection Form Preparation Guide	ATIS-0404016

## 1.6 FORMS AND PRACTICES (CONTINUED)

Virtual Concatenation Form Preparation Guide	ATIS-0404017
Multi-EC Form Preparation Guide	ATIS-0404018
Translation Questionnaire Form Preparation Guide	ATIS-0404019
Ring Form Preparation Guide	ATIS-0404021
Additional Ring Information Form Preparation Guide	ATIS-0404022
Virtual Connection Form Preparation Guide	ATIS-0404023
Network Assignment Information Preparation Guide	ATIS-0404024
Enhanced Customer Interface Preparation Guide	ATIS-0404025

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## GENERAL ORDERING RULES/INFORMATION

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL ORDERING RULES/INFORMATION	2.0
GENERAL	2.1
SERVICE QUANTITIES	2.2
RIGHT/LEFT JUSTIFICATIONS	2.3
CONVENTIONS	2.4
ERRORS	2.5
CUSTOMER/PROVIDER ENTRIES	2.6
ORDERING/BILLING CONFIGURATIONS	2.7
AGENCY LETTERS	2.8
ATTACHMENTS/REMARKS	2.9
MULTIPLE FORM REQUIREMENTS	2.10
SERVICE SPECIFIC FORMS	2.11
ADDITIONAL FORMS	2.12
PROVIDER INITIATED FORMS	2.13
COMMON LANGUAGE FORMATS	2.14
ETHERNET SERVICE ATTRIBUTES	2.15

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 2. GENERAL ORDERING RULES/INFORMATION

2.1 **GENERAL** Access and local trunking services are ordered using uniform order request forms. When a paper form is utilized to order any services supported by the various ASOG practices, the current version of that form should be submitted to the provider. Each request form contains entries required for ordering of the particular service and for the establishment of billing of the appropriate customer account.

2.2 **SERVICE QUANTITIES** Each request may be submitted for any quantity of access circuits provided that the entries pertaining to such access (with the exception of circuit identification) are identical.

2.3 **RIGHT/LEFT JUSTIFICATIONS** All Access Order forms utilize the following general instructions.

- Quantity fields are right justified.
- Fields with text are left justified.
- Fields not following these justification rules are so noted within the context of the definition and usage statement.

2.4 **CONVENTIONS** The access order guidelines incorporate the following conventions for the population of form entries. These instructions/conventions are equally applicable to manual (paper) and mechanized (electronic) forms of ordering by the customer when placing an order for service under the various provider tariffs/contracts and customer/provider negotiations. Any change to the usage of optional or conditional fields that affect the usage of any other required or prohibited ASOG field requires the submission of a formal issue per OBF guidelines.

- |            |  |
|------------|--|
| - Required | - is defined as the field must be populated. Any change to the condition of this field will require submission of a formal issue per OBF guidelines.   |
| - Optional | - is defined as the field may or may not be populated. Optional fields may be required by individual providers. Consideration (including a reasonable implementation timeframe) should be given when changing the usage of optional fields in an effort to minimize customer impact. |

- Prohibited - is defined as the field must not be populated. Any change to the condition of this field will require submission of a formal issue per OBF guidelines.
- Conditional - is defined as the field is dependent upon the relationship to another entry as specified in the usage statement and is dependent upon the presence, absence or combination of other data entries. Conditional fields may be required by individual providers. Consideration (including a reasonable implementation timeframe) should be given when changing the usage of conditional fields, in an effort to minimize customer impact.
- Alpha/Numeric, Etc. field composition statements are designed to describe the type of valid entries. If a numeric field is designated as prohibited, it should be left blank and not zero filled.
- Punctuation and other symbols (e.g., hyphens, ampersands, etc.) are to be considered alpha characters.

**2.5 ERRORS** Errors in the preparation of the request forms are to be corrected in a manner which will allow for the service to be provided in the most expedient method for all concerned. Errors (e.g., billing or provisioning impacting) may require a supplemental ASR.

All errors, should be acknowledged, tracked and controlled by all parties for the purpose of eliminating all such errors in the future.

**2.6 CUSTOMER/PROVIDER ENTRIES** Certain entries may be provider assigned and given to the customer prior to the issuance of the order. These stipulations are contained in the instruction for each of the forms.

**2.7 ORDERING/BILLING CONFIGURATIONS** The customer ordering the access service may be the entity to be billed, or the billed entity may be another customer or an end user of the customer. The ordering forms allow for these variations. Provider practices/procedures will determine the ordering/billing configurations that are available.

**2.8 AGENCY LETTERS** A letter of agency stipulates a billing/provisioning agreement between two or more customers. The letter of agency may be specific between the involved parties and limited to those parties or the agency may be general, stipulating an open ended arrangement as specified within the letter of agency.

**2.9 ATTACHMENTS/REMARKS** These request forms were designed with the intent to require a minimum of input information. Remarks fields provide space for clarification required for items not specifically covered by the request forms.

**2.10 MULTIPLE FORM REQUIREMENTS** The Access Service Request (ASR) Form contains administrative data which is common to the request and is associated with one or more order forms, as illustrated in the ordering matrices (3.0).

**2.11 SERVICE SPECIFIC FORMS** Service specific forms have been designed to accommodate ordering conditions specific to a service type and must be associated with an ASR Form. These service specific forms and service types are:

- Feature Group A
- WATS Access Lines or WATS like access offerings
- Trunking, CCS Links, and Unbundled STP Ports
- Transport and DNALs
- Switched Ethernet Services
- End User Special Access
- Ring

**2.12 ADDITIONAL FORMS** Certain services may require additional order forms which will accompany the Administrative (ASR) Form and may accompany the Service Specific form. These forms are as follows:

- Additional Circuit Information
- Additional Ring Information
- End Office Detail
- Ethernet Virtual Connection
- Multi-EC
- Multipoint Service Legs
- Network Assignment Information
- Ports Configuration
- Service Address Location Information
- Translation Questionnaire
- Virtual Concatenation
- Virtual Connection

**2.13 PROVIDER INITIATED FORMS** Certain forms are prepared by the provider and are forwarded to the customer as a means of passing information to the customer:

- Open Billing Form
- Confirmation Notice
- Clarification/Notification Request Form

**2.14 COMMON LANGUAGE FORMATS** Several practices require/suggest the usage of standard conventions for designating network LOCATIONS (ATIS-0300253), CONNECTIONS (ATIS-0300097), AND NETWORK CHANNEL/ NETWORK CHANNEL INTERFACES (ATIS-0300223). While the appropriate reference document is always preferred, the formats are summarized briefly here for user convenience.

2.14.1 LOCATIONS (CLLI CODES) generally consist of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

2.14.2 CONNECTIONS – (CLCI MSG) Message Trunk ID codes consist of:

1. **Trunk Number** - A serial number type code that identifies a specific trunk in a trunk group (1-4 numeric characters).
2. **Traffic Class** - A standardized code that designates an engineering categorization, e.g., grade of service, alternate route. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha characters).
3. **Office Class** - A standardized code that designates the highest level of switching performed by the traffic units or offices terminating the trunk or trunk group. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha/numeric characters).
4. **Traffic Use Code** - A standardized code that designates the type of traffic offered to the trunk group, e.g., inter-end office, tandem access, directory assistance. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha characters).
5. **Trunk Type Modifier** - A standardized code that indicates specialized use of the trunk or trunk group. Valid entries are outlined in Telcordia Technologies practice BR 795-400100 (1-7 alpha/numeric characters).

6. **Location A** - A standardized code that uniquely identifies the location of facility terminal A. Valid entries are outlined in Telcordia Technologies practice BR 795-100-100 (11 alpha/numeric characters).
7. **Address Signaling** - A standardized code that uniquely identifies the type of signals used to direct a call to its destination. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha/numeric characters).
8. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z. Valid entries are outlined in Telcordia Technologies practice BR 795-100-100 (11 alpha/numeric characters).

2.14.3 CONNECTIONS – (CLCI SS) Special Service Circuit ID telephone number formatted codes consist of:

1. **Prefix** - A non-standard code populated according to the special services circuit coding methodology of each carrier or network operator assigning the circuit identification (1-2 alpha/numeric characters).
2. **Service Code** - A standardized code that represents a tariff offering that requires special services circuit provisioning. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
3. **Service Code Modifier** - A standardized code that designates the jurisdiction, networking application, and additional technical information of the service identified in the service code. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
4. **NPA Code** - A standardized code that identifies the NPA associated with the telephone number of a special services circuit (3 numeric characters).

5. **CO Unit Code** - A standardized code that identifies the CO number associated with the telephone number of a special services circuit (3 numeric characters).
6. **Line Number Code** - A standardized code that identifies the line number associated with the telephone number of a special services circuit (4 numeric characters).
7. **Extension Number/Trunk Code** - A non-standard code used to record extension numbers/trunk codes associated with the telephone number of a special services circuit (5 alpha/numeric characters).
8. **Segment Number** - A serial number type code that uniquely identifies each termination point of a special services circuit, when the circuit has more than two termination points, i.e. multi-point circuit (1-3 alpha/numeric characters).

2.14.4 CONNECTIONS – (CLCI SS) Special Service Circuit ID SERIAL number formatted codes consist of:

1. **Prefix** - A non-standard code populated according to the special services circuit coding methodology of each carrier or network operator assigning the circuit identification (1-2 alpha/numeric characters).
2. **Service Code** - A standardized code that represents a tariff offering that requires special services circuit provisioning. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
3. **Service Code Modifier** - A standardized code that designates the jurisdiction, networking application, and additional technical information of the service identified in the service code. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).

4. **Serial Number** - A serial number type code that uniquely identifies a special services circuit having the same prefix, service code, and service code modifier within a network operator or carrier assigning the circuit identification (1-6 numeric characters).
5. **Suffix** - A serial number type code that relates a group of special services circuits having the same service code for the same customer, and with similar termination equipment at each end (1-3 numeric characters).
6. **Assigning Company ID** - A standardized code that uniquely identifies the network operator or carrier assigning the circuit identification. Valid entries are outlined in Telcordia Technologies practice BR 751-100-112 (2-4 alpha characters).
7. **Segment Number** - A serial number type code that uniquely identifies each termination point of a special services circuit, when the circuit has more than two termination points, i.e. multi-point circuit (1-3 alpha/numeric characters).

#### 2.14.5 CONNECTIONS – (CLFI) Facility ID codes consist of:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1 - 5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).

4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are maintained by Telcordia Technologies. (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are maintained by Telcordia Technologies. (8 or 11 alpha/numeric characters).

2.14.6 NETWORK CHANNEL (NC/NCI<sup>TM</sup>) NC Code consists of the following:

1. **Channel Service Code** – Positions 1 and 2 describe the channel service code in an encoded form. The channel service code will typically be specified as the service code of the special service circuit or the transmission grade of the message trunk circuit. (2 alpha or 2 alpha/numeric characters).
2. **Optional Feature Code** – Positions 3 and 4 represent the option codes available for each channel service code. Standard combinations of this code will allow the requested channel, or to further identify the type of service. It is also used to specify options such as conditioning, effective 4-wire, multiplexing, etc. (2 alpha or 2 alpha/numeric characters).

2.14.7 NETWORK CHANNEL INTERFACES (NC/NCI™) NCI Code consists of the following:

1. **Total Conductors** – Positions 1 and 2 identify the total number of physical conductors (e.g., wires) required at the interface (2 numeric characters).
2. **Protocol** – Positions 3 and 4 identify the requirements for the interface regarding signaling and transmission (2 alpha characters).
3. **Impedance** – Position 5 identifies the nominal reference impedance that will terminate the channel for the purpose of evaluating transmission performance (1 alpha/numeric character).
4. **Delimiter #1** – Position 6 identifies the start of the protocol option field if a protocol option code is assigned.
5. **Protocol Options** – Positions 7, 8 and 9 identify additional features (e.g., bit rate, bandwidth, etc...) on the protocol to be used. (3 alpha/numeric characters).
6. **Delimiter #2** – Position 10 identifies the start of the Transmission Level Points (TLP) field if a TLP is assigned.
7. **Transmission Level** – Positions 11 and 12 identify the TLPs from either the exchange carrier/service provider or customer end.

**NOTE 1:** Position 11 identifies the TLP transmit signal level at the EC/service provider when transmitting to the customer.

**NOTE 2:** Position 12 identifies the TLP receive signal level at the EC/service provider when receiving from the customer.

**NOTE 3:** If TLP is entered in one character position only (transmit or receive), a hyphen or the letter “O” is required as field filler in the associated TLP character position.

**NOTE 4:** If TLPs are not to be coded, default levels found in Telcordia Technologies Technical Publications will apply and the TLP character positions will be left blank.

**2.15 ETHERNET SERVICE ATTRIBUTES** Several practices reference the usage of Metro Ethernet Forum (MEF) Technical Specifications. For more information visit: <http://metroethernetforum.org/carrier-ethernet/technical-specifications>.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## ORDERING FORMS MATRIX

<u>DESCRIPTION</u>	<u>SECTION</u>
TRANSPORT:	
NON-BROADBAND _____	3.1
BROADBAND _____	3.2
ETHERNET _____	3.3
SWITCHED ACCESS:	
FEATURE GROUP A_____	3.4
FEATURE GROUP B-C-D/LOCAL TRUNKING AND WIRELESS TRUNKING _____	3.5
WATS ACCESS LINES _____	3.6
RING SERVICE _____	3.7
SWITCHED ETHERNET SERVICES (UNI/ENNI ONLY) _____	3.8
ETHERNET VIRTUAL CONNECTION (STAND ALONE EVC)_____	3.9
SWITCHED ETHERNET SERVICES (UNI/ENNI AND ETHERNET VIRTUAL CONNECTION (EVC COMBINATION) _____	3.10

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### 3. ORDERING FORMS MATRIX

#### 3.1 ORDERING MATRIX – TRANSPORT (NON BROADBAND)

SERVICE CONFIGURATION					
PRIMARY LOCATION:	<u>ACTL</u>		<u>CO</u>	<u>PREM</u>	<u>PSL</u>
FORMS	2 POINT	MULTI POINT	2 POINT	MULTI POINT	2 POINT
<u>BASIC:</u>					
ASR (1)	R	R	R	R	R
TRANSPORT	R	R			R
EUSA			R	R	
<u>ADDITIONAL:</u>					
ACI (2) (5)	O		O	O	O
MSL (2) (4)		R	R	R	
MULTI-EC (3)	C	C	C	C	C
SALI	C	C	C	C	C
NAI (4) (5)	O		O	O	O
PC	O		O	O	
VCAT (6)	O		O	O	O
<u>CONFIRMATION:</u>					
CN	R	R	R	R	R

Legend: R - Required      C - Conditional      O - Optional

1. The EVCI field on the ASR Form must be blank.
2. ACI and MSL Forms are mutually exclusive for the life of the ASR.
3. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.

4. NAI and MSL Forms are mutually exclusive for the life of the ASR.
5. When only one circuit is ordered, the NAI Form may be used and the REF NUM (0001) will be assumed by virtue of the service specific form. The NAI and ACI Forms must be used together when the quantity of circuits being ordered is greater than one (1).
6. VCAT and MSL Forms are mutually exclusive for the life of the ASR.

### 3.2 ORDERING MATRIX - TRANSPORT (BROADBAND)

FORMS	BROADBAND SERVICES
<u>BASIC:</u>	
ASR	R
TRANSPORT (1)	C
EUSA (1)	C
<u>ADDITIONAL:</u>	
MULTI-EC (2)	C
SALI	C
NAI (3)	O
VC	C
<u>CONFIRMATION:</u>	
CN	R

Legend: R - Required C – Conditional O - Optional

1. TRANSPORT and EUSA are mutually exclusive for the life of the access request.
2. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.
3. The NAI Form is only applicable for the physical connection.

NOTE: EVCI is not applicable

### 3.3 ORDERING MATRIX - TRANSPORT (ETHERNET) WITH ETHERNET VIRTUAL CONNECTION (COMBINATION)

SERVICE CONFIGURATION				
PRIMARY LOCATION:	<u>ACTL</u>	<u>CO</u>	<u>PREM</u>	<u>PSL</u>
FORMS	2 POINT	2 POINT	2 POINT	2 POINT
<u>BASIC:</u>				
ASR (1)	R	R	R	R
TRANSPORT (2)	R			R
EUSA (2)		R	R	
<u>ADDITIONAL:</u>				
EVC/OVC	R	R	R	R
NAI	O	O	O	O
SALI	C	C	C	C
<u>CONFIRMATION:</u>				
CN	R	R	R	R

Legend: R - Required C – Conditional O - Optional

1. The EVCI field on the ASR Form is “B”.
2. TRANSPORT and EUSA Forms are only applicable with ordering Specialized Ethernet aggregation services (SEI field on the ASR Form is blank).

NOTE: If ordering Metro Ethernet Service (Switched Ethernet) see Section 3.10

### 3.4 ORDERING MATRIX - SWITCHED ACCESS; FEATURE GROUP A

SERVICE CONFIGURATION				
FORMS	FX OPEN	FX EXT OPEN INTRA/INTER	2 <sup>ND</sup> D.T.	ONAL
<u>BASIC:</u>				
ASR	R	R	R	R
FGA	R	R	R	R
<u>ADDITIONAL:</u>				
ACI (1) (4)	O		O	O
MSL (1) (3)		R	O	
MULTI-EC (2)	C	C	C	C
SALI		C		
NAI (3) (4)	O		O	O
<u>CONFIRMATION:</u>				
CN	R	R	R	R

Legend: R - Required      C - Conditional      O - Optional

1. ACI and MSL Forms are mutually exclusive for the life of the Access Service Request.
2. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.
3. NAI and MSL Forms are mutually exclusive for the life of the ASR.
4. When only one circuit is ordered, the NAI Form may be used and the REF NUM (0001) will be assumed by virtue of the service specific form. The NAI and ACI Forms must be used together when the quantity of circuits being ordered is greater than one (1).

NOTE: Closed end of a FGA circuit is ordered as Transport. Refer to the TRANSPORT Matrix.

### **3.5 ORDERING MATRIX - SWITCHED ACCESS; FEATURE GROUP B-C-D/LOCAL TRUNKING AND WIRELESS TRUNKING**

SERVICE CONFIGURATION								
FORMS	FEATURE GROUP: B      C      D			LOCAL	CCS LINKS	TRANS ONLY	SAC NXX	FORE- CASTING
<u>BASIC:</u>								
ASR	R	R	R	R	R	R	R	R
TRUNKING	R	R	R	R	R	O	O	O
<u>ADDITIONAL:</u>								
ACI (2)	O	O	O	O	O			
MULTI-EC (1)	C	C	C	O	C	C	C	C
TQ (3)	O		O	O	C	R	R	
EOD			O			O	O	R
NAI (2)	O	O	O	O	O			
PC (4)	C		C	C				
<u>CONFIRMATION:</u>								
CN	R	R	R	R	R	R	R	O

Legend: R - Required      C - Conditional      O - Optional

1. The MULTI-EC Form is required when more than one provider is involved in provisioning the ASR.
2. When only one circuit is ordered, the NAI Form may be used and the REF NUM (0001) will be assumed by virtue of the service specific form. The NAI and ACI Forms must be used together when the quantity of circuits being ordered is greater than one (1) and/or QACI is populated.
3. Use of the TQ in conjunction with CCS Links is limited to STP translation changes.
4. Use of the PC Form is conditional on a request for the combination of transport and trunking when the customer requests specific equipment configurations, e.g., SONET/DWDM.

### 3.6 ORDERING MATRIX - WATS ACCESS LINES

SERVICE CONFIGURATION		
FORMS	WAL	WAL EXT (3)
<u>BASIC:</u>		
ASR	R	R
WAL	R	R
<u>ADDITIONAL:</u>		
ACI (1)	O	
MSL (1)		R
MULTI-EC (2)	C	C
SALI (3)	C	C
<u>CONFIRMATION:</u>		
CN	R	R
OB	O	O

Legend: R - Required C - Conditional O - Optional

1. ACI and MSL Forms are mutually exclusive for the life of the Access Request.
2. The MULTI-EC Form is required when more than one provider is involved in provisioning the Access Service.
3. When the WAL extension terminates in another LATA, a second Transport request (ASR and TRANSPORT Forms) is required for the portion within the other LATA. A SALI Form is also required if the extension termination is identified by a street address.

### 3.7 ORDERING MATRIX - RING SERVICE

FORMS	RING SERVICE
<u>BASIC:</u>	
ASR	R
RING	R
<u>ADDITIONAL:</u>	
ARI	R
SALI	C
MULTI-EC (1)	C
NAI	O
PC (2)	C
VCAT	O
<u>CONFIRMATION:</u>	
CN	R

Legend:            R - Required        C – Conditional        O - Optional

1. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.
2. The PC Form is required when the customer requests specific equipment configurations, e.g., SONET/DWDM, in lieu of using the PORTS field.

### 3.8 ORDERING MATRIX - SWITCHED ETHERNET SERVICES (UNI/ENNI ONLY)

SERVICE CONFIGURATION				
PRIMARY LOCATION:	<u>ACTL</u>	<u>CO</u>	<u>PREM</u>	<u>PSL</u>
FORMS	2 POINT	2 POINT	2 POINT	2 POINT
<u>BASIC:</u>				
ASR (1)	R	R	R	R
SES (2)	R	R	R	R
<u>ADDITIONAL:</u>				
ACI	C	C	C	C
MULTI-EC (3)	C	C	C	C
SALI	-	C	C	-
NAI	O	O	O	O
<u>CONFIRMATION:</u>				
CN	R	R	R	R

Legend: R - Required      C - Conditional      O – Optional

1. The EVCI field on the ASR Form is blank.
2. The SEI field on the ASR Form is populated (ordering Switched Ethernet Services).
3. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.

### **3.9 ORDERING MATRIX - ETHERNET VIRTUAL CONNECTION (STAND ALONE EVC)**

FORMS	ETHERNET VIRTUAL CONNECTION SERVICE
<u>BASIC:</u>	
ASR (1)	R
<u>ADDITIONAL:</u>	
EVC/OVC	R
<u>MULTI-EC (2)</u>	C
<u>CONFIRMATION:</u>	
CN	R

Legend: R - Required C – Conditional O - Optional

1. The EVCI field on the ASR form is “A”.
2. The MULTI-EC Form is required when more than one provider is involved in provisioning the access service.

### **3.10 ORDERING MATRIX - SWITCHED ETHERNET SERVICES (UNI/ENNI AND ETHERNET VIRTUAL CONNECTION (EVC) COMBINATION)**

SERVICE CONFIGURATION				
PRIMARY LOCATION:	<u>ACTL</u>	<u>CO</u>	<u>PREM</u>	<u>PSL</u>
FORMS	2 POINT	2 POINT	2 POINT	2 POINT
<u>BASIC:</u>				
ASR (1)	R	R	R	R
SES (2)	R	R	R	R
<u>ADDITIONAL:</u>				
EVC/OVC (3)	R	R	R	R
NAI	O	O	O	O
SALI	-	C	C	-
<u>CONFIRMATION:</u>				
CN	R	R	R	R

Legend:

R - Required

C - Conditional

O - Optional

1. The EVCI field on the ASR Form is "B".
2. The SEI field on the ASR form is "Y" (ordering Metro Ethernet services).
3. EVC Form required when ordering the UNI (User Network Interface) or ENNI (Network to Network Interface) and the Ethernet Virtual Connection or Operator Virtual Connection on the same ASR.

## FORM DESCRIPTIONS

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	4.1
ACCESS SERVICE REQUEST (ASR)	4.2
FEATURE GROUP A (FGA) SERVICE REQUEST	4.3
WATS ACCESS LINE (WAL) SERVICE REQUEST	4.4
TRUNKING SERVICE REQUEST	4.5
TRANSPORT SERVICE REQUEST	4.6
MULTIPOINT SERVICE LEGS (MSL) REQUEST	4.7
ADDITIONAL CIRCUIT INFORMATION (ACI) REQUEST	4.8
SWITCHED ETHERNET SERVICES (SES)	4.9
OPEN BILLING (OB)	4.10
CONFIRMATION NOTICE (CN)	4.11
END USER SPECIAL ACCESS (EUSA) REQUEST	4.12
END OFFICE DETAIL (EOD)	4.13
MULTI-EC	4.14
TRANSLATION QUESTIONNAIRE (TQ)	4.15
RING	4.16
ADDITIONAL RING INFORMATION	4.17
VIRTUAL CONNECTION	4.18
CLARIFICATION/NOTIFICATION REQUEST FORM (C/NR)	4.19
NETWORK ASSIGNMENT INFORMATION (NAI)	4.20

SERVICE ADDRESS LOCATION INFORMATION (SALI)	4.21
POR TS CONFIGURATION (PC)	4.22
ETHERNET VIRTUAL CONNECTION (EVC)	4.23
VIRTUAL CONCATENATION (VCAT)	4.24

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. FORM DESCRIPTIONS

4.1 **GENERAL** Service is ordered using uniform order request forms. The Access Service Request (ASR) Form contains administrative data which is common to all orders and is associated with one or more order forms which specifically define the requested configurations. The following briefly describes the various ordering forms.

4.2 **ACCESS SERVICE REQUEST (ASR)** This form is used by the customers to request various services as specified in the contracts and tariffs. The form entries and their usage rules are described in ATIS-0404001, Access Service Request Form Preparation Guide.

4.3 **FEATURE GROUP A (FGA) SERVICE REQUEST** This form is used by the customers to order:

- FGA
- Line-side BSA

The form entries and their usage rules are described in ATIS-0404002, Feature Group A (FGA) Form Preparation Guide.

4.4 **WATS ACCESS LINE (WAL) SERVICE REQUEST** This form is used by the customer to order WATS access lines. The form entries and their usage are described in ATIS-0404003, WATS Access Line (WAL) Form Preparation Guide.

4.5 **TRUNKING SERVICE REQUEST** This form is used by the customer to order:

- Trunk-side BSA
- Trunking  
FGB, C, D  
Local Interconnection  
Wireless Trunking
- CCS Links and Unbundled STP Ports

The form entries and their usage rules are described in ATIS-0404004, Trunking Form Preparation Guide.

**4.6 TRANSPORT SERVICE REQUEST** This form is used by the customer to order:

- Narrow-band
- Voice Grade
- Unbundled Transport
- Unbundled Multiplexing
- Program Audio
- Television
- Wideband Analog
- Wideband Digital
- Digital Access
- High Capacity
- DNAL
- 
- Specialized Ethernet Aggregation

The form entries and their usage rules are described in ATIS-0404005, Transport Form Preparation Guide.

**4.7 MULTIPONT SERVICE LEGS (MSL) REQUEST** This form is used by the customer to relate circuit legs to specific bridge points; and bridge points to bridge points. The form entries and their usage rules are described in ATIS-0404006, Multipoint Service Legs (MSL) Form Preparation Guide.

**4.8 ADDITIONAL CIRCUIT INFORMATION (ACI) REQUEST** This form is used by both the customer and the provider for stipulating circuit specific information which cannot readily be provided on a service specific request form. The form entries and their usage rules are described in ATIS-0404007, Additional Circuit Information (ACI) Form Preparation Guide.

**4.9 SWITCHED ETHERNET SERVICES (SES) REQUEST** This form is used by the customer to order User Network Interfaces (UNI) or External Network to Network Interfaces (ENNI) for Metro Ethernet services. The form entries and their usage rules are described in ATIS-0404008, Switched Ethernet Services Form Preparation Guide.

4.10 **OPEN BILLING (OB)** This form is prepared by the provider and is used by the customer for ordering open billing services in conjunction with access service. The form entries and their usage rules are described in ATIS-0404009, Open Billing (OB) Form Preparation Guide.

4.11 **CONFIRMATION NOTICE (CN)** This form is prepared by the provider and is forwarded to the customer to confirm the services. The form entries and their usage rules are described in ATIS-0404011, Confirmation Notice (CN) Form Preparation Guide.

4.12 **END USER SPECIAL ACCESS (EUSA) REQUEST** This Form is used by the customer for ordering special access:

- Premises to Premises
- Premises to Central Office
- Central Office to Central Office

The form entries and their usage rules are described in ATIS-0404013, End User Special Access (EUSA) Form Preparation Guide.

4.13 **END OFFICE DETAIL (EOD)** This form is used by the customer to:

- Forecast traffic routed from end offices subtending a tandem
- Identify end offices for SAC Code activity
- Identify subtending end offices for originating traffic
- Estimate Traffic Distribution Requirements

The form entries and their usage rules are described in ATIS-0404014, End Office Detail (EOD) Form Preparation Guide.

4.14 **MULTI-EC** This form is used by the customer to order access services that are to be provisioned by more than one provider. The form entries and their usage rules are described in ATIS-0404018, MULTI-EC Form Preparation Guide.

**4.15 TRANSLATION QUESTIONNAIRE (TQ)** This form is used by the customer to order:

- Translation
- Routing
- SAC NXX Activity

For associated FGB, FGD and local trunks, the form entries and their usage rules are described in ATIS-0404019, Translation Questionnaire (TQ) Form Preparation Guide.

**4.16 RING** This form is used by the customer to order ring service. The form entries and their usage rules are described in ATIS-0404021, Ring Form Preparation Guide.

**4.17 ADDITIONAL RING INFORMATION** This form is used by the customer to order additional ring segments. The form entries and their usage rules are described in ATIS-0404022, Additional Ring Information Form Preparation Guide.

**4.18 VIRTUAL CONNECTION** This form is used by the customer to order virtual connection service. The form entries and their usage rules are described in ATIS-0404023, Virtual Connection Form Preparation Guide.

**4.19 CLARIFICATION/NOTIFICATION REQUEST FORM (C/NR)** This form is prepared by the provider and is forwarded to the customer to request clarification for the services ordered. This form also supports a process for the notification of service request errors, jeopardies, completion and cancellation. The form entries and their usage rules are described in ATIS-0404010, Clarification/Notification Request Form Preparation Guide.

**4.20 NETWORK ASSIGNMENT INFORMATION (NAI)** This form is used by the customer to provide information such as:

- Intermediate Connecting Facility Assignment(s)
- Alternate facility/alternate ACTL
- Drop Port Equipment Assignment(s) Information

The form entries and their usage rules are described in ATIS-0404024, Network Assignment Information Form Preparation Guide.

**4.21 SERVICE ADDRESS LOCATION INFORMATION (SALI)** This form is used by the customer to provide service address information. The form entries and their usage rules are described in ATIS-0404015, Service Address Location Information Form Preparation Guide.

**4.22 PORTS CONFIGURATION (PC)** This form is used by the customer when requesting specific equipment configurations, e.g., SONET/DWDM. The form entries and their usage rules are described in ATIS-0404012, Ports Configuration Form Preparation Guide.

**4.23 ETHERNET VIRTUAL CONNECTION (EVC)** This form is used by the customer to order the overall Ethernet Virtual Connection/Operator Virtual Connections (OVC) service and provide the mapping details for the User Network Interface (UNI) and External Network to Network Interface (ENNI) terminations. The form entries and their usage rules are described in ATIS-0404016, Ethernet Virtual Connection Form Preparation Guide.

**4.24 VIRTUAL CONCATENATION (VCAT)** This form is used by the customer to designate the channels/timeslots to be utilized on the special access facilities when a virtually concatenated configuration is requested. The form entries and their usage rules are described in ATIS-0404017, Virtual Concatenation Form Preparation Guide.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## FOUR STEP ORDERING PROCESS

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	5.1
STEP 1 - SERVICE REQUEST (SR)	5.2
STEP 2 - SERVICE REQUEST CONFIRMATION (SRC)	5.3
STEP 3 - FIRM ORDER (FO)	5.4
STEP 4 - FIRM ORDER CONFIRMATION (FOC)	5.5
SERVICE REQUEST STEPS	5.6
FIRM ORDER STEPS	5.7
REQTYP ENTRIES	5.8

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. FOUR STEP ORDERING PROCESS

5.1 **GENERAL** Access and Trunking Services are ordered using a Four Step ordering process which is described below. This Four Step process can be achieved in a manual or mechanized mode. Additional interaction may occur and may be verbal and/or via a Clarification Request Form. The Clarification Request Form is typically used in lieu of verbal correspondence and is not a major part of the Four Step ordering process.

The Four Steps are:

- 1) Service Request (SR)
- 2) Service Request Confirmation (SRC)
- 3) Firm Order (FO)
- 4) Firm Order Confirmation (FOC)

Not all four steps are required for the ordering of Access or Trunking Service. Once the request has reached Firm Order status, it cannot revert to Service Request status.

5.2 **STEP 1 - SERVICE REQUEST (SR):** This step applies when the customer wishes to query the provider as to its ability to provide a particular type of service or quantity of like service at some future date but does not want to place a firm order at this time. It also applies for the exchange of data prior to the placement of a firm order. The Service Request can be used for all service orderable prior to the placement of a firm order.

5.3 **STEP 2 - SERVICE REQUEST CONFIRMATION (SRC):** This step is initiated by the provider in response to a Service Request from Step 1. The response will let the customer know if the provider is able to provide the service, the appropriate interval to provide the requested service and any data required for the submission of a firm order. A response to a SR for capacity will include the number of circuits required and a routing proposal.

### 5.3 **STEP 2 - SERVICE REQUEST CONFIRMATION (SRC) (continued):**

**NOTE 1:** Planning information may consist of:

- Provisioning interval in work days
- Number of circuits (converted from BHMCs)
- Routing
- Engineering charge estimate when applicable
- Charges - special construction or deposit requirement
- Serving central office identification
- Search 800 Data Base Number(s)

**NOTE 2:** The SRC usually does not reserve facilities or 800 Data Base Numbers nor does it guarantee a due date for service.

**NOTE 3:** The provisioning interval (in work days) is based on a current view and contingent upon facility availability and work force schedules when the actual order is placed. However, the provisioning interval should be a good indicator for predicting an actual due date when placing the firm order.

### 5.4 **STEP 3 - FIRM ORDER (FO):** This step has two possible actions:

**Step 3A** - This step in the process is used when the SR or SRC information process has taken place and the customer now wishes to place a firm order for the service using the same PON.

**Step 3B** - This step is to be used when the customer has not previously placed an SR but instead wants to initially place a Firm Order.

**5.5 STEP 4 - FIRM ORDER CONFIRMATION (FOC):** This step is initiated by the provider in response to a Firm Order (FO).

The following responses are mutually exclusive:

FOC

FOC/DLR

**5.6 SERVICE REQUEST STEPS:** These are the steps to be followed when the process begins with a Service Request:

Step:	Description
1	Service Request (SR)
2	Service Request Confirmation (SRC)
3A	Firm Order (FO)
4	Firm Order Confirmation (FOC)

It is the option of the customer to submit a Firm Order (Step 3A) prior to Step 2.

Individual provider practices determine the length of time during which a confirmed Service Request may be upgraded to a Firm Order.

5.7 **FIRM ORDER STEPS:** These are the steps to be followed when the process begins with a Firm Order:

Step:	Description
1	Not Required
2	Not Required
3B	Firm Order
4	Firm Order Confirmation

5.8 **REQTYP ENTRIES:** The current step within the Four Step process is reflected in the second character of the REQTYP field on the ASR Form (a description of this field can be found in ATIS-0404001).

The second position of the REQTYP field may contain the following additional values within the providers systems which do not appear on the confirmation notice:

2nd character of REQTYP is:	Description of Activity:
B	Service Request Confirmation
E	Firm Order Confirmation

## SERVICES

<u>DESCRIPTION</u>	<u>SECTION</u>
ACCESS SERVICES	6.1
GENERAL	6.1.1
SWITCHED ACCESS	6.1.2
NON-SWITCHED ACCESS	6.1.3
LOCAL SERVICES AND INTERCONNECTION TRUNKS	6.2
GENERAL	6.2.1
WIRELESS SERVICES	6.3
GENERAL	6.3.1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 6. SERVICES

### 6.1 ACCESS SERVICES

6.1.1 **GENERAL** Access Service is ordered out of the various Access Service Tariffs filed with Interstate and Intrastate commissions. Additionally, non-access tariff offerings are also available in conjunction with access ordering using specific access order form entries. However, not all offerings are universally available or filed within all the states of a particular Region.

When a customer requests a provider to provide access service to be used in conjunction with its authorized telecommunications services, it should prepare and forward to the provider the appropriate access service request order form(s). The applicable field entries should be populated in the prescribed manner as covered in the appropriate Preparation Guide.

Access Services are broadly categorized as:

- Switched Access
- Non-Switched Access

6.1.2 **SWITCHED ACCESS** Switched access is comprised of a line-side or trunk-side switching termination connected by a facility configuration to a location of a customer. Switched access is ordered and billed on a bundled or unbundled basis depending on the providers tariffs:

- Feature Groups (FGs) - Bundled Services
- Basic Serving Arrangements (BSAs) - Unbundled Services

Feature Groups and Basic Serving Arrangements will be ordered using the FGA Form for line-side connections and the Trunking Form for trunk-side connections. Throughout the ASR ATIS-0404000-0050 series of practices, the term FGA will denote both Feature Group A and line-side Basic Serving Arrangement; the term FGB-C-D will denote Feature Groups B, C and D and their equivalent trunk-side basic serving arrangement.

There are unique requirements governing the Local Transport (LT) of Switched Access. Section 7 provides an in-depth review of these requirements, as well as an overview to the subject of Local Transport. These unique Local Transport requirements are based on FCC Order DA 93-1579 and are not meant to cover all providers or all Intrastate Local Transport services.

**6.1.3 NON-SWITCHED ACCESS** Non-Switched Access is comprised of a facility configuration provided between two or more locations. These locations may be the customer terminal or that of another customer terminal, an end user premises or a provider location. CENTREX locations are defined as provider end office terminations, for the purpose of access ordering and provisioning.

## 6.2 LOCAL SERVICES AND INTERCONNECTION TRUNKS

6.2.1 **GENERAL** Local service and Interconnection Trunks are ordered out of tariff/contracts/ negotiations.

When a customer requests local service to be used in conjunction with its authorized telecommunications services, it should prepare and forward to the provider via appropriate service request order forms with the applicable entries populated in the prescribed manner as covered in the appropriate Preparation Guide.

Local Services are broadly categorized as:

- Local Trunking/Interconnection Trunks: These two terms can be used synonymously
- Unbundled Network Elements

Local Trunking/Interconnection Trunks are composed of a trunk-side switching termination connecting a facility configuration to the location of a customer.

Local Trunking/Interconnection Trunks are to be ordered using a Trunking Form.

UNEs will be ordered using a Transport or Trunking Form depending on the element being ordered.

## 6.3 WIRELESS SERVICES

6.3.1 **GENERAL** Wireless exchange services are ordered out of tariffs/contracts.

When a customer request wireless exchange service to be used in conjunction with its authorized telecommunications services, it should prepare and forward to the provider via appropriate service request forms with applicable entries populated in the prescribed manner as covered in the appropriate Preparation Guide.

Wireless exchange services are broadly categorized as trunk-side services and will be ordered using a Trunking Form.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## LOCAL TRANSPORT RESTRUCTURE (LTR)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	7.1
LTR ORDERING ASSUMPTIONS	7.2
LTP FIELD ASSUMPTIONS	7.3
LTR ORDERING CONFIGURATIONS	7.4
EXAMPLES OF VALID COMBINATIONS OF LTP	7.5
ENTRANCE FACILITY ONLY, NO SPECIAL ACCESS	7.6
ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB, NO SPECIAL ACCESS	7.7
ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO END OFFICE, NO SPECIAL ACCESS	7.8
ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO END OFFICE AND FGA LINES, NO SPECIAL ACCESS	7.9
ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO END OFFICE AND TRUNKS, NO SPECIAL ACCESS	7.10
ENTRANCE FACILITY, AND DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, NO SPECIAL ACCESS	7.11
ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, NO SPECIAL ACCESS	7.12
ENTRANCE FACILITY AND TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM, NO SPECIAL ACCESS	7.13
ENTRANCE FACILITY, TANDEM-SWITCHED TRANSPORT TO ACCESS TANDEM AND TRUNKS, NO SPECIAL ACCESS	7.14
DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB, #1 EXISTS, NO SPECIAL ACCESS	7.15

LOCAL TRANSPORT RESTRUCTURE (LTR) (CONTINUED)

<u>DESCRIPTION</u>	<u>SECTION</u>
DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.16
DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB #1 USE SPECIAL ACCESS _____	7.17
DIRECT-TRUNKED TRANSPORT TO END OFFICE, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB EXISTS, NO SPECIAL ACCESS _____	7.18
DIRECT-TRUNKED TRANSPORT TO END OFFICE, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.19
DIRECT-TRUNKED TRANSPORT TO END OFFICE, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB USE SPECIAL ACCESS _____	7.20
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.21
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.22
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT _____	7.23
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.24A
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB EXISTS, NO SPECIAL ACCESS _____	7.24B
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.25

LOCAL TRANSPORT RESTRUCTURE (LTR) (CONTINUED)

<u>DESCRIPTION</u>	<u>SECTION</u>
DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS _____	7.26
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.27
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.28
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS _____	7.29
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.30
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.31
DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS _____	7.32
TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.33
TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS _____	7.34
TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS _____	7.35

LOCAL TRANSPORT RESTRUCTURE (LTR) (CONTINUED)

<u>DESCRIPTION</u>	<u>SECTION</u>
TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND TANDEM-SWITCHED TRANSPORT TO THE HUB USE SPECIAL ACCESS	7.36
FGA LINES ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE END OFFICE EXISTS, NO SPECIAL ACCESS	7.37
FGA LINES ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS	7.38
TRUNKS ONLY, ENTRANCE FACILITY AND TRANSPORT TO THE ACCESS TANDEM EXIST. (MAY BE EITHER DIRECT-TRUNKED OR TANDEM-SWITCHED TRANSPORT) NO SPECIAL ACCESS	7.39A
TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE END OFFICE EXIST, NO SPECIAL ACCESS	7.39B
TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS	7.40A
TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS	7.40B
DIRECT-LINK TRANSPORT TO THE STP AND LINKS, ENTRANCE FACILITY USES SPECIAL ACCESS	7.41A
DIRECT-LINK TRANSPORT TO THE STP AND LINKS, ENTRANCE FACILITY USES SPECIAL ACCESS	7.41B
LINKS, EXISTING DIRECT-LINK TRANSPORT TO THE STP AND ENTRANCE FACILITY USES SPECIAL ACCESS	7.42

LOCAL TRANSPORT RESTRUCTURE (LTR) (CONTINUED)

<u>DESCRIPTION</u>	<u>SECTION</u>
ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS _____	7.43A
ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS _____	7.43B
DIRECT-LINK TRANSPORT TO THE STP AND LINKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.44A
DIRECT-LINK TRANSPORT TO THE STP AND LINKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS _____	7.44B
LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS _____	7.45A
LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS _____	7.45B

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **7. LOCAL TRANSPORT RESTRUCTURE (LTR)**

**7.1 GENERAL** Unique LTR requirements addressed in this section are based on FCC Order DA 93-1579 and are not meant to cover all providers or all Intrastate LTR services.

LTR denotes the transport requirements for lines/trunks from the customer POP location to the end office/access tandem.

### **7.2 LTR ORDERING ASSUMPTIONS**

1. Ordering and provisioning of LTR consists of 3 elements:
  - a. Entrance facilities
  - b. Transport (either direct-trunked or tandem-switched)
  - c. Lines/trunks
2. Every line/trunk must have an entrance facility and transport all the way to the end office/access tandem. The transport may be either direct-trunked or tandem-switched for lines/trunks. Only direct link transport is available for links.
3. The serving wire center, HUB, end office(s), access tandem(s), and STP's may be in the same or different provider's buildings. LTP entry rules will be the same in either situation.
4. Where offered, DS-3 tandem-switched transport may only be ordered together with a DS-3 entrance facility, through the serving wire center, between the POP and a multiplexer in the same telephone company building as the access tandem. When this arrangement has been provisioned, subsequent orders for Feature Group B, C or D trunks must also request DS-1 tandem-switched transport between the multiplexer and the access tandem.
5. The first position of the LTP field defines what the customer is requesting the provider to provision. The second position, other than "F", denotes the need for adjustments to the special access facility identified in the CFA field.

6. When a mixture of LTR elements are desired (e.g., new trunks to an existing CFA and trunks to a new CFA) two ASRs will be required.
7. Entrance Facility
  - A. When ordered separately as DS-1 or DS-3 level, multiplexing at the SWC must be ordered at the same time.
  - B. When ordered at the VG level, the line/trunk/link and transport must be ordered at the same time.
8. Direct-Trunked Transport
  - A. When ordered at the DS-3 level, multiplexing must be ordered at the same time.
  - B. When ordered at the DS-1 level, multiplexing or switched termination must be specified.
  - C. When ordered at the VG level, trunk/lines must be ordered at the same time.
9. Tandem-Switched Transport
  - A. When ordered at the DS-3 level, multiplexing must be ordered at the same time. The multiplexing must be in the same building as the access tandem.
  - B. When ordered at the DS-1 level, multiplexing or switched termination must be specified.
  - C. When ordered at the VG level, trunks must be ordered at the same time.
10. Direct-Link Transport
  - A. When ordered at the DS-1 level, multiplexing or switched termination must be specified.
  - B. When ordered at a VG level, links must be ordered at the same time.

### 7.3 LTP FIELD ASSUMPTIONS

ACT = "N"

- 1<sup>st</sup> POSITION = Elements ordered, not existing.  
2<sup>nd</sup> POSITION = Identifies whether the facility indicated in the CFA field is a special access facility. Where no CFA is shown, the second position is "F".

ACT = "C"

- 1<sup>st</sup> POSITION = Elements changed  
2<sup>nd</sup> POSITION = Identifies whether the facility indicated in the CFA field is a special access facility. Where no CFA is shown, the second position is "F".

ACT = "D"

- 1<sup>st</sup> POSITION = Elements disconnected  
2<sup>nd</sup> POSITION = Identifies whether the facility indicated in the CFA field is a special access facility. Where no CFA is shown, the second position is "F".

7.4 **LTR ORDERING CONFIGURATIONS** The LTP field addresses the ordering requirements for LTR. The following matrices and configurations are examples only. There may be other descriptions of valid entries.

7.5 EXAMPLES OF VALID COMBINATIONS OF LTP														
	ELEMENTS BEING ORDERED								USES EXISTING SPECIAL ACCESS				FIELD ENTRY	
	EF	DTT TO HUB	DTT/ DLT TO EO/ STP	DTT TO AT	TST	FGA	FG B,C,D	LNK	NO SPL ACC	EF	DTT TO HUB	TST TO HUB	LTP	REQ TYP
7.6	X								X				AF	S
7.7	X	X							X				GF	S
7.8	X		X						X				GF	S
7.9	X		X			X			X				DF	A
7.10	X		X				X		X				DF	M
7.11	X			X					X				KF	S
7.12	X			X			X		X				MF	M
7.13	X				X				X				IF	S
7.14	X				X		X		X				BF	M
7.15		X							X				HF	S
7.16		X								X			HA	S
7.17		X								X	X		HC	S
7.18			X						X				HF	S
7.19			X							X			HA	S
7.20			X							X	X		HC	S
7.21			X		X				X				EF	A
7.22			X		X					X			EA	A
7.23			X		X					X	X		EC	A
7.24A			X			X			X				EF	M
7.24B			X			X			X				EF	M
7.25			X			X				X			EA	M
7.26			X			X				X	X		EC	M
7.27				X					X				JF	S
7.28				X						X			JA	S
7.29				X						X	X		JC	S
7.30				X		X			X				LF	M
7.31				X		X				X			LA	M
7.32				X		X				X	X		LC	M
7.33					X	X			X				CF	M
7.34					X	X				X			CA	M
7.35					X	X				X	X		CC	M
7.36					X	X				X		X	CE	M
7.37						X			X				FF	A
7.38						X				X	X		FC	A

7.5 EXAMPLES OF VALID COMBINATIONS OF LTP (CONTINUED)														
ELEMENTS BEING ORDERED								USES EXISTING SPECIAL ACCESS				FIELD ENTRY		
	EF	DTT TO HUB	DTT/ DLT TO EO/ STP	DTT TO AT	TST	FGA	FG B,C,D	LNK	NO SPL ACC	EF	DTT TO HUB	TST TO HUB	LTP	REQ TYP
7.39A						X			X				FF	M
7.39B						X			X				FF	M
7.40A						X				X	X		FC	M
7.40B						X				X	X		FC	M
7.41A			X				X			X			QA	L
7.41B			X				X			X			QA	L
7.42							X			X			RA	L
7.43A	X		X				X	X					PF	L
7.43B	X		X				X	X					PF	L
7.44A			X				X	X					QF	L
7.44B			X				X	X					QF	L
7.45A							X	X					RF	L
7.45B							X	X					RF	L
LTP NOT APPLICABLE													N	A, M or L

#### LEGEND

AT	=	Access Tandem
DLT	=	Direct Link Transport
DTT	=	Direct-Trunked Transport
EF	=	Switched Access Entrance Facility
EO	=	End Office (Dial Tone Office for FGA)
HUB	=	Multiplexing Location
LNK	=	Link
SPL ACC	=	Special Access Hi-Cap Facility
STP	=	Signal Transport Point
TST	=	Tandem-Switched Transport

7.5.1 EXAMPLES OF VALID COMBINATIONS OF LTP														
FIELD ENTRY			ELEMENTS BEING ORDERED								USES EXISTING SPECIAL ACCESS			
LTP	REQ TYP		EF	DTT TO HUB	DTT/ DLT TO EO/ STP	DTT TO AT	TST	FGA	FG B,C,D	LNK		EF	DTT TO HUB	TST TO HUB
AF	S	7.6	X									X		
BF	M	7.14	X				X		X			X		
CA	M	7.34					X		X				X	
CC	M	7.35					X		X				X	X
CE	M	7.36					X		X			X		X
CF	M	7.33					X		X			X		
DF	A	7.9	X		X			X				X		
DF	M	7.10	X		X				X			X		
EA	A	7.22			X			X					X	
EA	M	7.25			X				X				X	
EC	A	7.23			X			X					X	X
EC	M	7.26			X				X				X	X
EF	A	7.21			X			X				X		
EF	M	7.24A			X				X				X	
EF	M	7.24B			X				X				X	
FC	A	7.38						X					X	X
FC	M	7.40A							X				X	X
FC	M	7.40B							X				X	X
FF	A	7.37						X				X		
FF	M	7.39A							X				X	
FF	M	7.39B							X				X	
GF	S	7.7	X	X								X		
GF	S	7.8	X		X							X		
HA	S	7.16		X									X	
HA	S	7.19			X								X	
HC	S	7.17		X									X	X
HC	S	7.20			X								X	X
HF	S	7.15		X								X		

<b>7.5.1 EXAMPLES OF VALID COMBINATIONS OF LTP (CONTINUED)</b>														
FIELD ENTRY			ELEMENTS BEING ORDERED								USES EXISTING SPECIAL ACCESS			
LTP	REQ TYP		EF	DTT TO HUB	DTT/ DLT EO/ STP	DTT TO AT	TST	FGA	FG B,C,D	LNK	NO SPL ACC	EF	DTT TO HUB	TST TO HUB
HF	S	7.18			X						X			
IF	S	7.13	X				X				X			
JA	S	7.28				X						X		
JC	S	7.29				X						X	X	
JF	S	7.27				X					X			
KF	S	7.11	X			X					X			
LA	M	7.31				X			X			X		
LC	M	7.32				X			X			X	X	
LF	M	7.30				X			X		X			
MF	M	7.12	X			X			X		X			
PF	L	7.43A	X		X						X	X		
PF	L	7.43B	X		X						X	X		
QA	L	7.41A			X						X		X	
QA	L	7.41B			X						X		X	
QF	L	7.44A			X						X	X		
QF	L	7.44B			X						X	X		

7.5.1 EXAMPLES OF VALID COMBINATIONS OF LTP (CONTINUED)														
FIELD ENTRY			ELEMENTS BEING ORDERED								USES EXISTING SPECIAL ACCESS			
LTP	REQ TYP		EF	DTT TO HUB	DTT/ DLT	DTT TO AT	TST	FGA	FG B,C,D	LNK	NO SPL ACC	EF	DTT TO HUB	TST TO HUB
	L	7.42								X		X		
	L	7.45A								X	X			
	L	7.45B								X	X			
N	A, M or L	LTP NOT APPLICABLE												

*LEGEND*

AT	=	Access Tandem
DLT	=	Direct Link Transport
DTT	=	Direct-Trunked Transport
EF	=	Switched Access Entrance Facility
EO	=	End Office (Dial Tone Office for FGA)
HUB	=	Multiplexing Location
LNK	=	Link
SPL ACC	=	Special Access Hi-Cap Facility
STP	=	Signal Transport Point
TST	=	Tandem-Switched Transport

## 7.6 AF ENTRANCE FACILITY ONLY, NO SPECIAL ACCESS

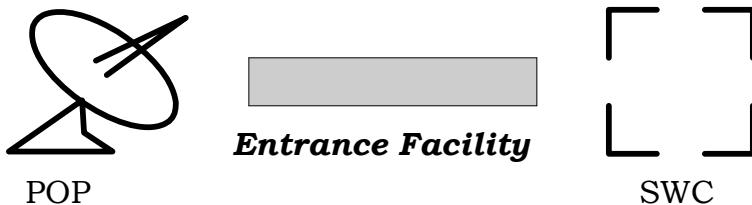
### LATA ORDERING REQUIREMENTS

May be ordered at DS-3 or DS-1 level

### PROVISIONING

Facility from POP to SWC and a MUX

ASR FORM  
TRANSPORT FORM



## 7.7 GF ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB, NO SPECIAL ACCESS

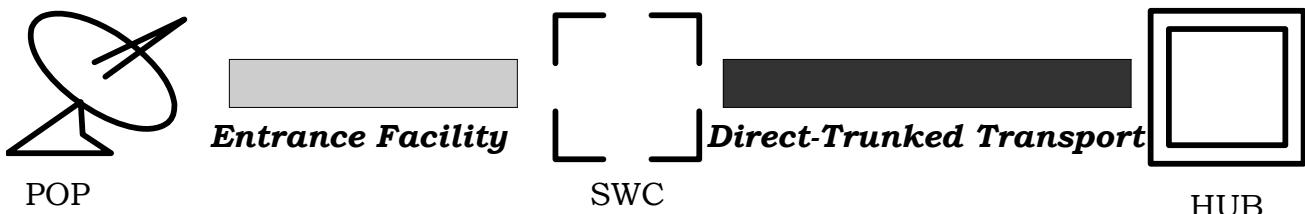
### LATA ORDERING REQUIREMENTS

May be ordered at DS-3 or DS-1 level

### PROVISIONING

Facility from POP thru SWC to HUB and a MUX

ASR FORM  
TRANSPORT FORM



**7.8 GF ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO END OFFICE, NO SPECIAL ACCESS**

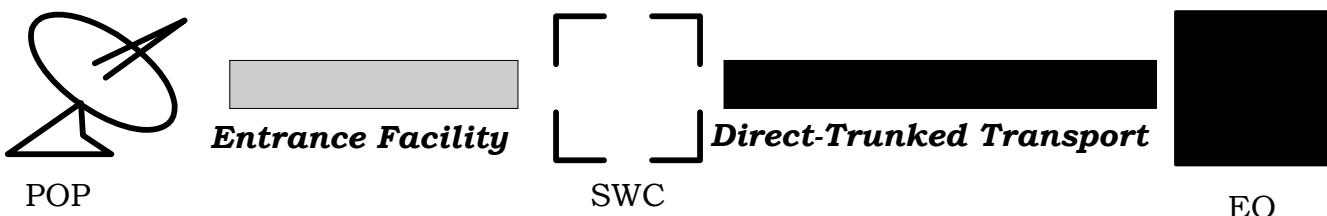
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

Facility from POP thru SWC to EO



**7.9 DF ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO END OFFICE AND FGA LINES, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

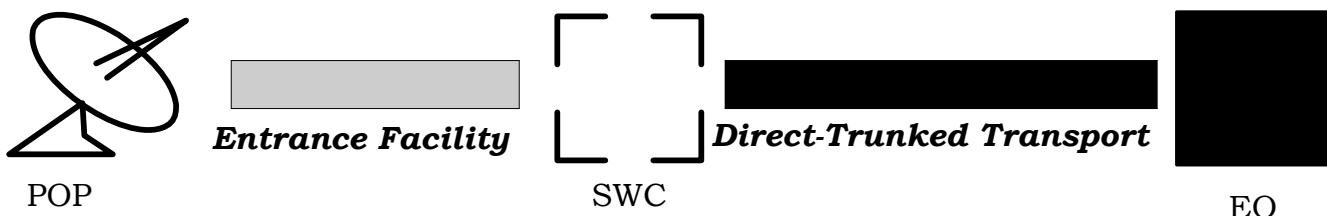
May be ordered at DS-1 or VG-1 level

ASR FORM  
FGA FORM

**PROVISIONING**

DS-1: Facility from POP thru SWC to EO and FGA Lines

VG: VG Level FGA Lines



**7.10 DF ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO END OFFICE AND TRUNKS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

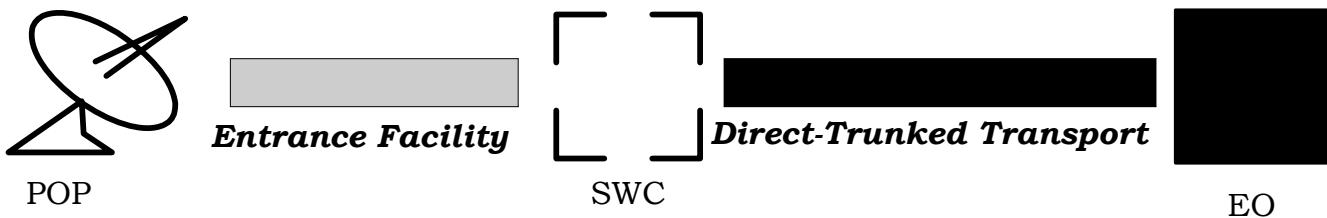
May be ordered at DS-1 or VG-1 level

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: Facility from POP thru SWC to EO and Trunks

VG: VG Level Trunks



**7.11 KF ENTRANCE FACILITY, AND DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, NO SPECIAL ACCESS**

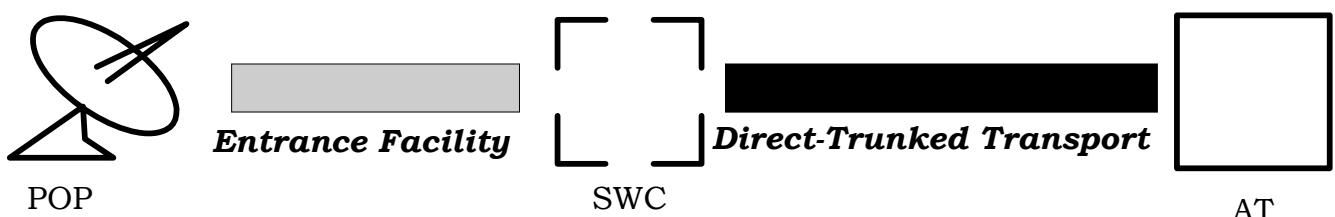
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-3 or DS-1 Level

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

DS-1 or DS3 Facility from POP thru SWC AT



**7.12 MF ENTRANCE FACILITY, DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

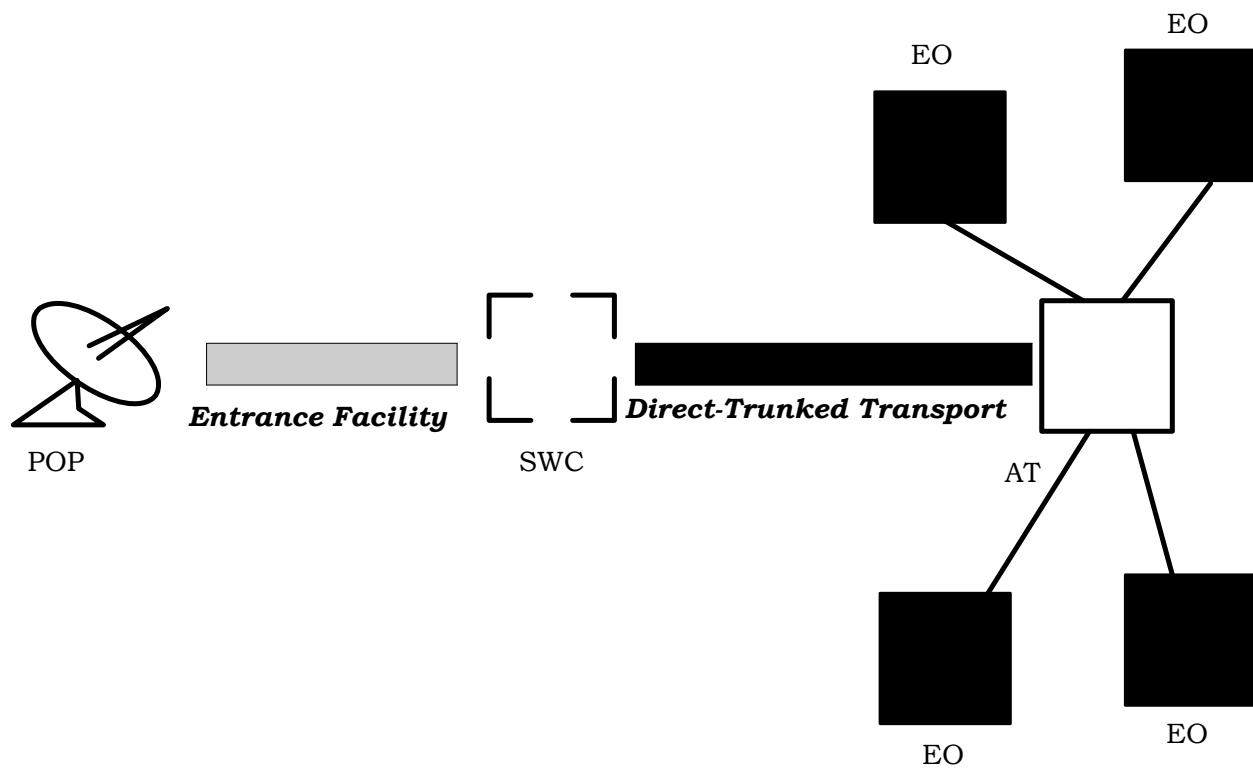
May be ordered at DS-1 or VG- level

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: Facility from POP thru SWC to AT and Trunks

VG: VG Level Trunks



**7.13 IF ENTRANCE FACILITY AND TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

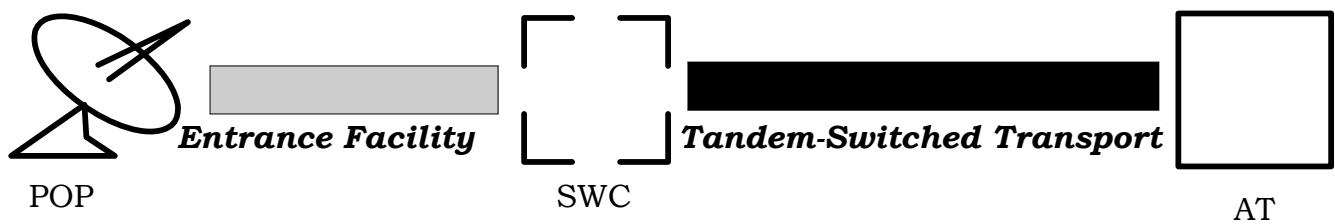
May be ordered at DS-3 or DS-1 levels.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

DS-3: Facility from POP thru SWC to MUX in same bldg as AT

DS-1: Facility from POP thru SWC to AT



## 7.14 BF ENTRANCE FACILITY, TANDEM-SWITCHED TRANSPORT TO ACCESS TANDEM AND TRUNKS, NO SPECIAL ACCESS

### LATA ORDERING REQUIREMENTS

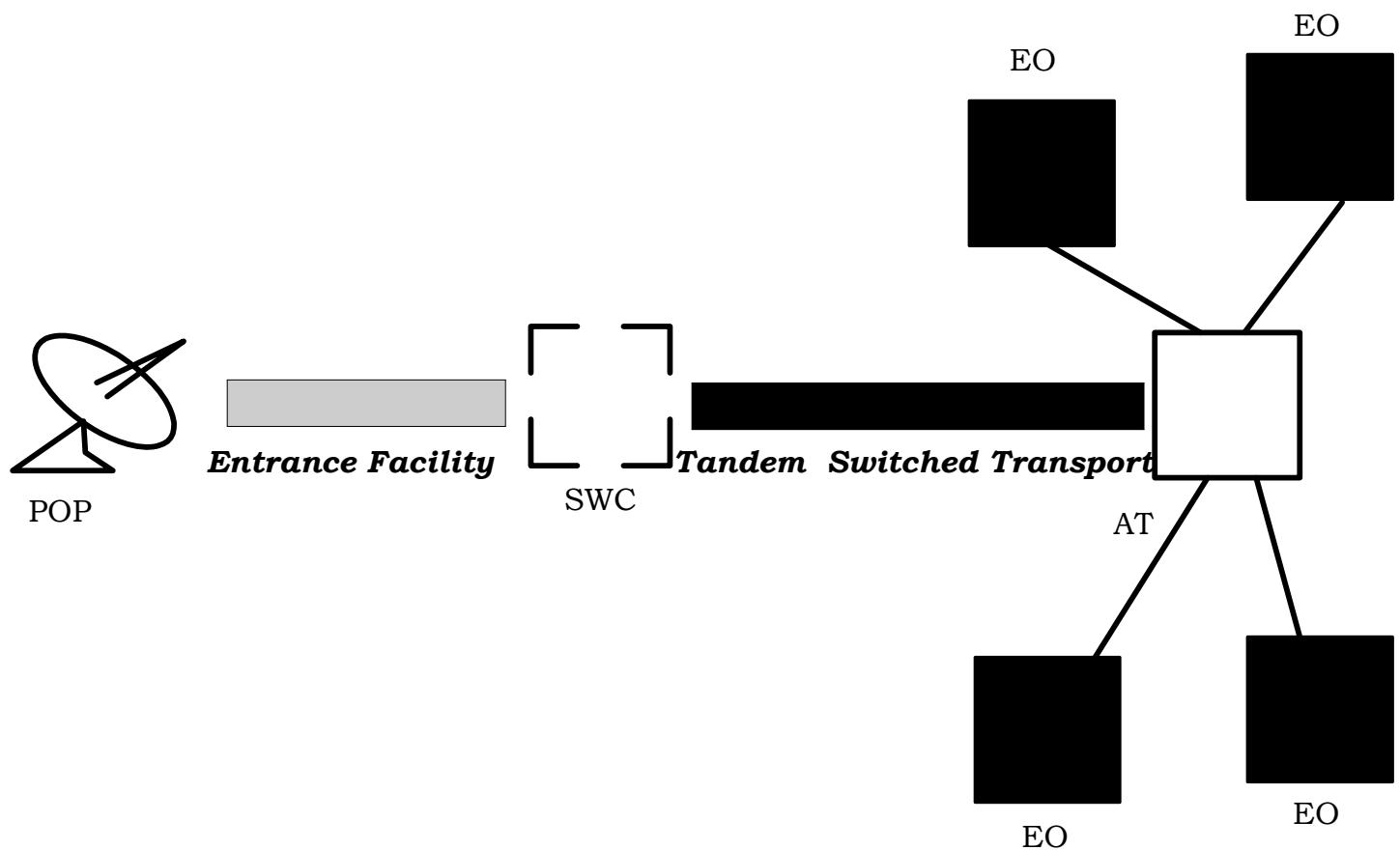
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

### PROVISIONING

DS-1: Facility from POP thru SWC to AT (\*) and Trunks

VG: VG Level Trunks



(\*) Portion Between SWC and AT may not be DS-1 for some providers

**7.15 HF DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB, #1 EXISTS, NO SPECIAL ACCESS**

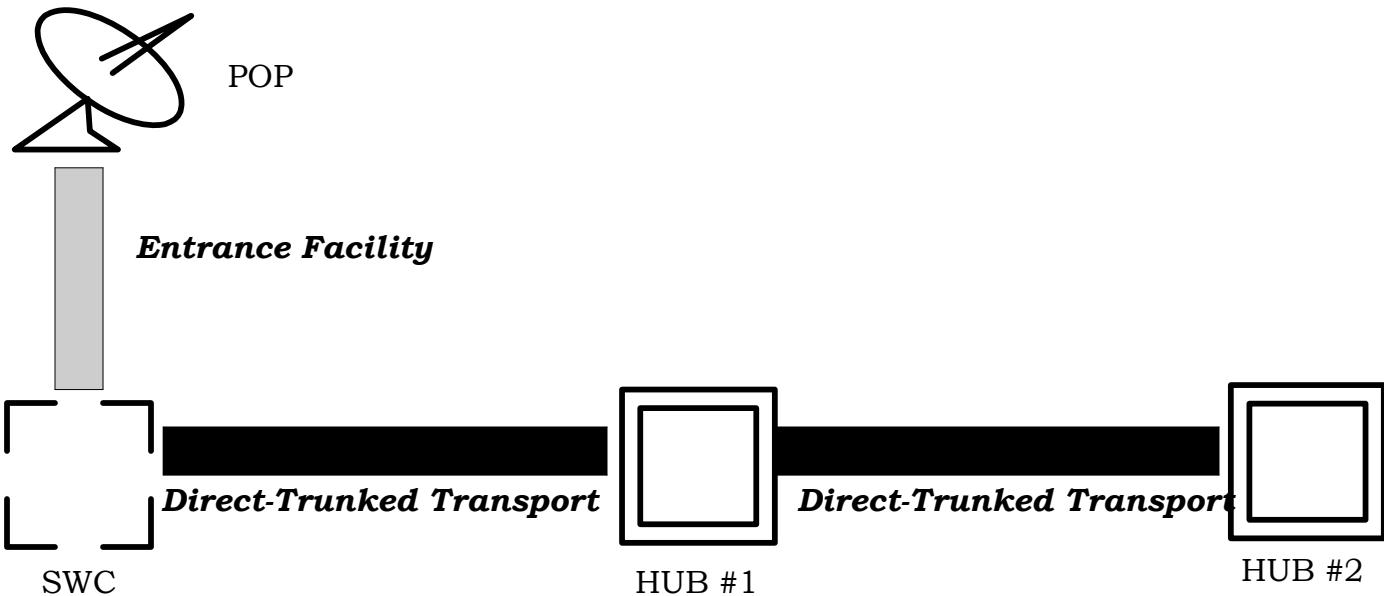
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-3 POP to HUB #1. Provider will provide channel off of DS-3 POP to HUB #2 and a MUX



## 7.16 HA DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY USES SPECIAL ACCESS

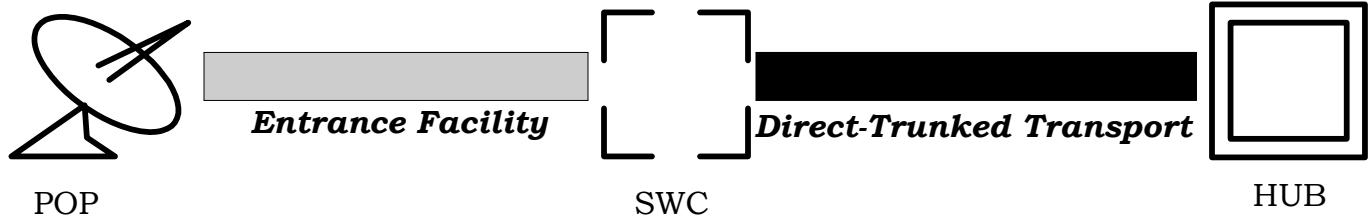
### LATA ORDERING REQUIREMENTS

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

### PROVISIONING

There is an existing DS-3 POP to SWC. Provider will provide a channel off of DS-3 POP to HUB and a MUX.



**7.17 HC DIRECT-TRUNKED TRANSPORT TO HUB, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB #1 USE SPECIAL ACCESS**

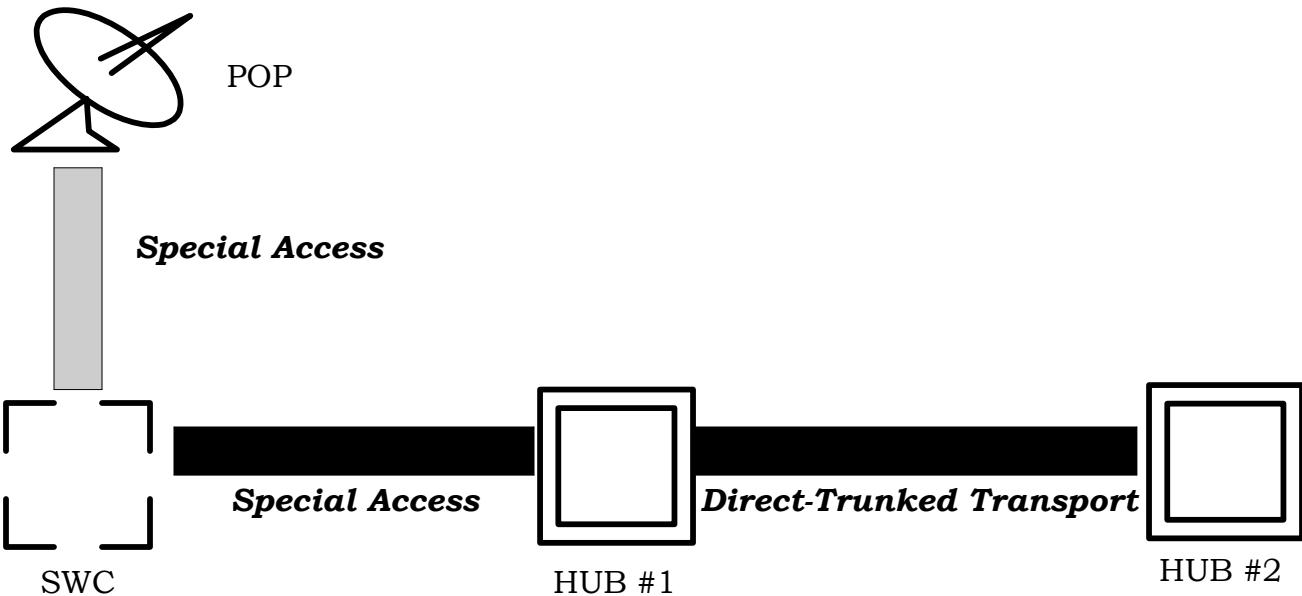
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to HUB #1. Provider will provide a channel off of DS-3 POP to HUB #2 and a MUX.



**7.18 HF DIRECT-TRUNKED TRANSPORT TO END OFFICE,  
ENTRANCE FACILITY AND DIRECT-TRUNKED  
TRANSPORT TO HUB EXISTS, NO SPECIAL ACCESS**

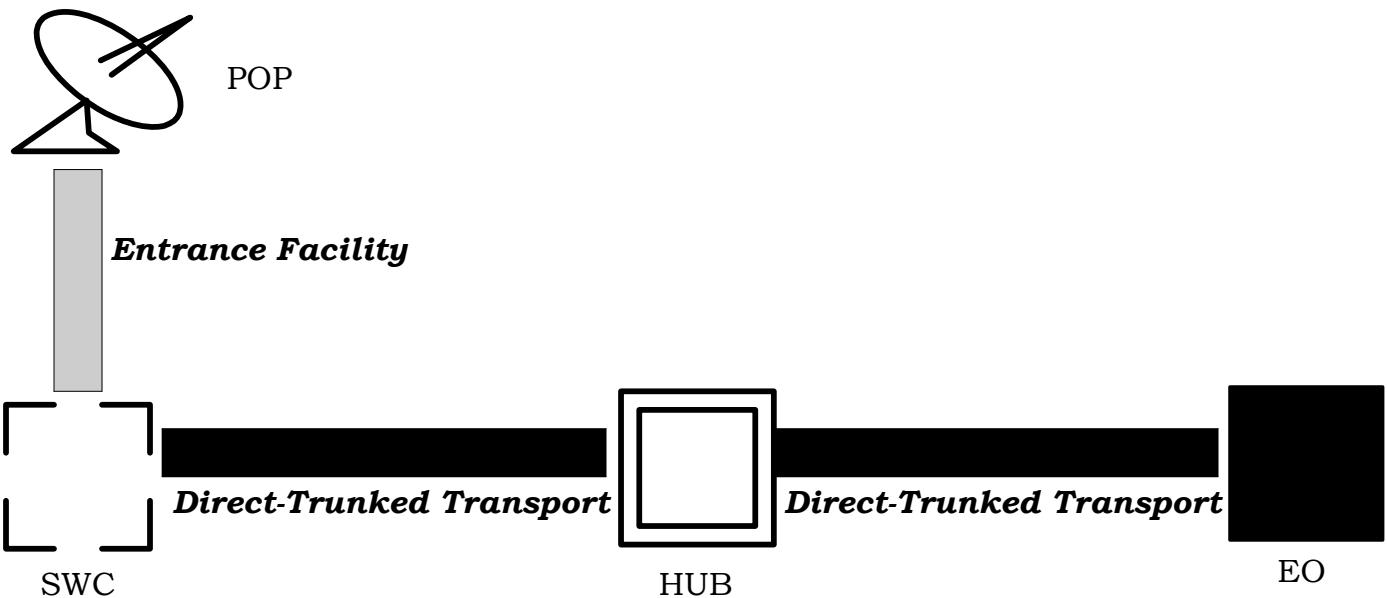
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to HUB. Provider will provide a channel off of DS-3 POP to EO.



**7.19 HA DIRECT-TRUNKED TRANSPORT TO END OFFICE,  
ENTRANCE FACILITY USES SPECIAL ACCESS**

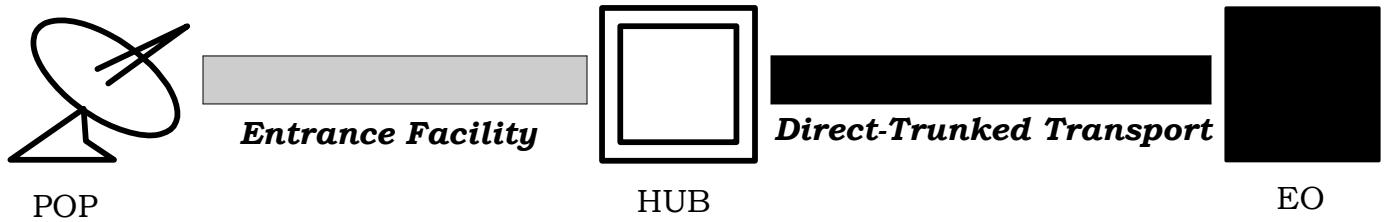
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to SWC. Provider will provide a channel off of DS-3 POP to EO.



**7.20 HC DIRECT-TRUNKED TRANSPORT TO END OFFICE,  
ENTRANCE FACILITY AND DIRECT-TRUNKED  
TRANSPORT TO HUB USE SPECIAL ACCESS**

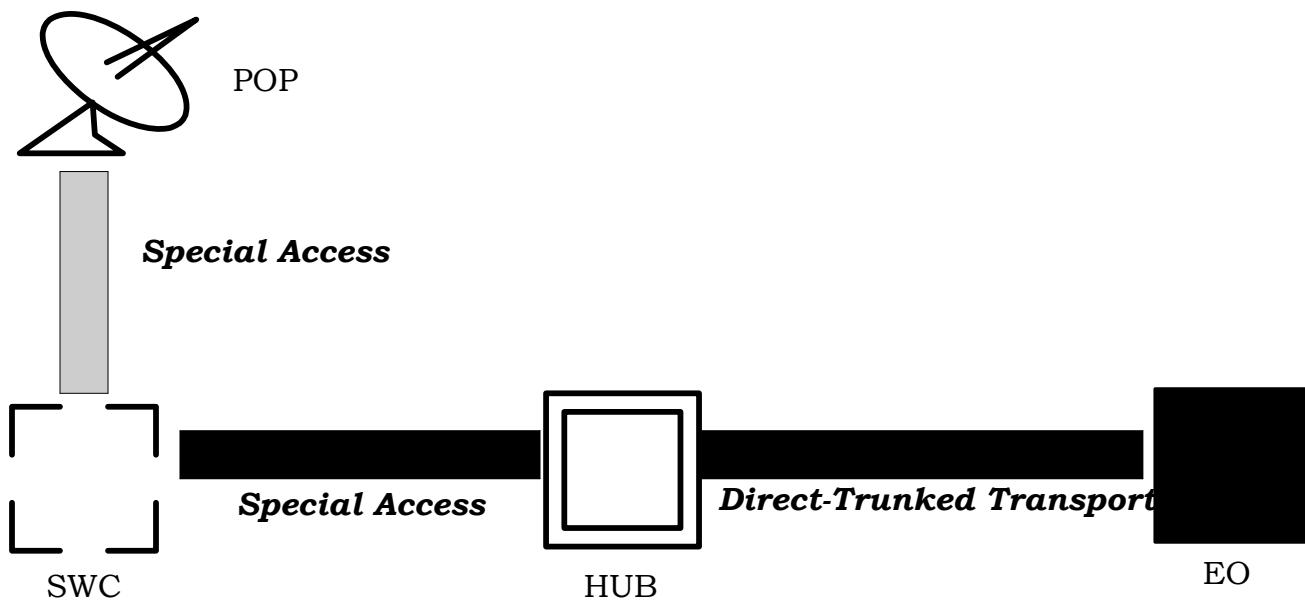
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to HUB. Provider will provide a channel off of DS-3 POP to EO.



**7.21 EF DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

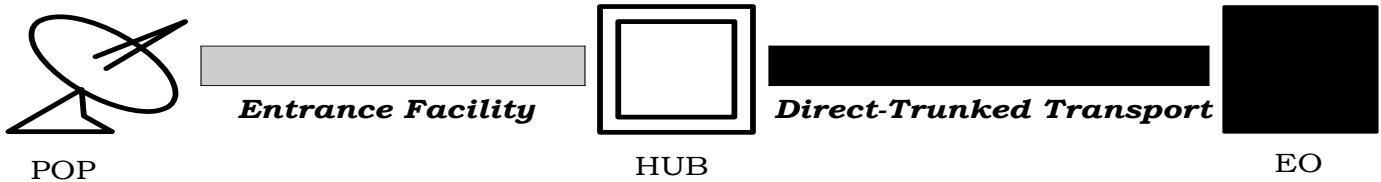
May be ordered at DS-1 or VG level.

ASR FORM  
FGA FORM

**PROVISIONING**

There is an existing DS-3 POP to SWC. Provider will provide a channel off of DS-3 POP to EO and FGA lines.

VG: There is an existing DS-1 POP to SWC. Provider will provide FGA line off of the DS-1.



**7.22 EA DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

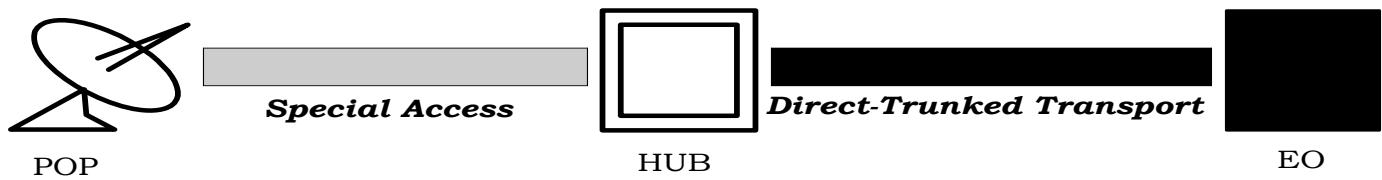
May be ordered at DS-1 or VG level.

ASR FORM  
FGA FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide channel off of DS-3 POP to EO and FGA lines.

VG: There is an existing DS-1 POP to SWC. Provider will provide FGA lines off of the DS-1.



**7.23 EC DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND FGA LINES, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT**

**LATA ORDERING REQUIREMENTS**

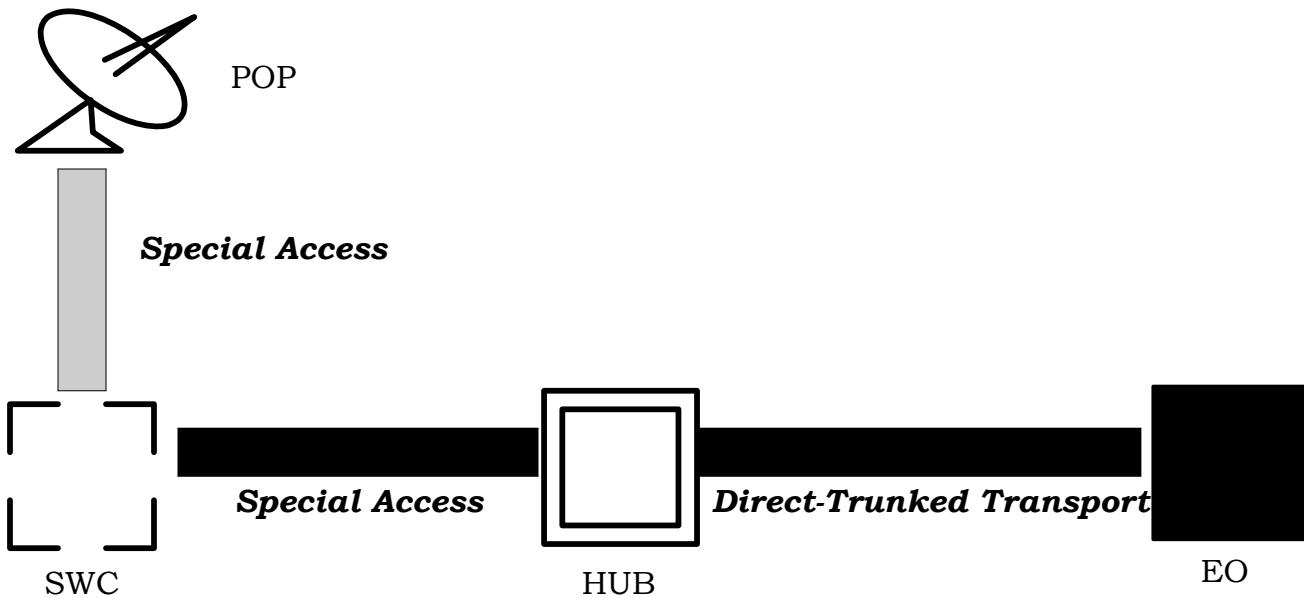
May be ordered at DS-1 or VG level.

ASR FORM  
FGA FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide channel off of DS-3 POP to EO and FGA lines.

VG: There is an existing DS-1 POP to HUB. Provider will provide FGA lines off of DS-1.



**7.24A EF DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

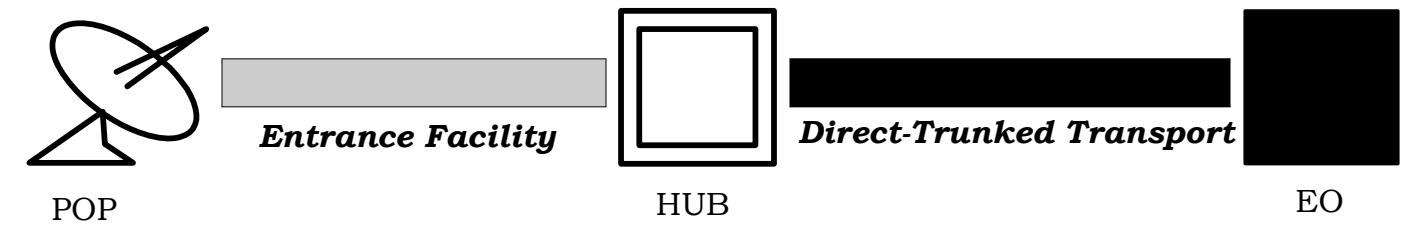
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide a channel off of DS-3 POP to EO and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.24B EF DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

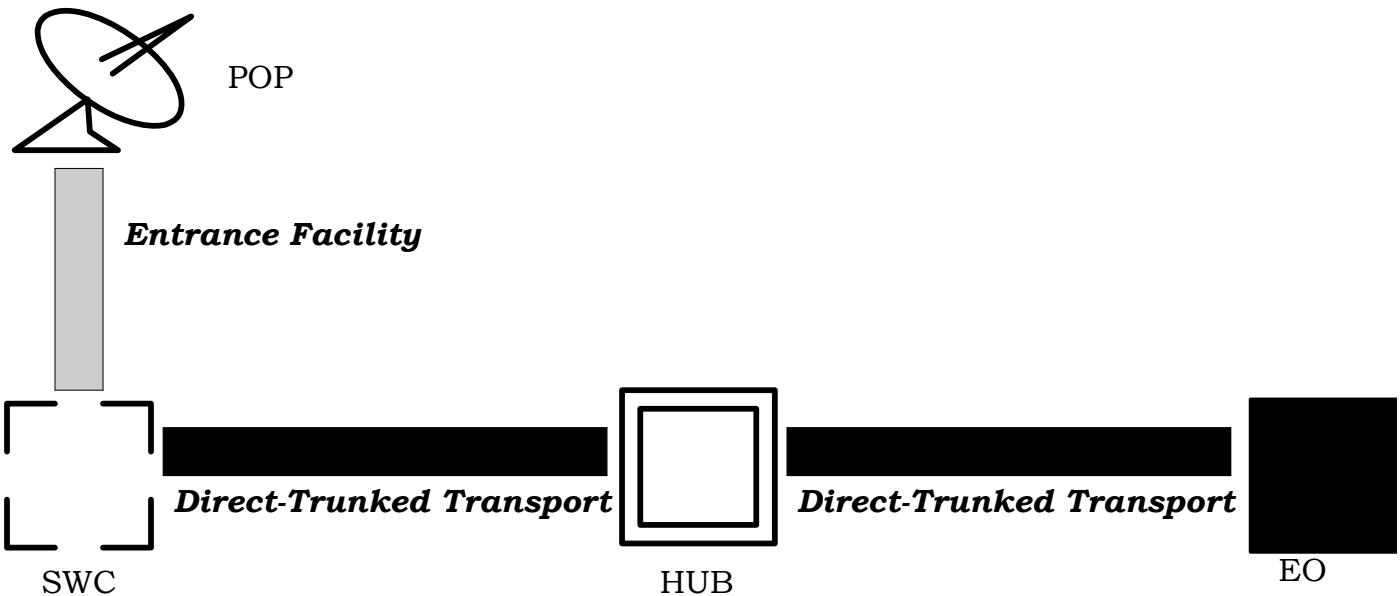
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide a channel off of DS-3 POP to EO and trunks.

VG: There is an existing DS-1 POP to HUB. Provider will provide trunks off of DS-1.



**7.25 EA DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

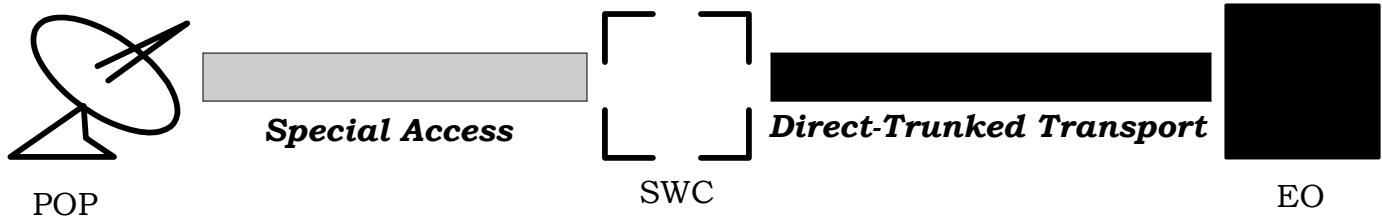
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide a channel off of DS-3 POP to EO and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.26 EC DIRECT-TRUNKED TRANSPORT TO THE END OFFICE AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

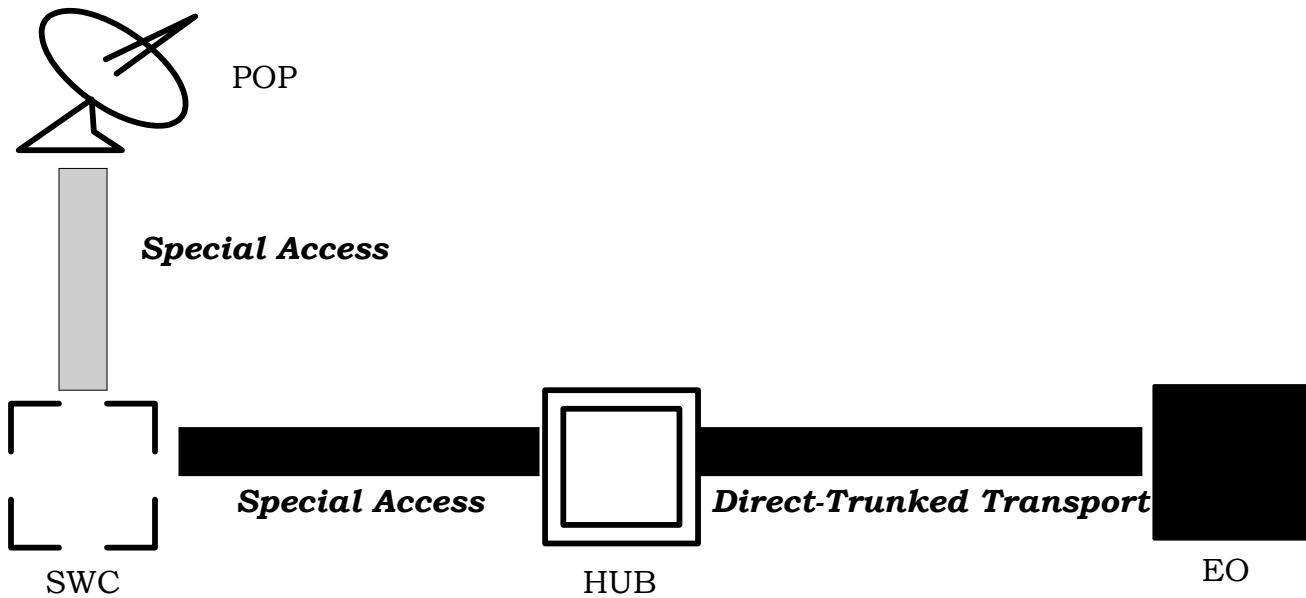
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide channel off of DS-3 POP to EO and trunks.

VG: There is an existing DS-1 POP to HUB. Provider will provide trunks off of DS-1.



**7.27 JF DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

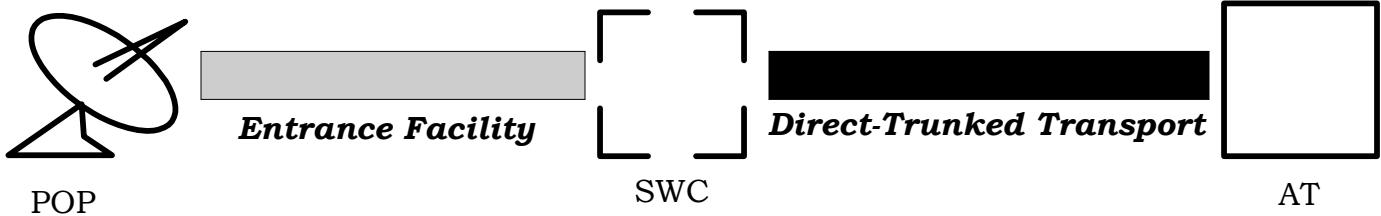
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to SWC. Provider will provide channel off of the DS-3 POP to AT



**7.28 JA DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, ENTRANCE FACILITY USES SPECIAL ACCESS**

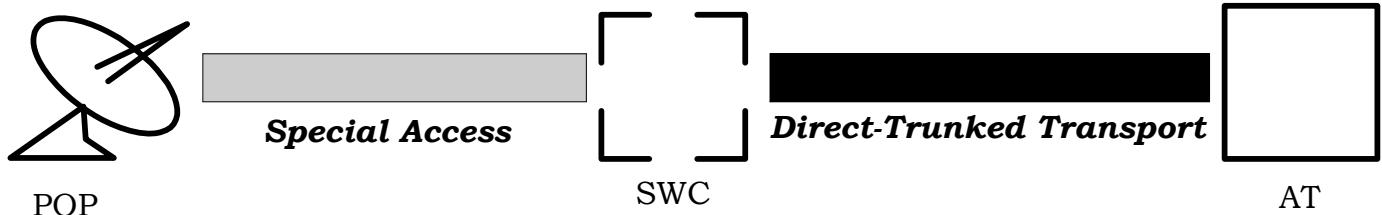
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to SWC. Provider will provide channel off of the DS-3 POP to AT.



**7.29 JC DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

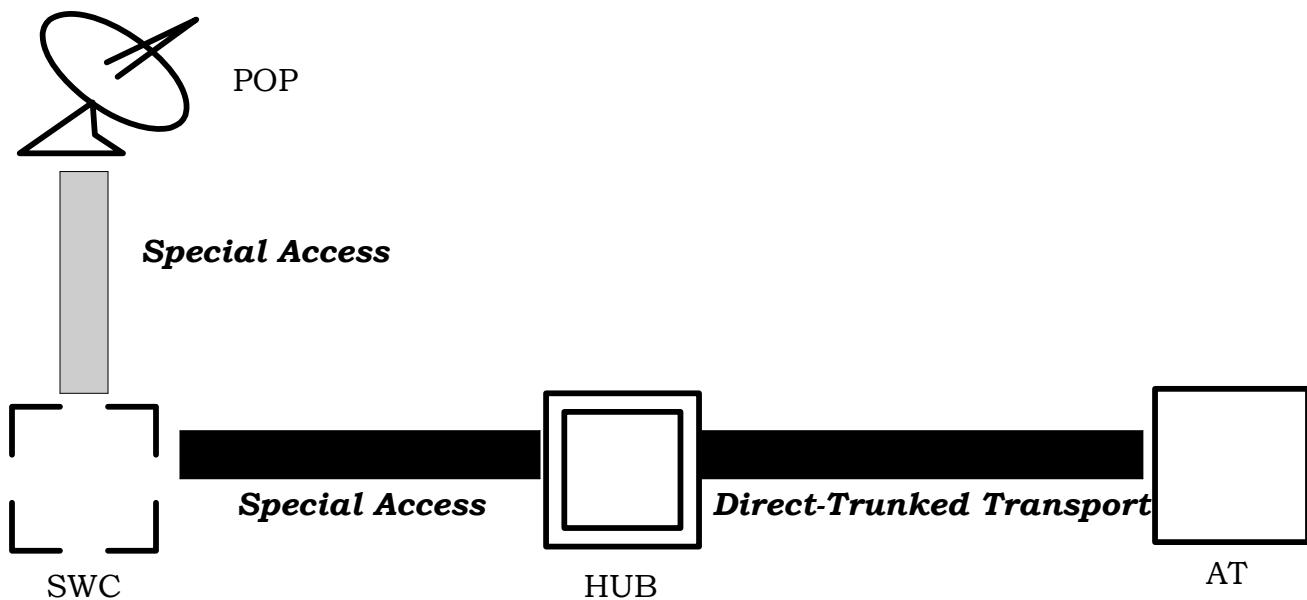
**LATA ORDERING REQUIREMENTS**

May be ordered at DS-1 level only.

ASR FORM  
TRANSPORT FORM

**PROVISIONING**

There is an existing DS-3 POP to HUB. Provider will provide channel off of the DS-3 POP to AT.



**7.30 LF DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

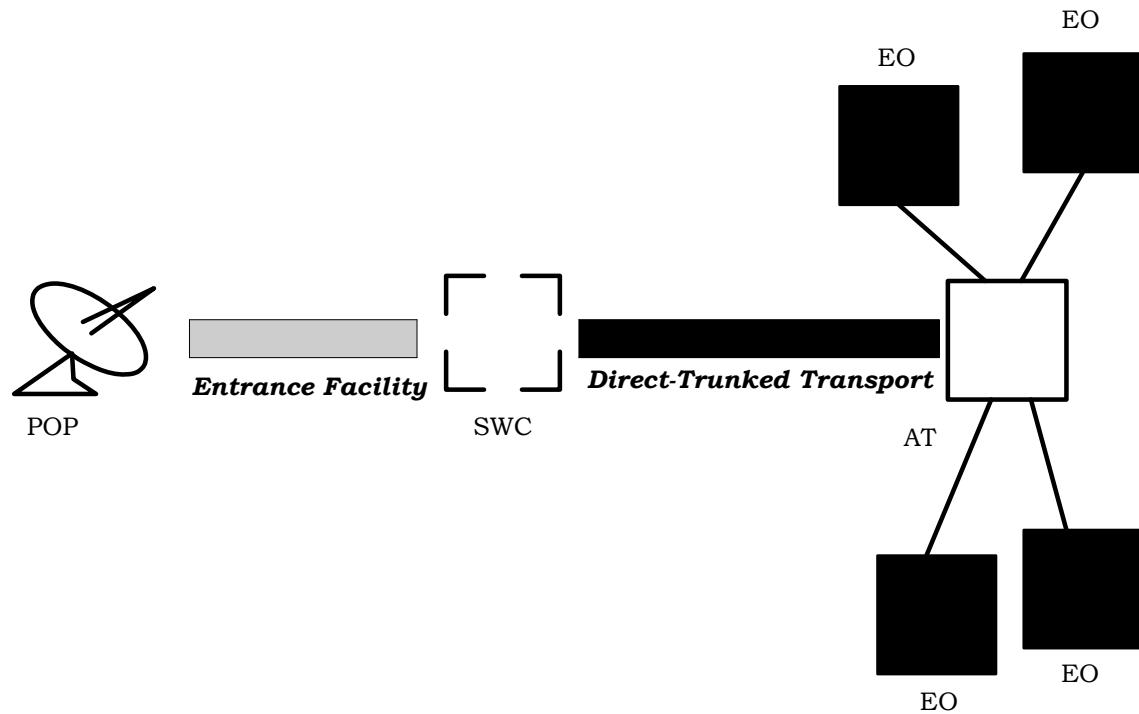
May be ordered at DS1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide channel off of DS-3 POP to AT and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.31 LA DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

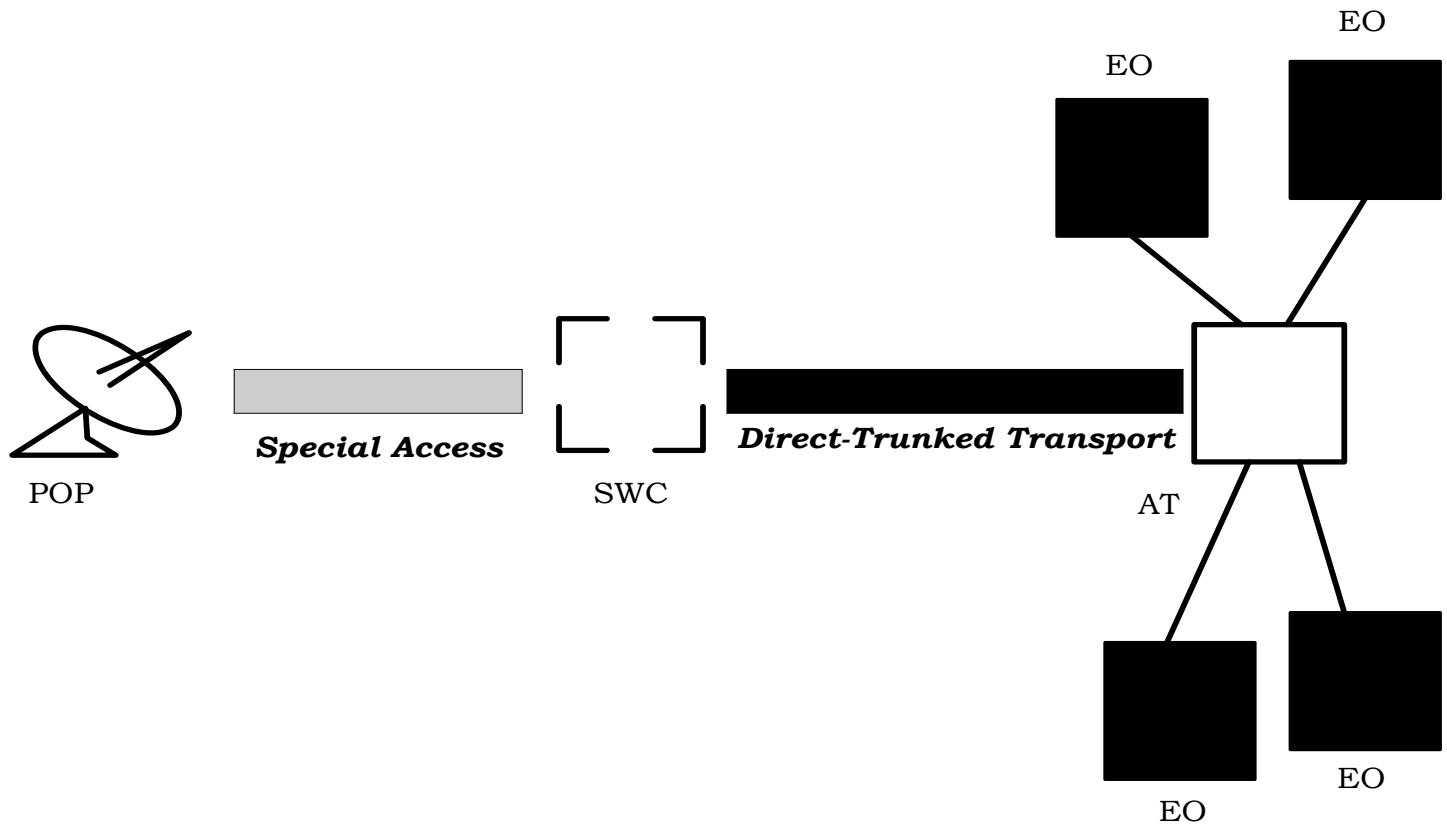
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide channel off of DS-3 POP to AT and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.32 LC DIRECT-TRUNKED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

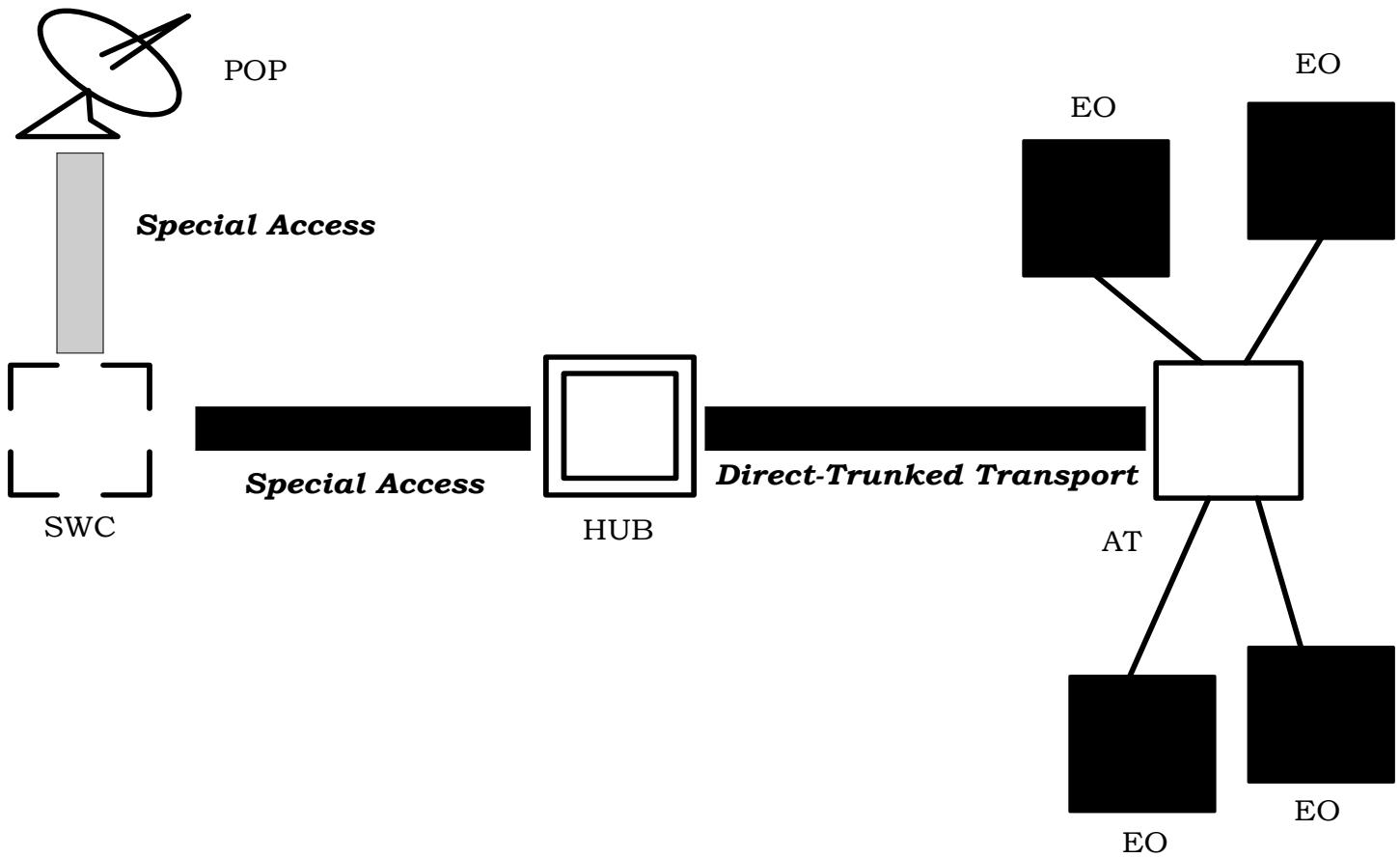
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide channel off of DS-3 POP to AT and trunks.

VG: There is an existing DS-1 POP to HUB. Provider will provide trunks off of DS-1.



**7.33 CF TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

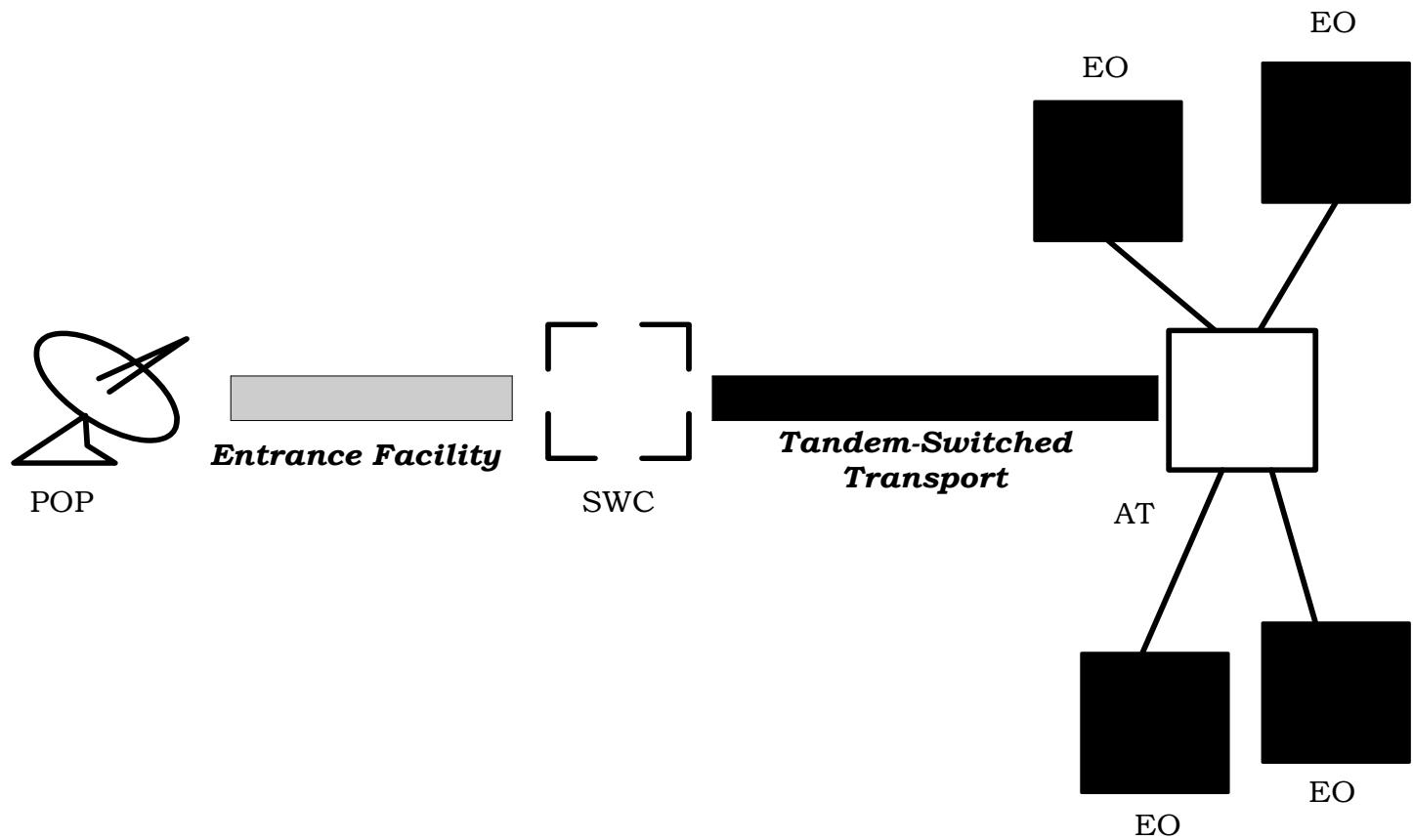
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide channel off of DS-3 and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.34 CA TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

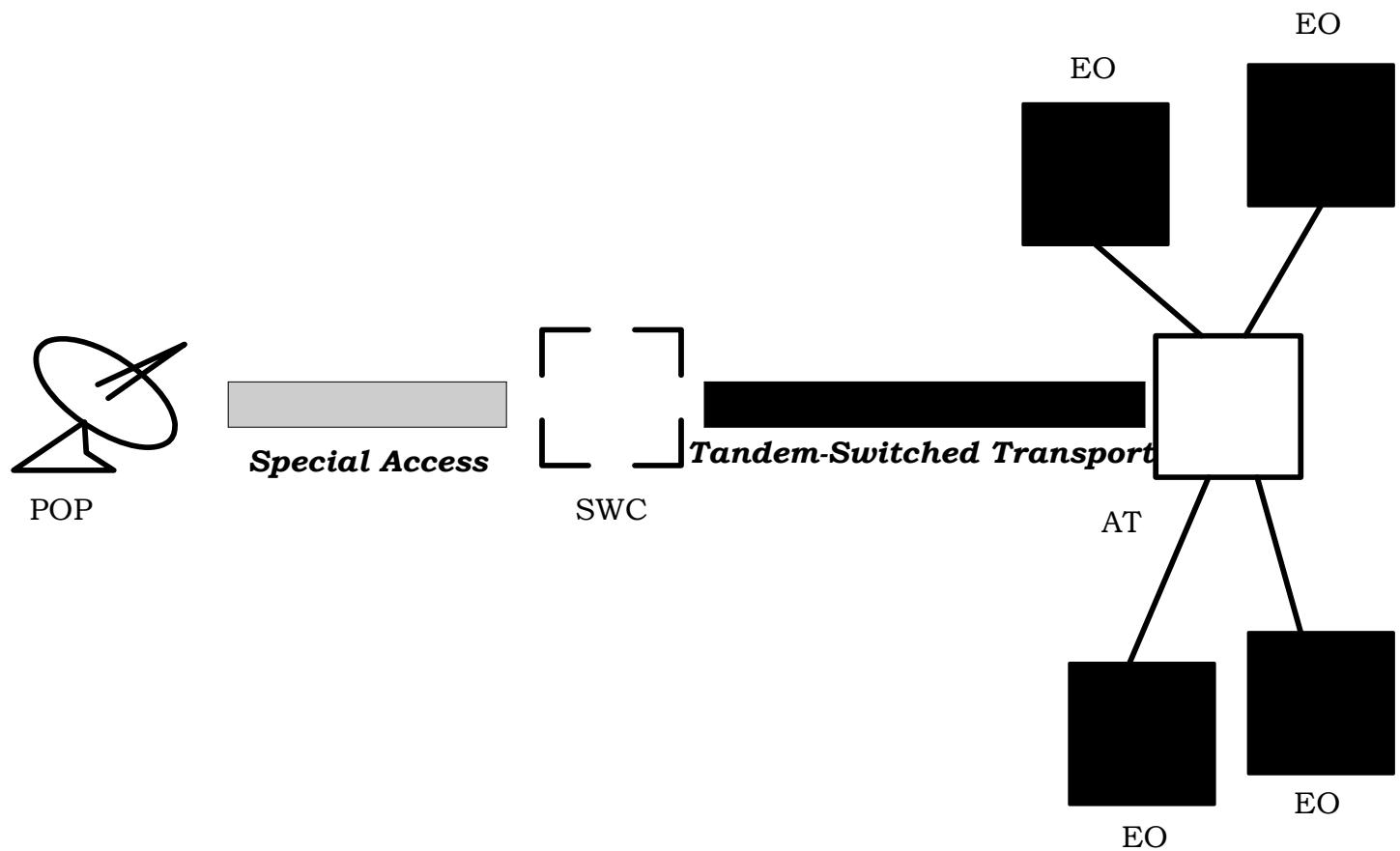
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to SWC. Provider will provide channel off of DS-3 and trunks.

VG: There is an existing DS-1 POP to SWC. Provider will provide trunks off of DS-1.



**7.35 CC TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

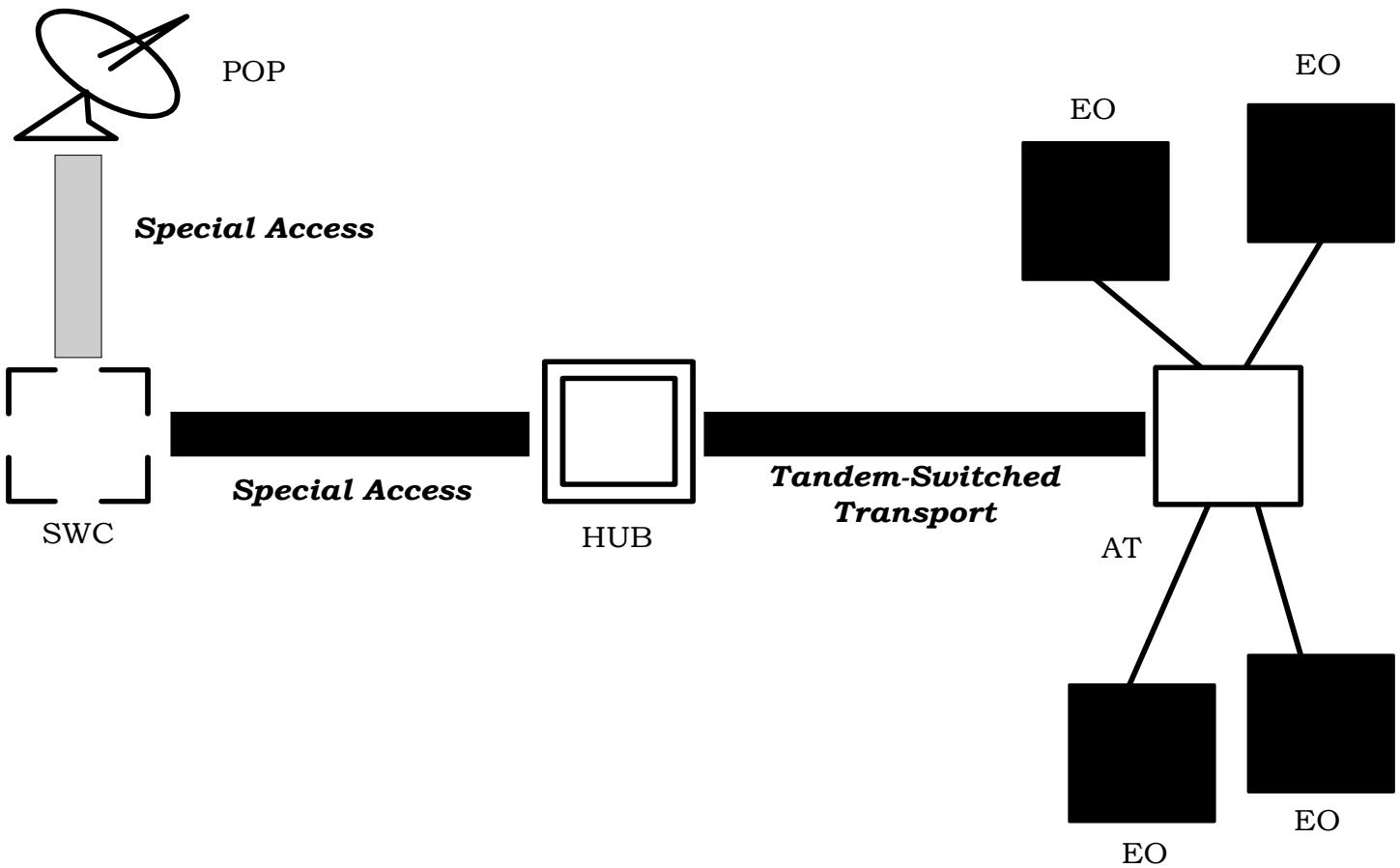
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide channel off of DS-3 POP to AT and trunks.

VG: There is an existing DS-1 POP to HUB. Provider will provide trunks off of DS-1.



**7.36 CE TANDEM-SWITCHED TRANSPORT TO THE ACCESS TANDEM AND TRUNKS, ENTRANCE FACILITY AND TANDEM-SWITCHED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

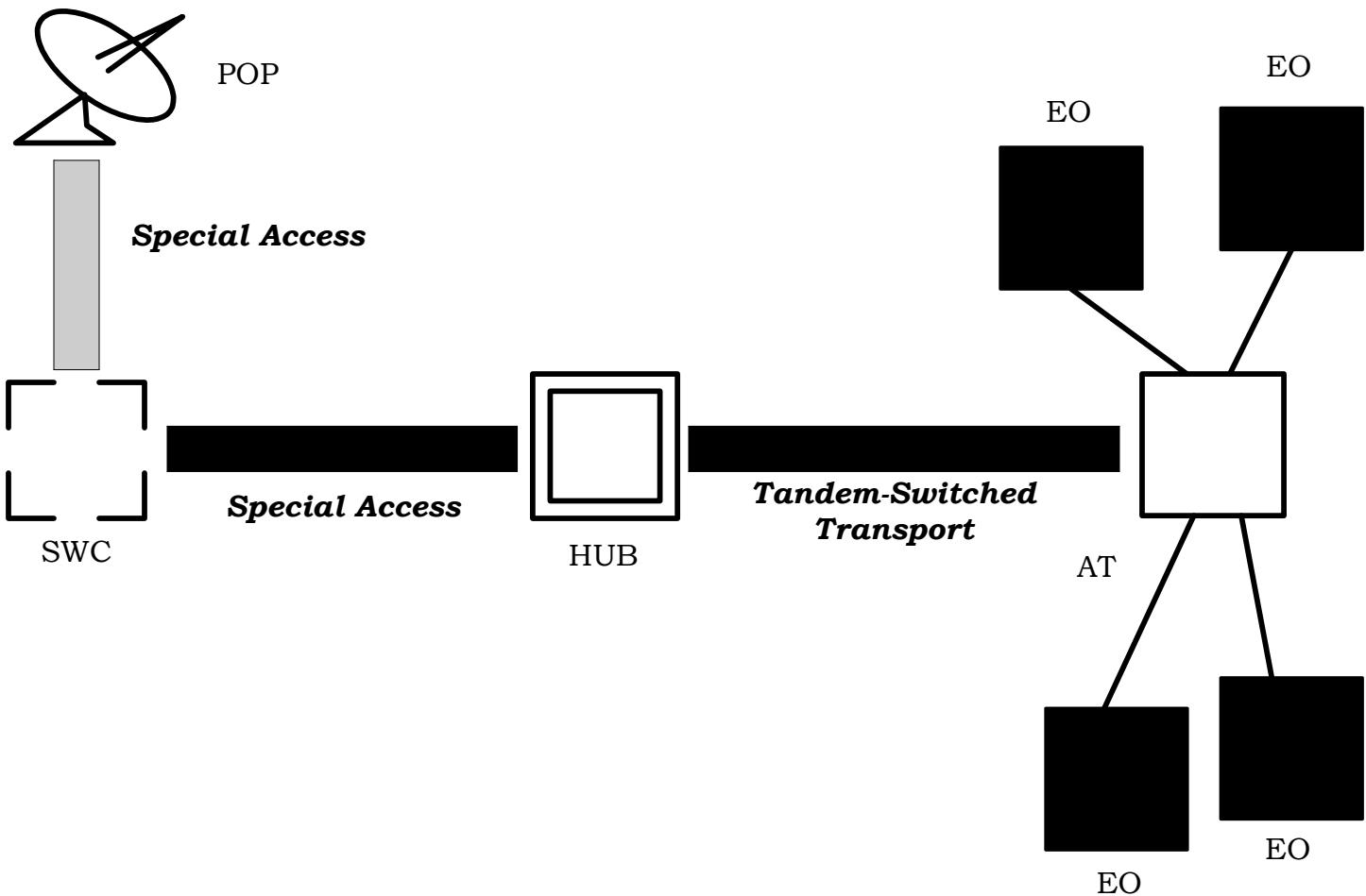
May be ordered at DS-1 or VG level.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 POP to HUB. Provider will provide channel off of DS-3 POP to AT and trunks.

VG: There is an existing DS-1 POP to HUB. Provider will provide trunks off of DS-1.



**7.37 FF FGA LINES ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE END OFFICE EXISTS, NO SPECIAL ACCESS**

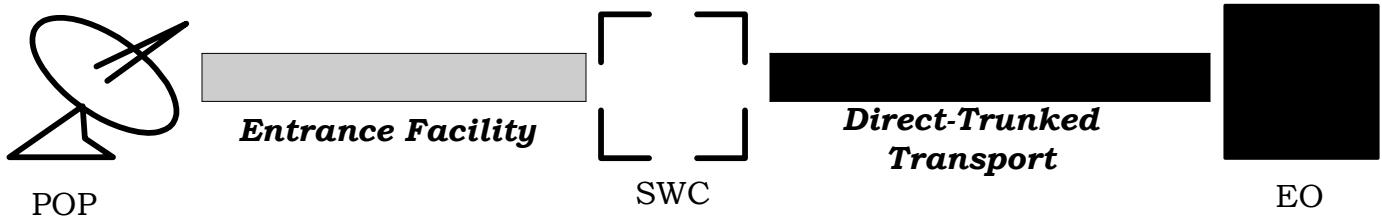
**LATA ORDERING REQUIREMENTS**

May be ordered at VG level only.

ASR FORM  
FGA FORM

**PROVISIONING**

There is an existing DS-1 POP to EO. Provider will provide FGA lines off of DS-1.



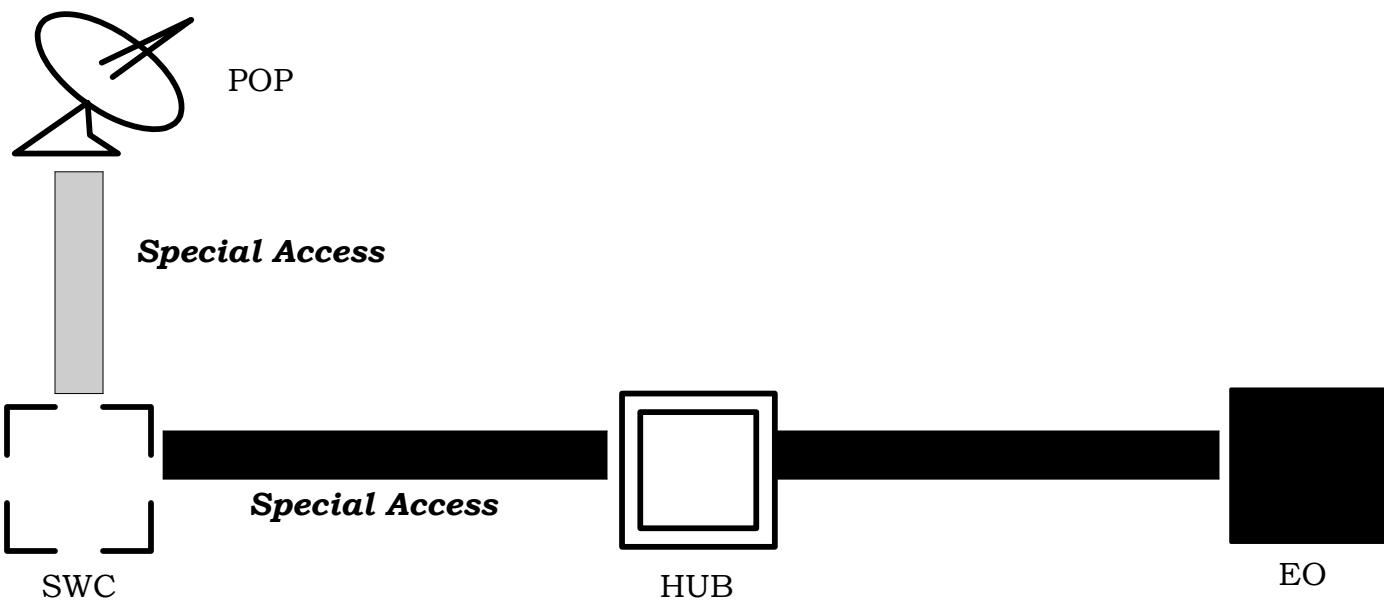
**7.38 FC FGA LINES ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
FGA FORM

**PROVISIONING**

There is an existing Hi-cap facility POP to HUB. The HUB and EO are in the same building. Provider will provide FGA lines to EO.\*



---

\* This is the exception to assumption #2 that every line/trunk must have an entrance facility and transport all the way to the end office or access tandem.

**7.39A FF TRUNKS ONLY, ENTRANCE FACILITY AND TRANSPORT TO THE ACCESS TANDEM EXIST. (MAY BE EITHER DIRECT-TRUNKED OR TANDEM-SWITCHED TRANSPORT)  
NO SPECIAL ACCESS**

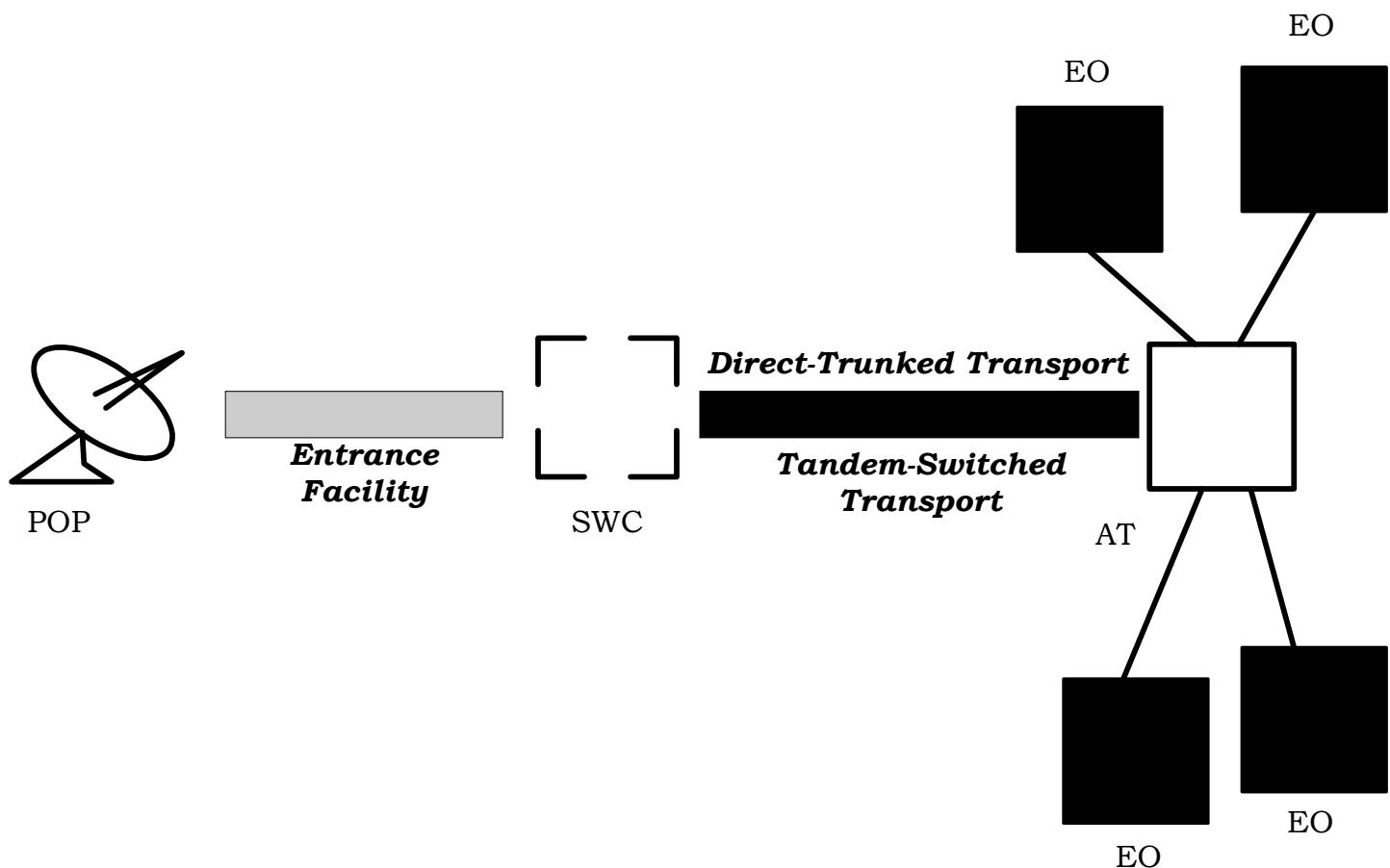
**LATA ORDERING REQUIREMENTS**

May be ordered at VG level only.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-1 POP to AT. Provider will provide trunks off of DS-1.



**7.39B FF TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE END OFFICE EXIST, NO SPECIAL ACCESS**

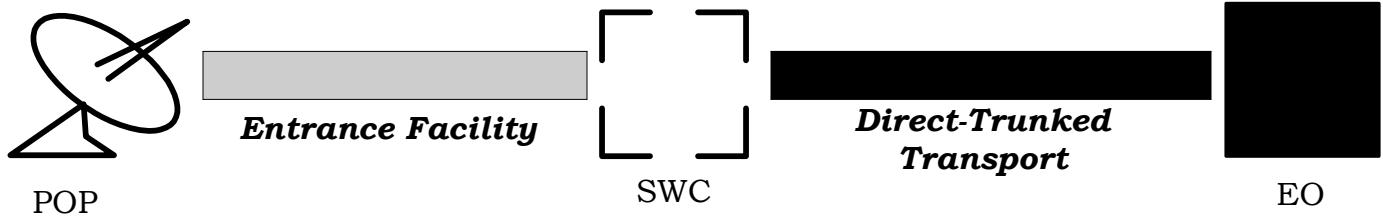
**LATA ORDERING REQUIREMENTS**

May be ordered at VG level only.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-1 POP to EO. Provider will provide trunks off of DS-1.



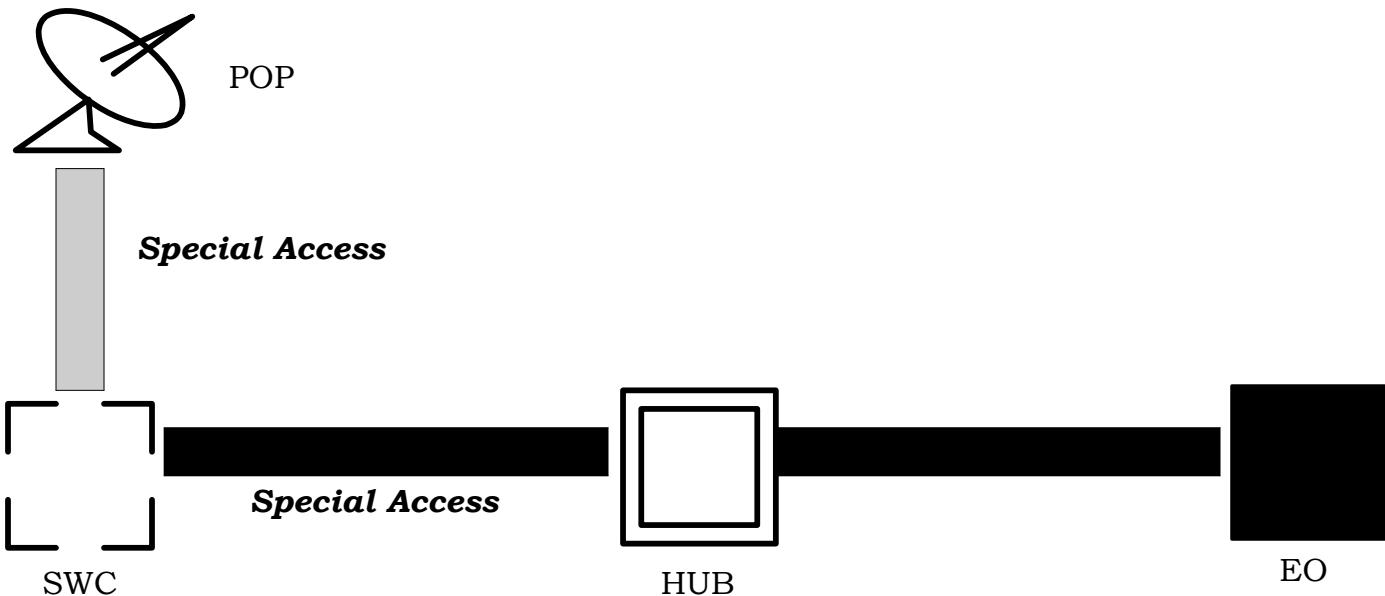
**7.40A FC TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB USE SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing Hi-cap facility POP to HUB. The HUB and EO are in the same building. Provider will provide trunks to the EO.\*



---

\* This is the exception to assumption #2 that every line/trunk must have an entrance facility and transport all the way to the end office or access tandem.

**7.40B FC TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS**

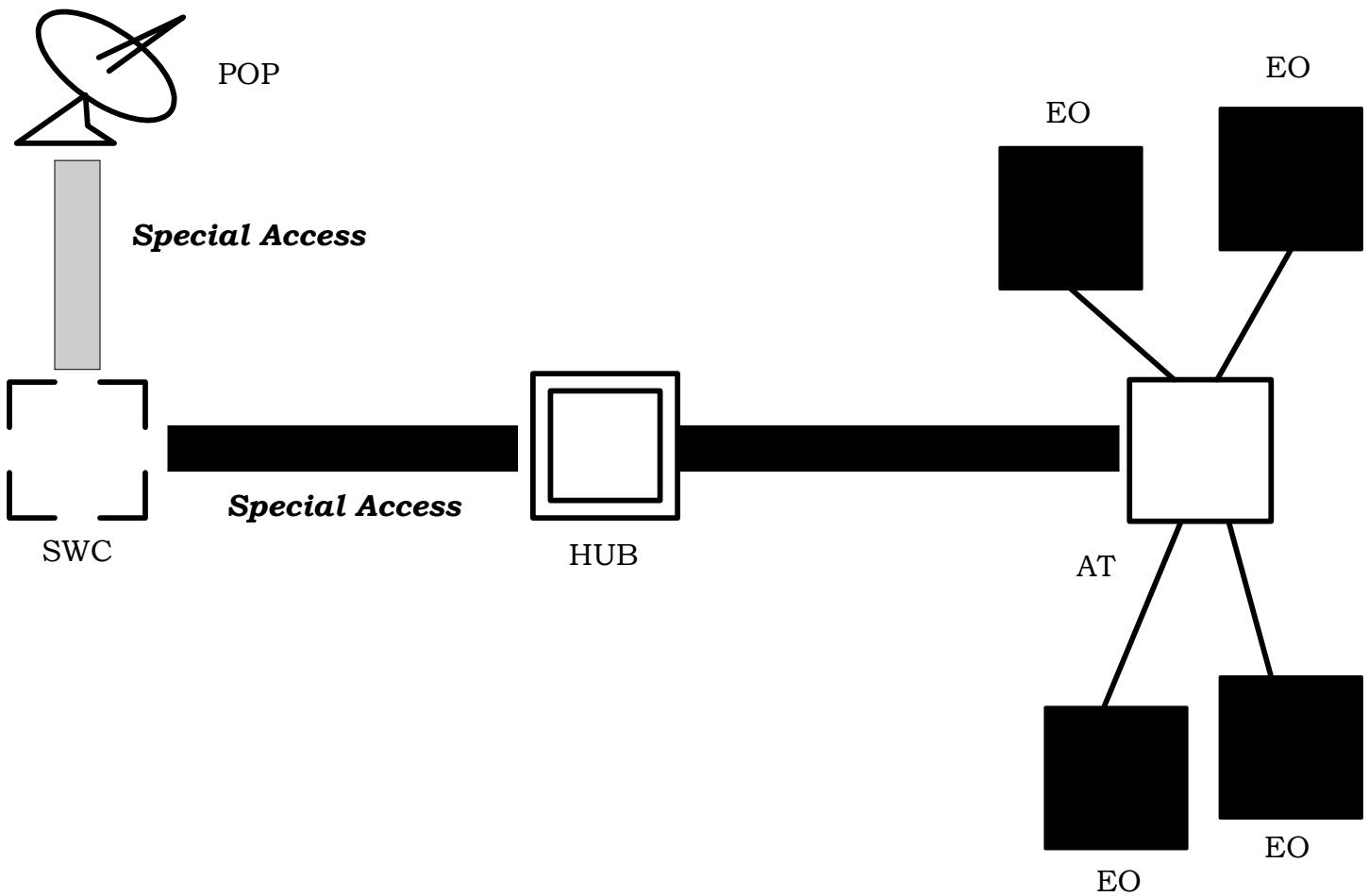
**LATA ORDERING REQUIREMENTS**

May be ordered at VG level only.

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing Hi-cap facility POP to HUB. The HUB and AT are in the same building. Provider will provide trunks to the AT.\*



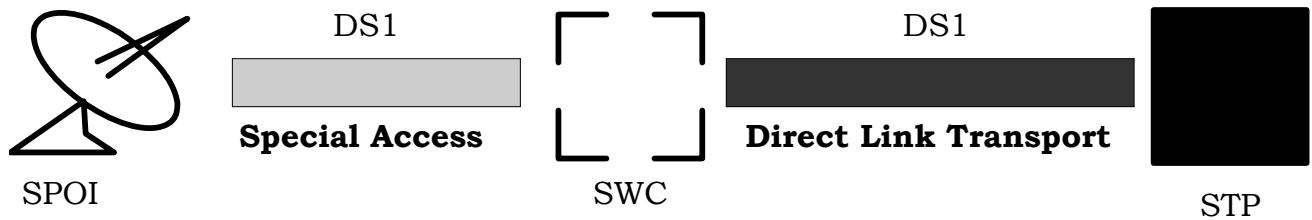
**7.41A QA DIRECT-LINK TRANSPORT TO THE STP AND LINKS,  
ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 entrance facility from the SPOI to SWC. Provider will provide a channel off of DS-3 SPOI to STP and links.



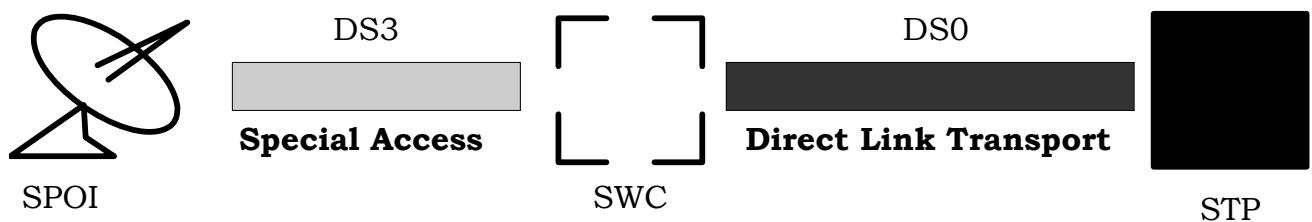
**7.41B QA DIRECT-LINK TRANSPORT TO THE STP AND LINKS,  
ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

VG: There is an existing DS-1 entrance facility from the SPOI to SWC. Provider will provide links off of DS-1.



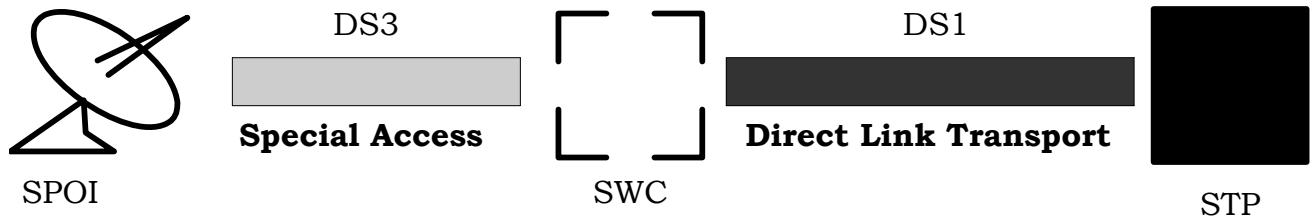
**7.42 RA LINKS, EXISTING DIRECT-LINK TRANSPORT TO THE STP AND ENTRANCE FACILITY USES SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-3 entrance facility from the SPOI to SWC, and an existing DS-1 DLT facility SPOI to STP. Provider will provide links off of DS-1.



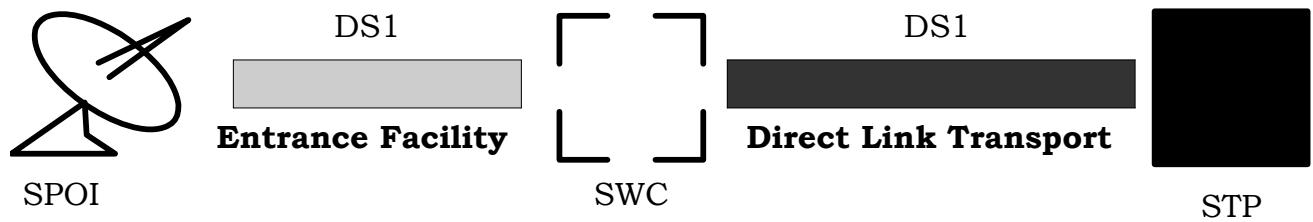
**7.43A PF ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: Facility from SPOI through SWC to STP and links.



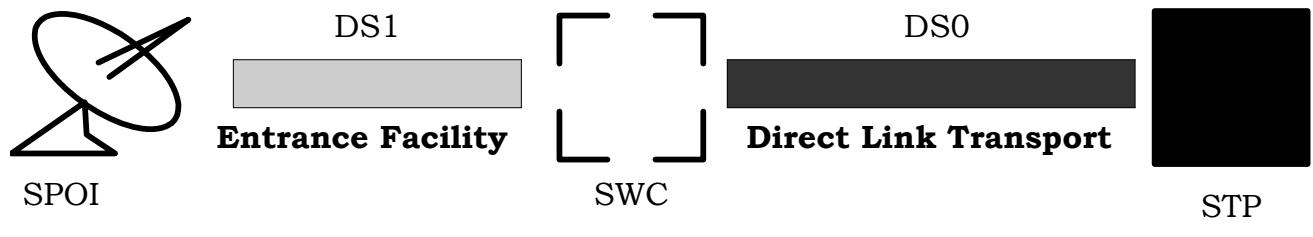
**7.43B PF ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: Facility from SPOI to SWC. Provider will provide a channel off of DS-1 to STP and links.



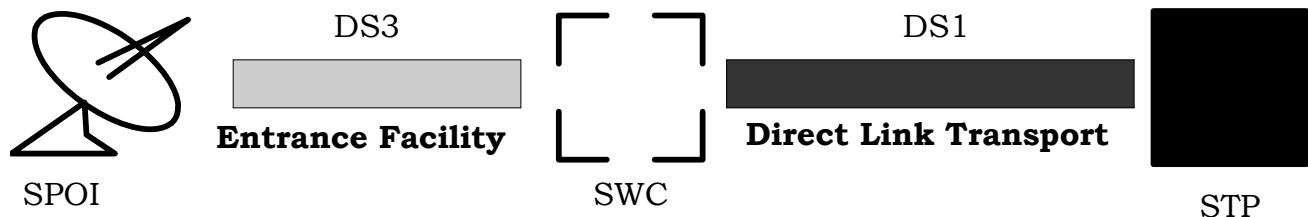
**7.44A QF DIRECT-LINK TRANSPORT TO THE STP AND LINKS,  
ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 entrance facility from the SPOI to SWC. Provider will provide a channel off of DS-3 SPOI to STP and links.



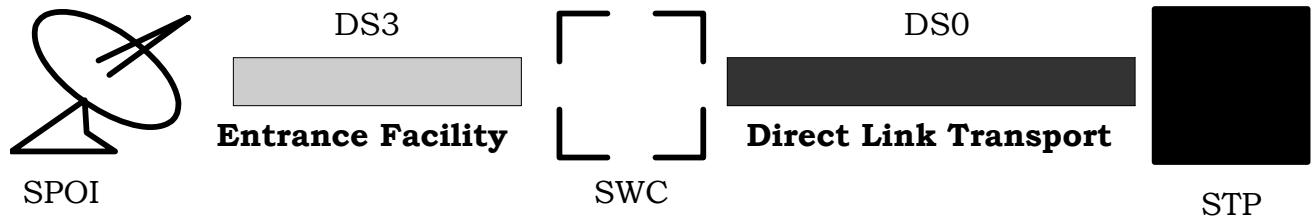
**7.44B QF DIRECT-LINK TRANSPORT TO THE STP AND LINKS,  
ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

DS-1: There is an existing DS-3 entrance facility from the SPOI to SWC. Provider will provide a channel off of DS-3 SPOI to STP and links.



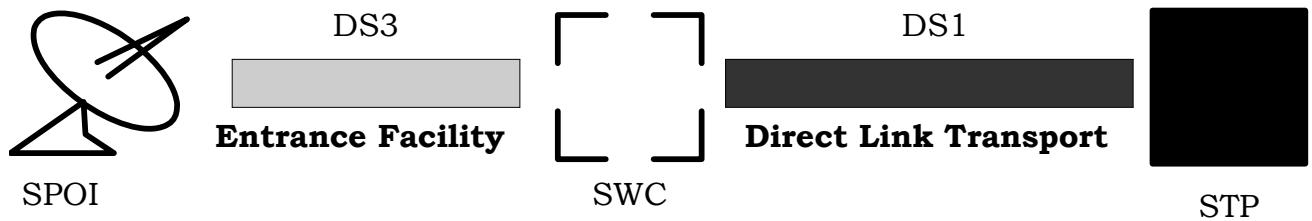
**7.45A RF LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-3 entrance facility from the SPOI to SWC. Provider will provide links off of DS-1.



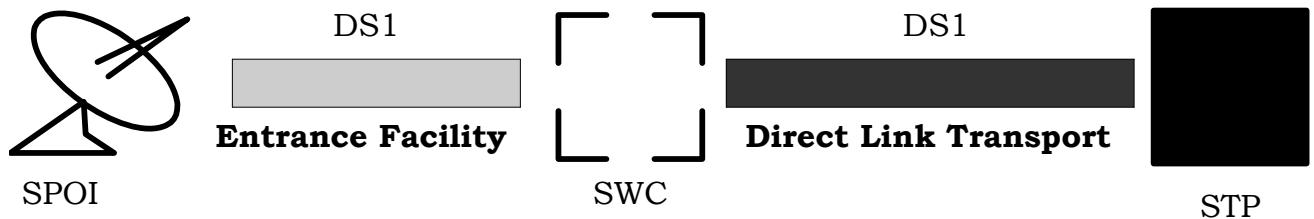
**7.45B RF LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS**

**LATA ORDERING REQUIREMENTS**

ASR FORM  
TRUNKING FORM

**PROVISIONING**

There is an existing DS-1 entrance facility from the SPOI to STP. Provider will provide links off of DS-1.



## FEATURE GROUP A

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	8.1
FEATURE GROUP A (FGA) ORDERING CONFIGURATIONS	8.2
FOREIGN EXCHANGE	8.2.1
FOREIGN EXCHANGE WITH CUSTOMER EXTENSION DIFFERENT LATA	8.2.2
FOREIGN EXCHANGE WITH CUSTOMER EXTENSION SAME LATA	8.2.3
FOREIGN EXCHANGE WITH CUSTOMER EXTENSION WITHIN FGA LATA	8.2.4
FGA WITH PROVIDER EXTENSION WITHIN FGA LATA	8.2.5
FGA WITH CUSTOMER EXTENSION AND TRANSITING FACILITY IN THE FGA LATA	8.2.6
FGA WITH CUSTOMER EXTENSION AND PROVIDER PROVIDED TRANSITING FACILITY IN THE FGA LATA	8.2.7
FGA WITH PROVIDER TRANSITING FACILITY AS AN EXTENSION IN THE FGA LATA	8.2.8

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 8. FEATURE GROUP A

8.1 **GENERAL** FGA Access provides line side access to provider end office switches with an associated seven digit local telephone number for the customer's use in originating and terminating communications to a customer service or a customer provided communications capability. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

A seven digit telephone number assigned by the provider is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the provider can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multi-frequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

No address signaling is provided by the provider when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using in-band tone signaling techniques. Such in-band tone address signals will not be regenerated by the provider and will be subject to the ordinary transmission capabilities of the Local Transport provided.

When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

Feature Group A may be ordered by the customer with various arrangements comprised of the following where available.

- Common Switching Optional Features
- Transport Termination Optional Features
- Local Transport Optional Features

Certain other features may be available in connection with Feature Group A and are provided under the provider's general exchange service tariffs.

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balanced (100 type) test line and milliwatt (102 type) test line.

**8.2 FEATURE GROUP A (FGA) ORDERING CONFIGURATIONS** is ordered between a customer terminal location and a FGA Ordering Configurations Central Office (commonly called the Dial Tone Office) providing the FGA service. FGA is provided with a telephone number which is used to access the service by the dialing of seven or ten digits. When this number is dialed, ringing is provided to the customer who answers and processes the call over its facilities.

This section provides graphic representations of ordering requirements for basic FGA service configurations. They are "high level" in presentation, and do not include the specifications of local transport. See Section 7 for local transport requirements. Pictorials of customer requirements for end- to-end service often involve a combination of access and other services. These configurations represent the majority of such orders and are not meant to limit ordering through other variations.

**8.2.1 FOREIGN EXCHANGE:** A combination of services (a FGA service in LATA-A and a Special Access service in LATA-B) can be used to create an Inter-LATA Foreign Exchange service.

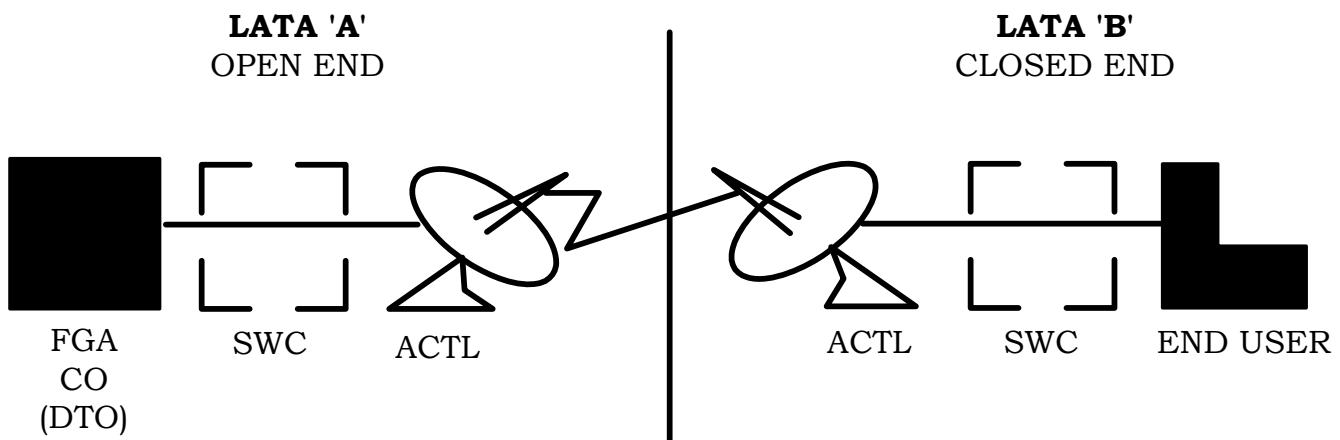
The configuration in LATA-A depicts a line-side switched Access Service between an ACTL and a provider Central Office (Dial Tone Office).

The configuration shown in LATA-B depicts a Special Access service terminating the Foreign Exchange service. The terminating end is ordered separately from the FGA service.

#### ORDERING REQUIREMENTS

LATA-A  
ASR FORM  
FGA FORM

LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM



Foreign Exchange from a customer perspective

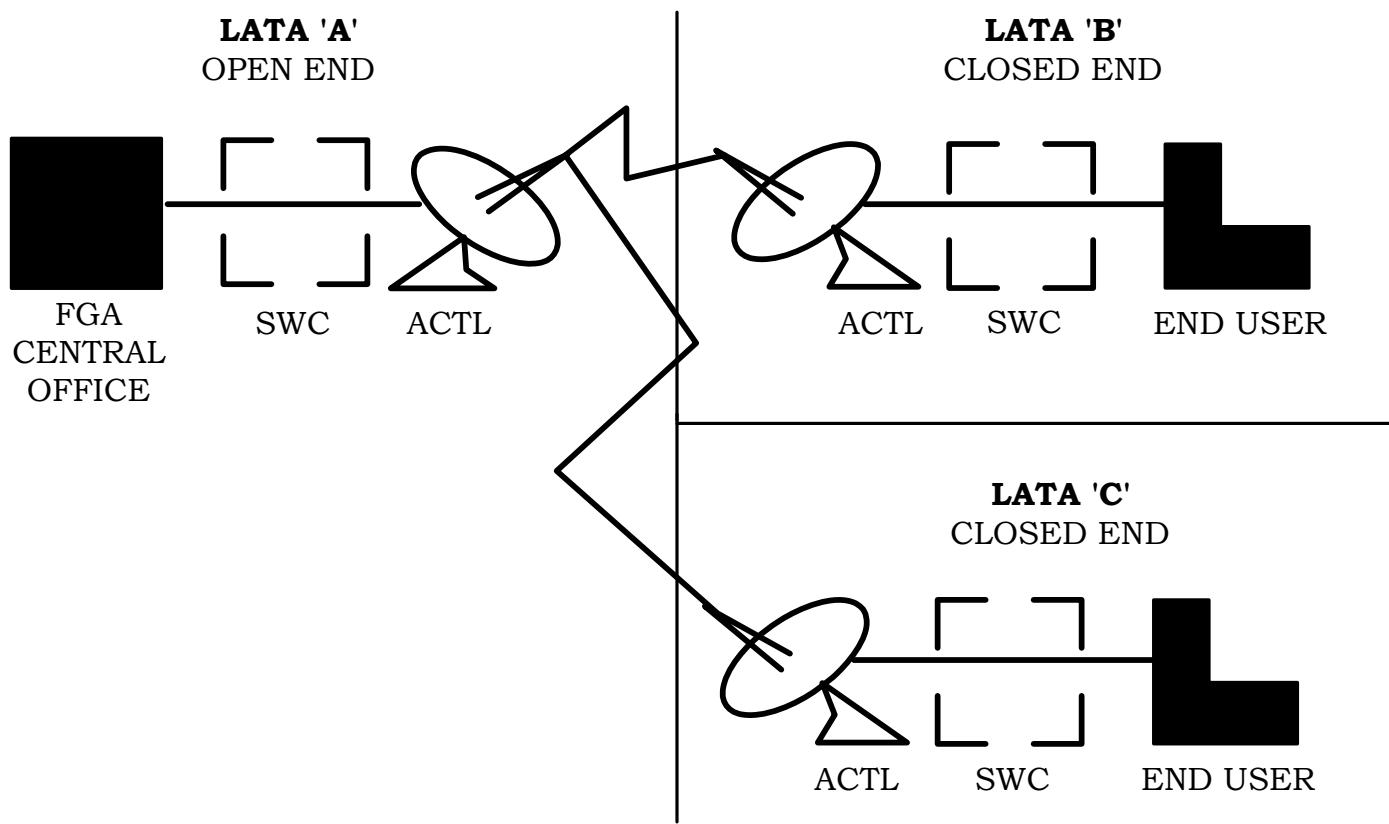
**8.2.2 FOREIGN EXCHANGE WITH CUSTOMER EXTENSION DIFFERENT LATA.** This configuration is the same basic layout as in Section 8.3 with the addition of a separately ordered Special Access Service in LATA C acting as the closed end of a Foreign Exchange Configuration.

#### ORDERING REQUIREMENTS

LATA-A  
ASR FORM  
FGA FORM

LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM

LATA-C  
ASR FORM  
TRANSPORT FORM  
SALI FORM



**8.2.3 FOREIGN EXCHANGE WITH CUSTOMER EXTENSION SAME LATA** The configuration is the same basic layout as in Section 8.3 with the customer providing a bridged extension using provider access to a second end user location within LATA-B. This service arrangement requires four (4) sets of requests:

- 1) One for the FGA
- 2) One for the first end user location
- 3) One for the second end user location
- 4) One for the ACTL to ACTL transiting facility

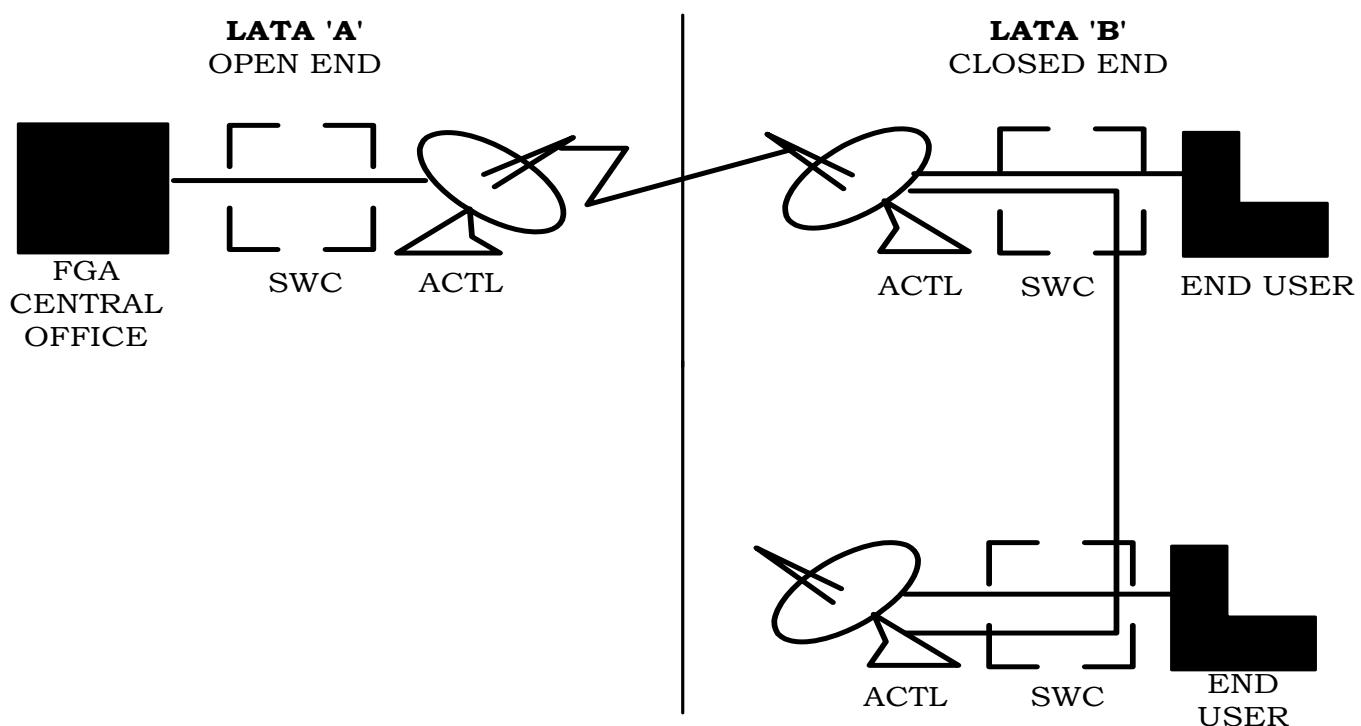
#### ORDERING REQUIREMENTS

LATA-A (1)  
ASR FORM  
FGA FORM

LATA-B (2)  
ASR FORM  
TRANSPORT FORM  
SALI FORM

LATA-A (3)  
ASR FORM  
FGA FORM

LATA-B (3)  
ASR FORM  
TRANSPORT FORM  
SALI FORM



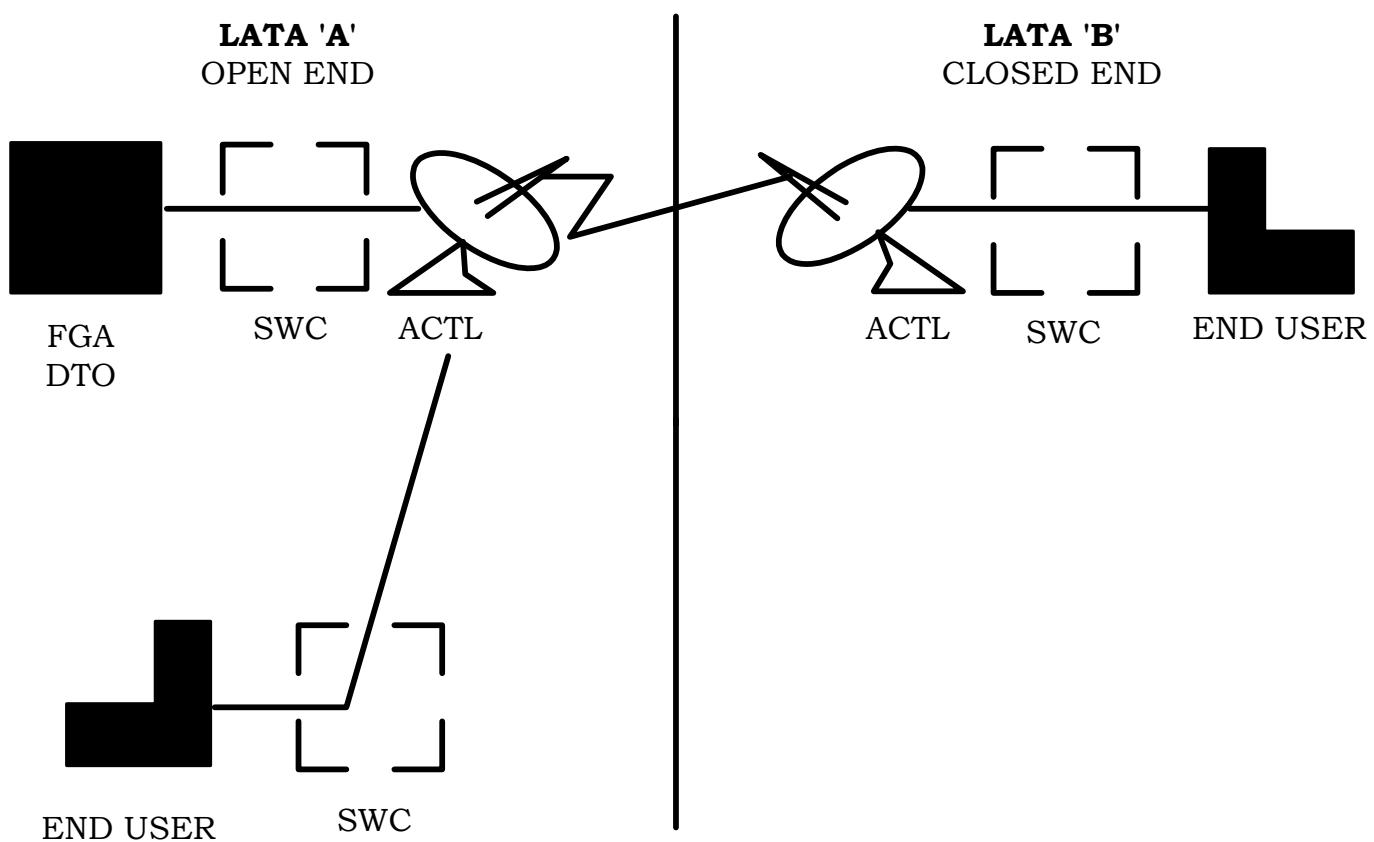
**8.2.4 FOREIGN EXCHANGE WITH CUSTOMER EXTENSION WITHIN FGA LATA** The configuration is the same basic layout as in Section 8.3 with the customer providing a bridged extension within the FGA (dial tone) LATA. This arrangement requires three (3) sets of requests: 1) one for the FGA service 2) one for the end user location in LATA-A 3) one for the end user location LATA-B

#### ORDERING REQUIREMENTS

LATA-A  
ASR FORM  
FGA FORM

LATA-A  
ASR FORM  
TRANSPORT FORM  
SALI FORM

LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM



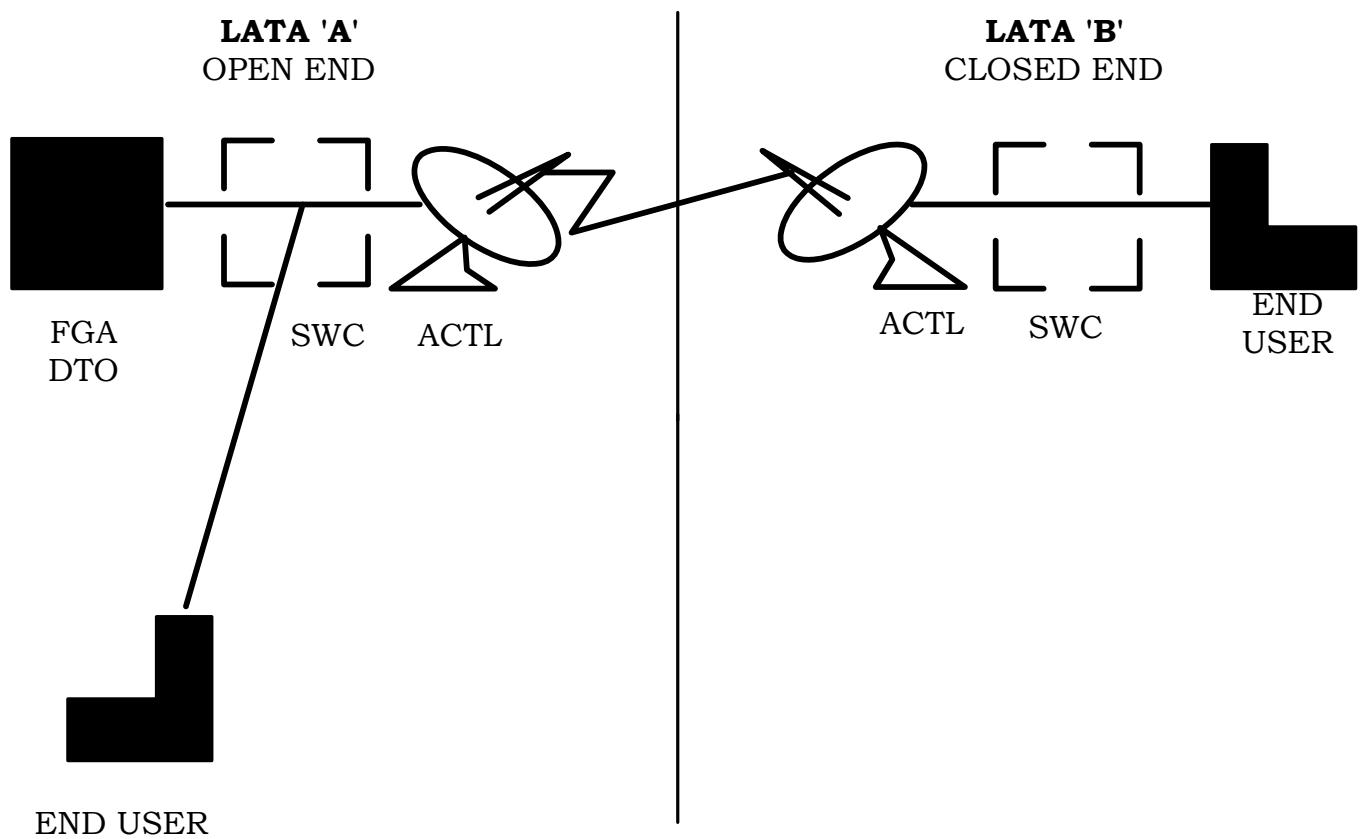
**8.2.5 FGA WITH PROVIDER EXTENSION WITHIN FGA LATA** This configuration is again the same basic layout as in Section 8.3 with the provider providing a bridged extension within the FGA (dial tone) LATA. This arrangement requires two (2) sets of requests.

- 1) One for the FGA and Service Leg extension in LATA-A
- 2) One for the end user location in LATA-B

#### ORDERING REQUIREMENTS

LATA-A  
ASR FORM  
FGA FORM  
MSL FORM  
SALI FORM

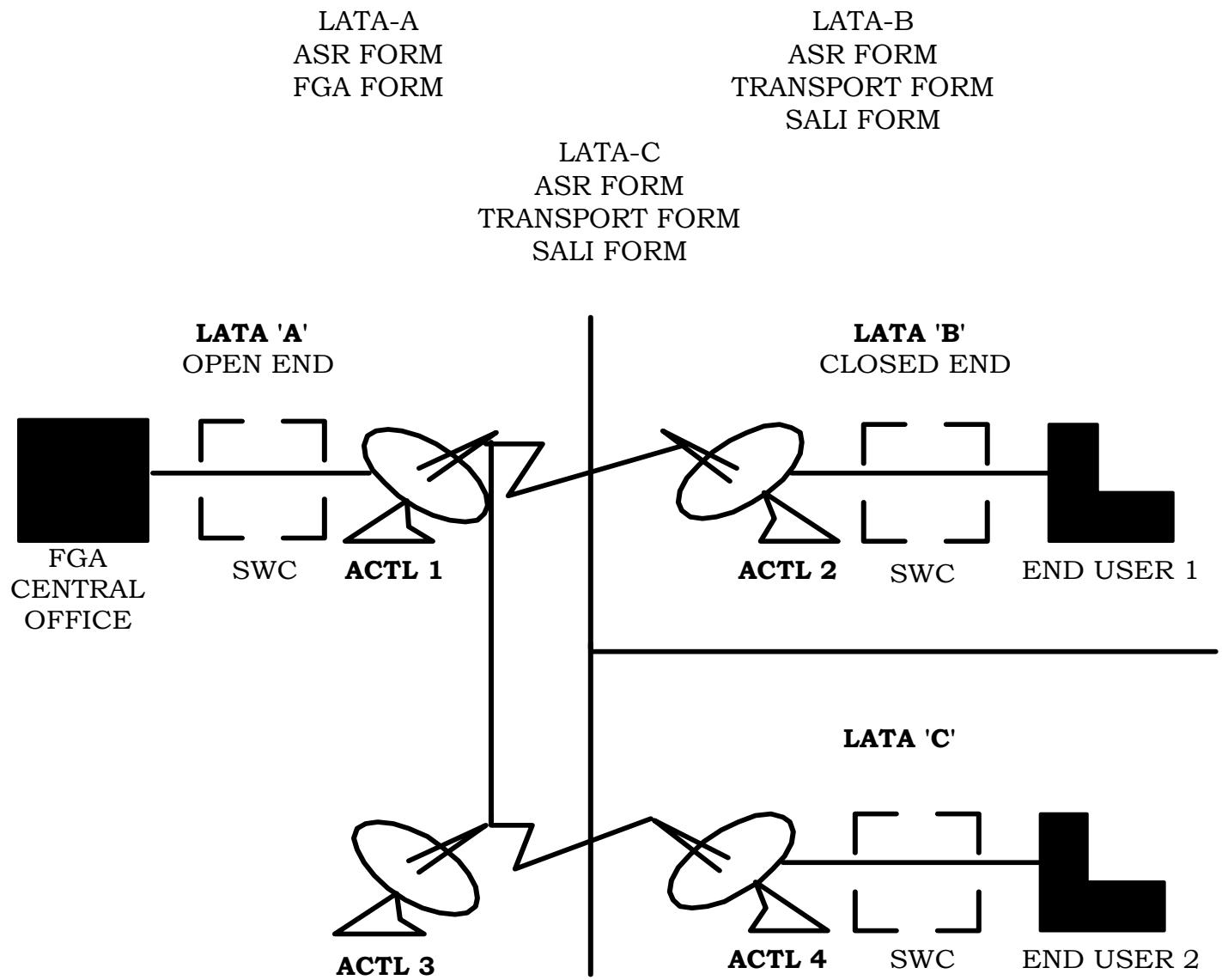
LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM



**8.2.6 FGA WITH CUSTOMER EXTENSION AND TRANSITING FACILITY IN THE FGA LATA** This configuration is basically the same as in Section 8.4 with the customer providing the transiting facility within LATA-A. This arrangement requires three (3) sets of requests:

- 1) One for the FGA in LATA-A
- 2) One for the end user location in LATA-B
- 3) One for the end user location in LATA-C

#### ORDERING REQUIREMENTS



**8.2.7 FGA WITH CUSTOMER EXTENSION AND PROVIDER PROVIDED TRANSITING FACILITY IN THE FGA LATA** This configuration is the same as in Section 8.8 with an additional requirement for an ACTL to ACTL transmitting facility within LATA-A provided as Special Access Service.

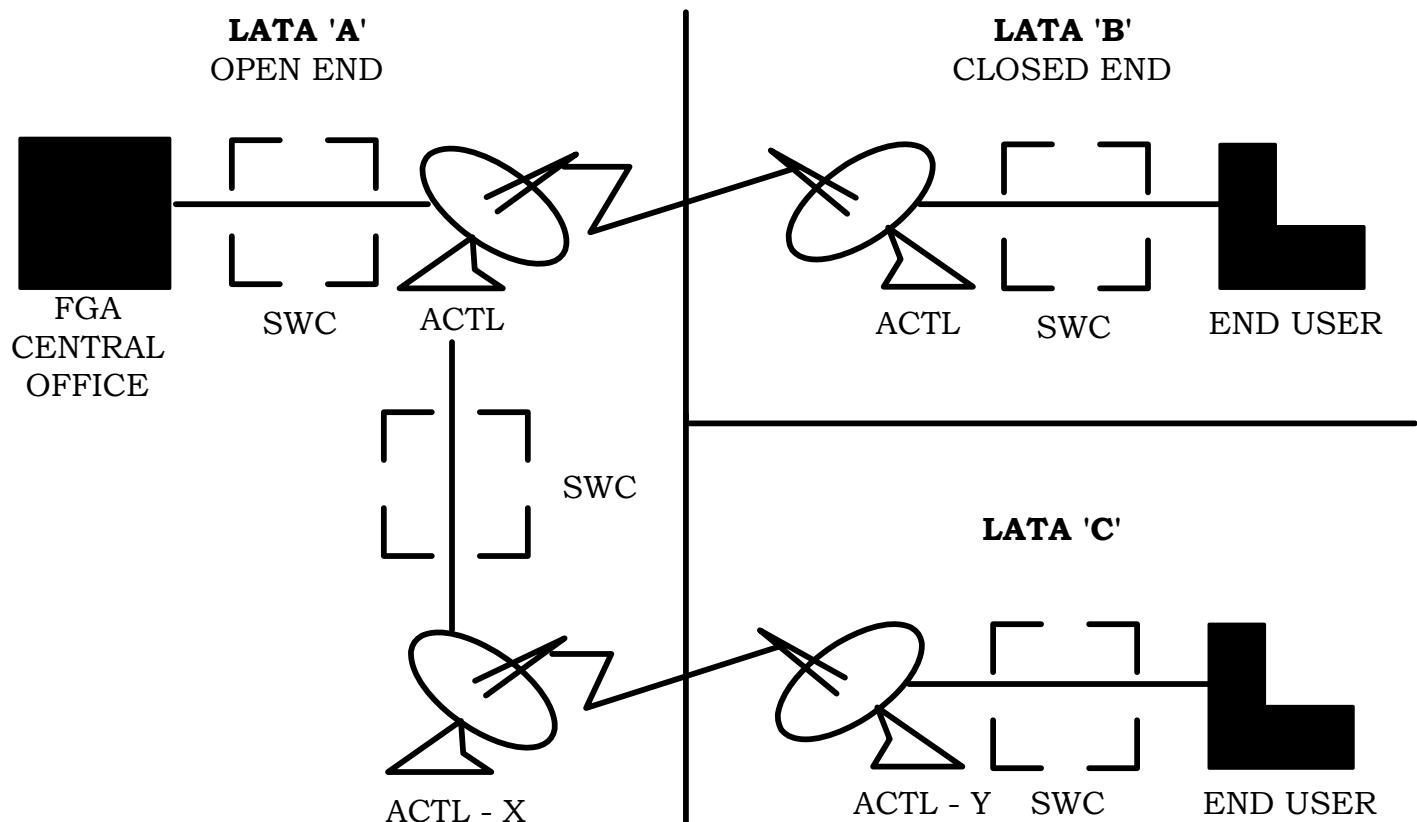
#### ORDERING REQUIREMENTS

LATA-A  
ASR FORM  
FGA FORM

LATA-A  
ASR FORM  
TRANSPORT FORM

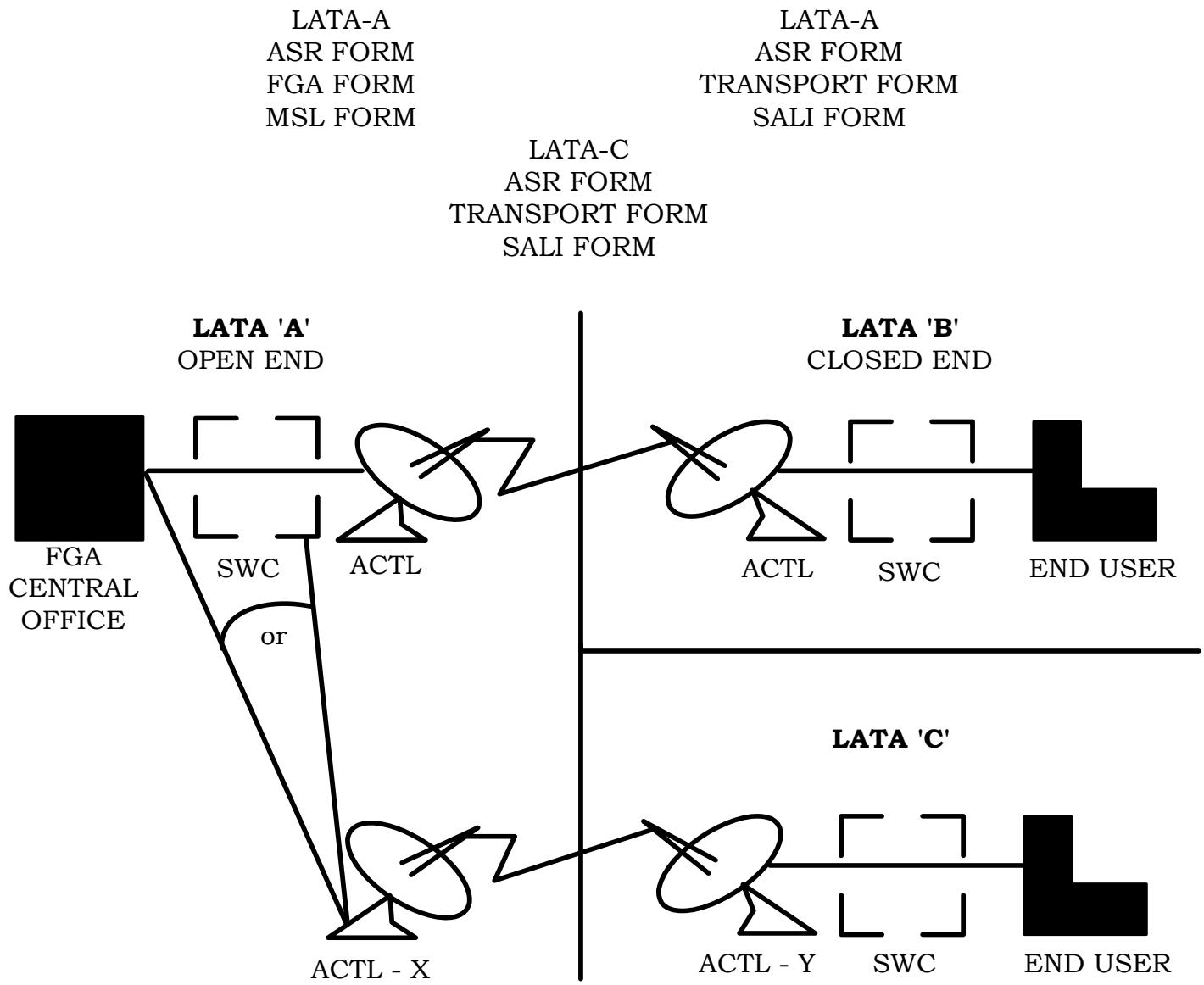
LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM

LATA-C  
ASR FORM  
TRANSPORT FORM  
SALI FORM



**8.2.8 FGA WITH PROVIDER TRANSITING FACILITY AS AN EXTENSION IN THE FGA LATA** This configuration is the same layout as in Section 8.9 with the provider providing the bridged extension off the FGA service. The customer orders to the second ACTL and the bridge location is determined by the provider. The MSL Form may be used with the Secondary Location (SECLOC) specifying the secondary customer. The SALI Form designates the Secondary Point of Termination (SPOT) specifying the secondary ACTL.

#### ORDERING REQUIREMENTS



## WATS ACCESS LINES

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	9.1
WATS ACCESS LINES (WALS) ORDERING CONFIGURATIONS	9.2
WATS ACCESS LINE	9.2.1
WATS ACCESS LINE WITH EXTENSION	9.2.2
WATS ACCESS LINE WITH INTERLATA EXTENSION	9.2.3

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 9. WATS ACCESS LINES

9.1 **GENERAL** WATS access lines are optional features of FGC or FGD switched access service; however, WALs may be ordered separately by a customer other than the customer who orders the FGC or FGD switched access service. For the WATS Access Line, the customer specifies the premises at which the WAL terminates, the type of line (i.e., two-wire or four-wire), the type of calling (i.e., originating, terminating or two way) and the type of supervisory signaling.

When the necessary screening functions are not provided at the wire center which serves the customer's originating or terminating premises, the provider will use the nearest wire center premises where the screening capacity exists.

The customer must specify that the WAL is to be provided with an extension in the same or a different LATA, if applicable. When such an extension is specified on the order, the customer must also specify either (1) the end user premises in the LATA (for an intraLATA extension) or (2) the customer's premises (for an extension in a different LATA) to which such extension is to be provided.

WAL terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of terminations depending on the type of signaling associated with the WAL. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling. Trunk side terminations are available for the forwarding of dialed number identification to the end user. These terminations use loop reverse battery or E&M type supervisory signaling. When Dialed Number Identification Service (DNIS) is ordered, all WALs in a group must be supplied with the DNIS feature.

**NOTE:** These features may not be available by all providers.

WALs may be provided as two-way service with or without screening. The NC (Network Channel) code set provides for the ordering of directionality. The BAND field entry provides for the ordering of screening capability for Interstate WALs and Intrastate WALs.

## **9.2 WATS ACCESS LINES (WALS) ORDERING CONFIGURATIONS**

WALS may be ordered between a provider central office and an end user location. The central office may be stipulated by the customer using the DTO (Dial Tone Office) field entry. The secondary location is used to identify the end user from which the service originates and terminates.

There is no Access Customer Terminal Location (ACTL) physically present on the WAL configuration being ordered. However, the ACTL is associated with the Feature Group B, C, D trunk groups which carry the WAL traffic.

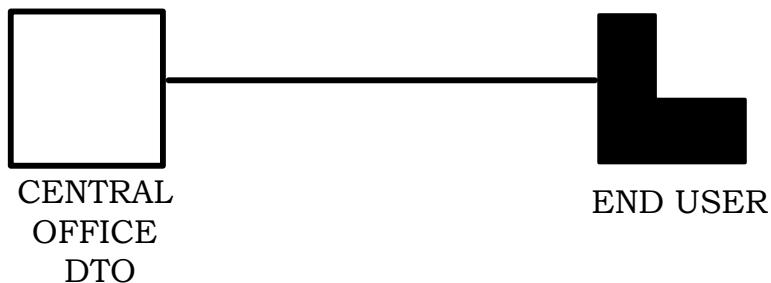
The WAL request form provides for ordering the various options offered with this feature of the Access Tariff. Non-access tariff features may also be ordered in association with the WAL by the customer through data entries using the GETO entry.

**9.2.1 WATS ACCESS LINE** This configuration depicts an access line terminated at a provider switch which provides access to Message Telephone Service (MTS).

LATA ORDERING REQUIREMENTS:

ASR FORM  
WAL FORM  
SALI FORM

**WATS ACCESS LINE**

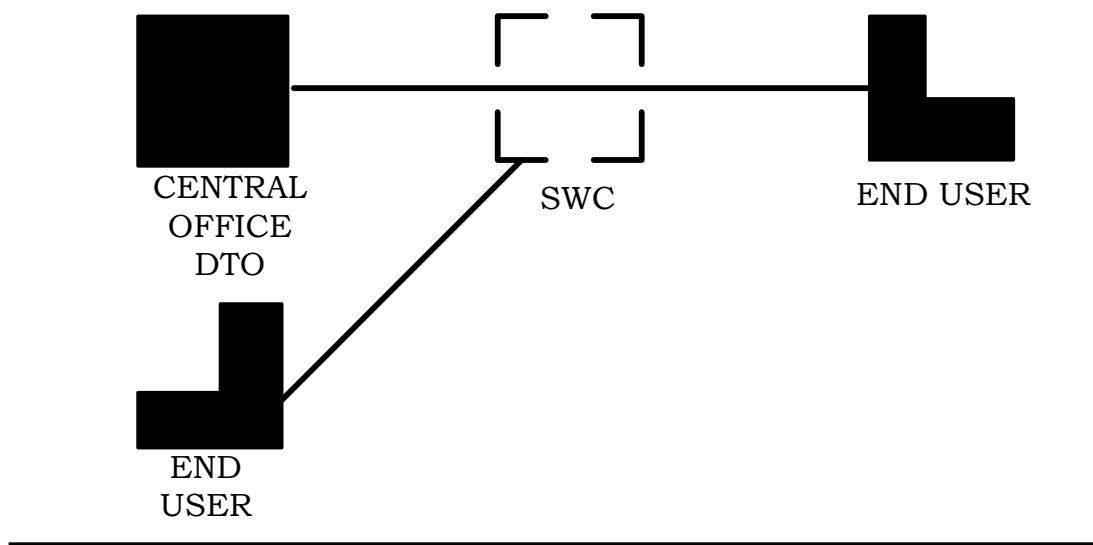


**9.2.2 WATS ACCESS LINE WITH EXTENSION** This configuration depicts a WAL service with an extension off the main service. The MSL Form in conjunction with a SALI Form is used to order the second end user location in a manner similar to Multipoint ordering.

LATA ORDERING REQUIREMENTS:

ASR FORM  
WAL FORM  
MSL FORM  
SALI FORM

**WATS ACCESS LINE  
W/EXTENSION**



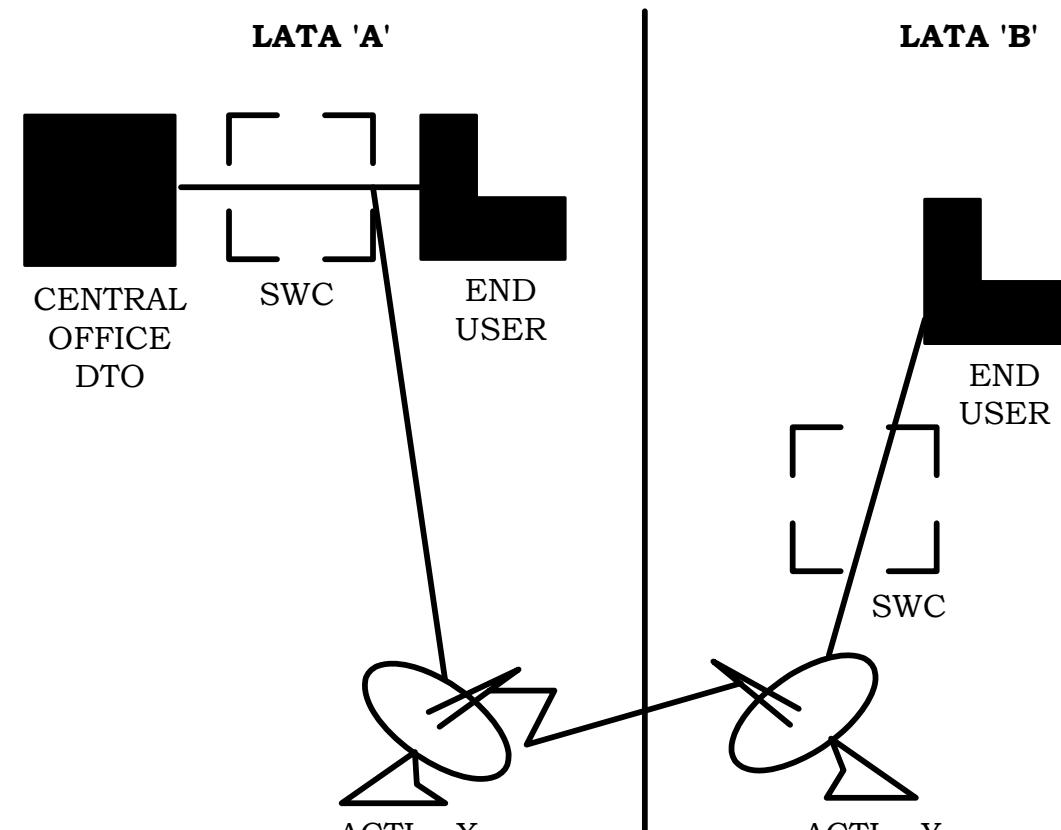
**9.2.3 WATS ACCESS LINE WITH INTERLATA EXTENSION** This configuration depicts a WAL service with an InterLATA extension. The bridging is performed by the provider selecting the most appropriate point on the circuit.

LATA ORDERING REQUIREMENTS:

LATA-A  
ASR FORM  
WAL FORM  
MSL FORM  
SALI FORM

LATA-B  
ASR FORM  
TRANSPORT FORM  
SALI FORM

**WATS ACCESS LINE W/EXT INTERLATA**



**THIS PAGE INTENTIONALLY LEFT BLANK.**

## TRUNKING

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	10.1
TRUNK ORDERING CONFIGURATIONS	10.2
FGB-C-D DIRECT ROUTED	10.2.1
FGB-C-D TANDEM ROUTED	10.2.2
FGB-C-D ALTERNATE ROUTING (ARTG)	10.2.3
FGB-C-D END OFFICE ALTERNATE ROUTING (EARTG)	10.2.4
FGD WITH SERVICE CLASS ROUTING (SCRT)	10.2.5
FGD WITH MULTIPLE CARRIER IDENTIFICATION CODES (CICs)	10.2.6
COMMON CHANNEL SIGNALING LINKS	10.3
LOCAL TRUNKING	10.4
INTRALATA TOLL TRUNKING	10.5
IXC TRUNKING	10.6
DIRECTORY ASSISTANCE TRUNKING	10.7
OPERATOR SERVICES TRUNKING	10.8
BUSY LINE VERIFICATION (BLV)/BUSY LINE INTERRUPT (BLI) TRUNKING	10.9
INFORMATION SERVICES TRUNKING	10.10
CHOKE GROUP TRUNKING	10.11
E-911 TRUNKING	10.12
UNBUNDLED DEDICATED TRUNKING	10.13
CUSTOM ROUTING TRUNKING	10.14

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 10. TRUNKING

### 10.1 GENERAL

**FEATURE GROUP B** Access, which is available to all customers, provides trunk-side access to a provider's switch with an associated uniform 950-XXXX access code, for the customer's use in originating and/or terminating a call to an access customer for InterLATA communications.

FGB is provided directly to an end office or may be provided to an access tandem. The customer must specify at the time of ordering the desired routing configuration.

FGB provides a specific dialing plan, in the originating direction, for the end user to dial 950-XXXX (X = 0 - 9) to reach the customer's network. The "XXXX" represents the Carrier Identification Code (CIC) that is maintained and assigned by ATIS' Industry Numbering Committee (INC) on behalf of the providers for the customer. The CIC is used nationally by the customer.

FGB when used in the terminating direction may be used to access valid NXXs in the LATA. When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending that tandem may be accessed.

**FEATURE GROUP C** Access, which is available only to providers of Message Telephone Service (MTS) and Wide Area Telephone Service (WATS), provides trunk-side access to provider end office or tandem switches for the customer's use in originating and terminating InterLATA communications.

FGC is provided to the customer unless FGD end office switching is provided in the same office. When FGD service is available, FGC will not be provided and existing FGC service will be converted to FGD Access.

FGC requires no access code and will transmit the telephone number dialed by the customer's end user that is a seven or ten digit number for calls in the North American Numbering Plan (NANP).

FGC when used in the terminating direction may be used to access valid NXXs in the LATA. When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending that tandem may be accessed.

**FEATURE GROUP D** Access, which is available to all customers, is provided at provider designated end office switches on a direct basis or via provider designated access tandem switches. FGD provides trunk-side access to provider end office switches with an associated uniform 10XXX/101XXXX access code for the customer's use in originating and terminating communications.

FGD provides an equal access dialing plan to all customers. Customers can reach their customer by dialing 1+ or 10XXX/101XXXX. The XXX/XXXX represents the access customer's CIC and may be the same CIC as FGB.

FGD trunks are differentiated by the type and directionality of traffic carried over them. There are three major traffic types:

- ORIGINATING TRAFFIC type represents access capacity within a LATA for carrying traffic from the end user to the customer. This may further be defined as Domestic, NY Service Access Codes (e.g. 5YY, 8YY, and 9YY), Operator and International. The customer must specify the type of access capacity when ordering the FGD service:

- DD traffic type represents access capacity for carrying only domestic traffic other than 5YY, 8YY, 9YY and operator traffic.
- ID traffic type represents access capacity for carrying only international traffic.
- 50, 80, 90 and OP traffic type represent access capacity for carrying respectively only 5YY, 8YY, 9YY or Operator Traffic.
- OT traffic type represents a combination of originating traffic types.

- TERMINATING TRAFFIC type represents access capacity within a LATA for carrying traffic from the customer to the end user.
- DIRECTORY ASSISTANCE TRAFFIC type represents access capacity within a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location.

FGD, when used in the terminating direction, may be used to access valid NXXs in the LATA. When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending that tandem may be accessed.

**LOCAL TRUNKING** Local trunking is available to all CLECs and ILECs between ICEC switches and a CLEC point of interconnection. Local trunks are differentiated by the type and directionality of traffic carried over them. The following represent the major types of local trunking:

- Local Trunking
- Intra-LATA Toll Trunking
- IXC Trunking
- Directory Assistance Trunking
- Operator Services Trunking
- Busy Line Verification/Interrupt Trunking
- Information Services Trunking
- Choke Group Trunking
- Unbundled Dedicated Trunking
- Custom Routing Trunking

**COMMON CHANNEL SIGNALING (CCS) LINKS** A signaling link consists of signaling terminal equipment and a signaling data link (transmission facility). It is used for transport of signaling information between signaling points.

**10.2 TRUNK ORDERING CONFIGURATIONS** Feature Group B, C, D or Local is ordered between a customer's terminal location and a provider's central office providing the trunk-side termination. The provider's central office may be a Class 5 end office or a local tandem central office with common trunking (shared) arrangements to subtending end offices.

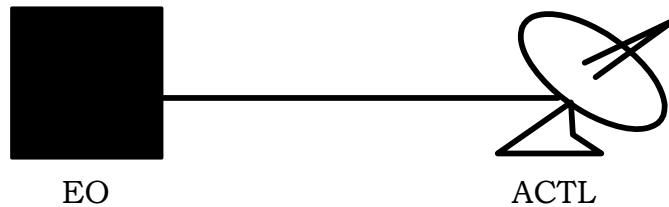
Feature Group B, C, D and Local requests are differentiated by the specification of a NC (Network Channel) code on the Trunking Request Form. The NC code is comprised of four characters with the last character designating the feature group and some allowable options.

The following configurations are "high level" in presentation and not meant to depict all companies' requirements. Refer to Section 7 for Local Transport Restructure (LTR) requirements.

**10.2.1 FGB-C-D DIRECT ROUTED** This configuration depicts trunk-side switched access service ordered between an ACTL and a provider end office. The fourth position of the NC code differentiates between Feature Groups B, C and D.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM

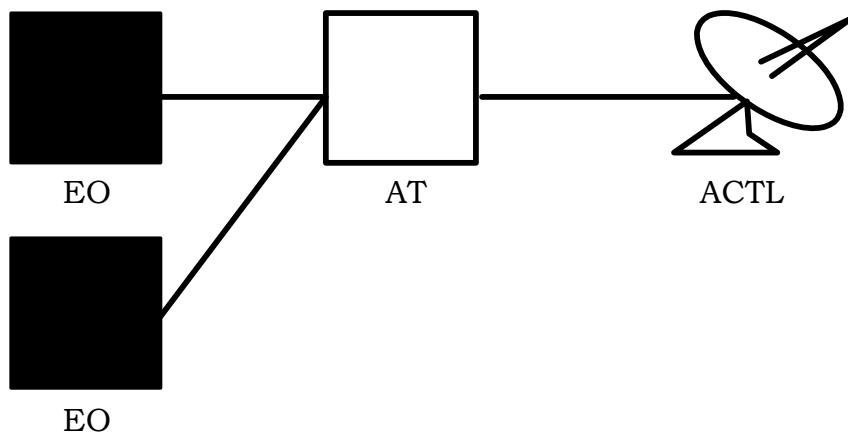


**10.2.2 FGB-C-D TANDEM ROUTED** This configuration depicts trunk-side switched access service ordered between an ACTL and a provider access tandem switch. Trunking between the end offices and the access tandem is provisioned based upon the aggregate requirements of all the customers providing InterLATA service through the access Tandem.

The fourth position of the NC code differentiates between Feature Groups B, C and D.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM

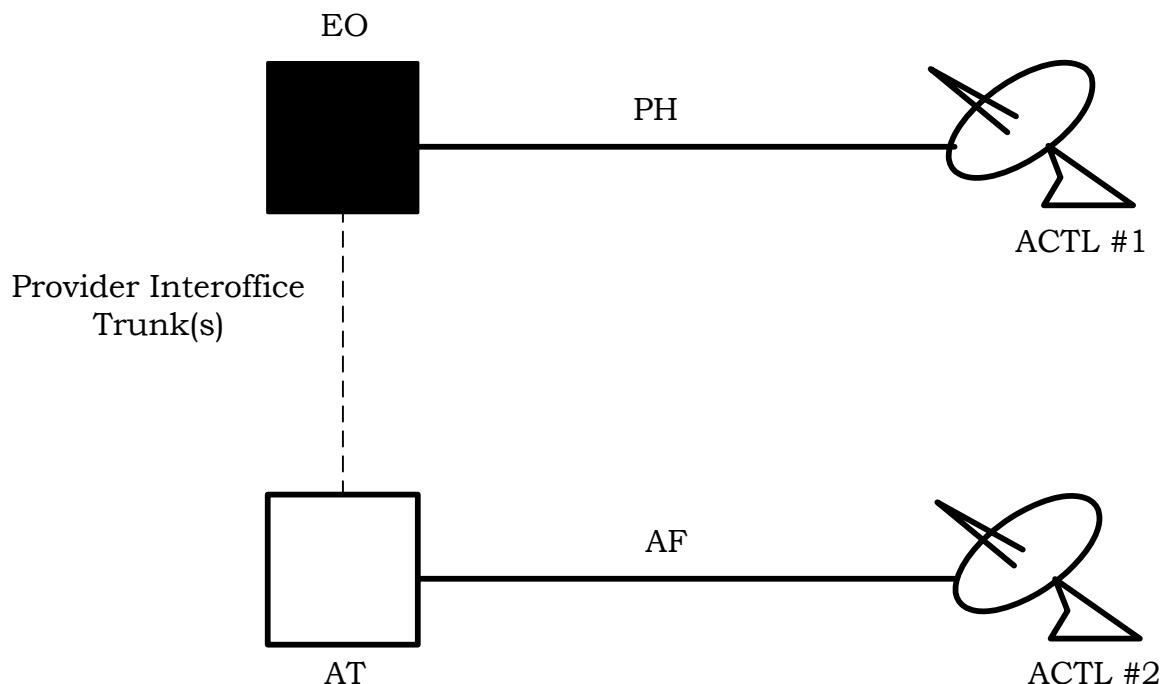


**10.2.3 FGB-C-D ALTERNATE ROUTING (ARTG)** This configuration depicts two ACTL locations; one with a direct end office trunk group Primary High (PH) and one with a tandem trunk group Alternate Final (AF). This option will allow originating overflow traffic to be directed from the PH trunk group to the AF trunk group. Two ASRs are required to provision this configuration, one for the PH and one for AF route, with each being related to the other.

LATA ORDERING REQUIREMENTS:

END OFFICE ROUTED (PH)  
ASR FORM  
TRUNKING FORM

TANDEM ROUTED  
ASR FORM  
TRUNKING FORM

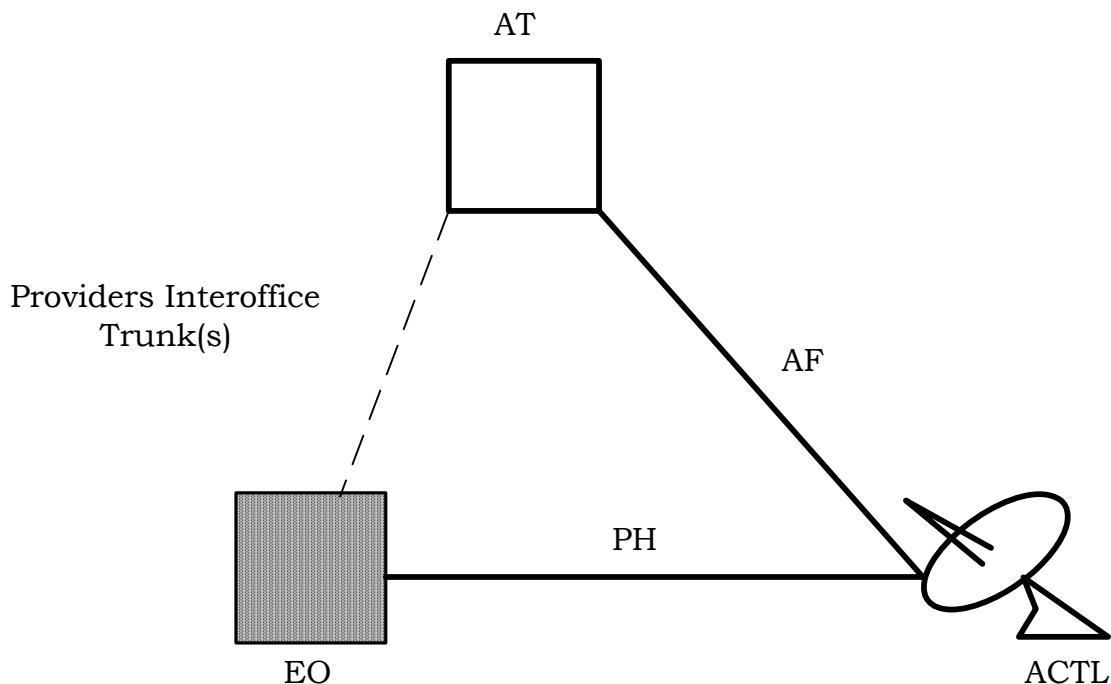


**10.2.4 FGB-C-D END OFFICE ALTERNATE ROUTING (EARTG)** This configuration depicts one ACTL with trunk groups to the same end office. One trunk group, Primary High (PH) is routed direct to the end office and the other trunk group; Alternate Final (AF) is routed via the Tandem. The EARTG routes originating overflow traffic, from the direct group (PH) to the tandem group (AF), via the common transport provider interoffice trunks. Two ASRs are required to provision this configuration, one for the PH and one for the AF route, with each being related to the other.

LATA ORDERING REQUIREMENTS:

END OFFICE ROUTED (PH)  
ASR FORM  
TRUNKING FORM

TANDEM ROUTED  
ASR FORM  
TRUNKING FORM

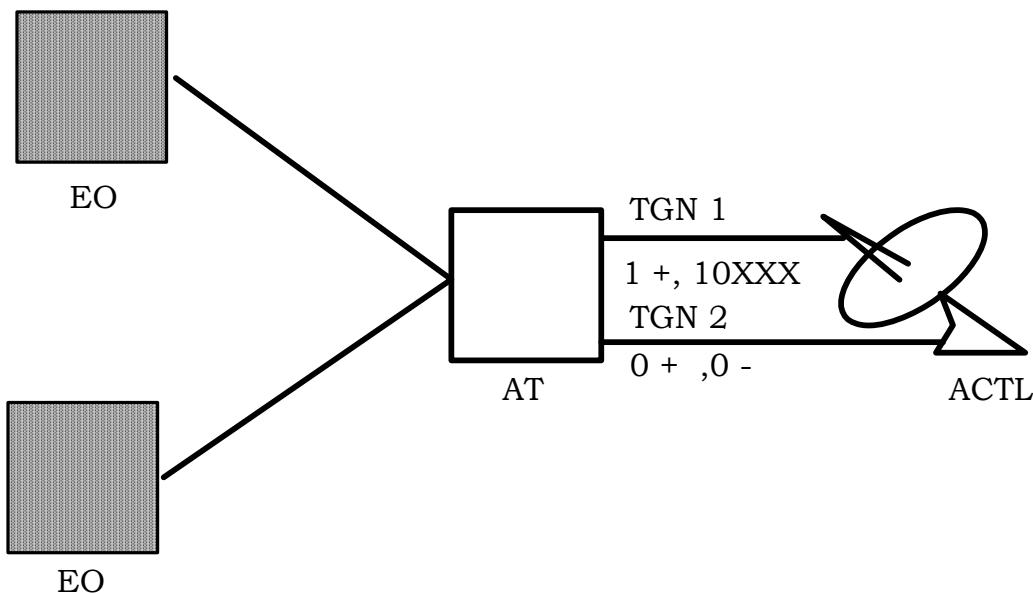


**10.2.5 FGD WITH SERVICE CLASS ROUTING (SCRT)** This configuration depicts one ACTL location with two tandem trunk groups. Each Trunk Group has specified types of traffic routed to it. This option will allow the customer to direct or block originating traffic based on traffic type. This option is ordered using the SCRT field on the Trunking Form and the routing matrices on the TQ Form.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM

ASR FORM  
TRUNKING FORM

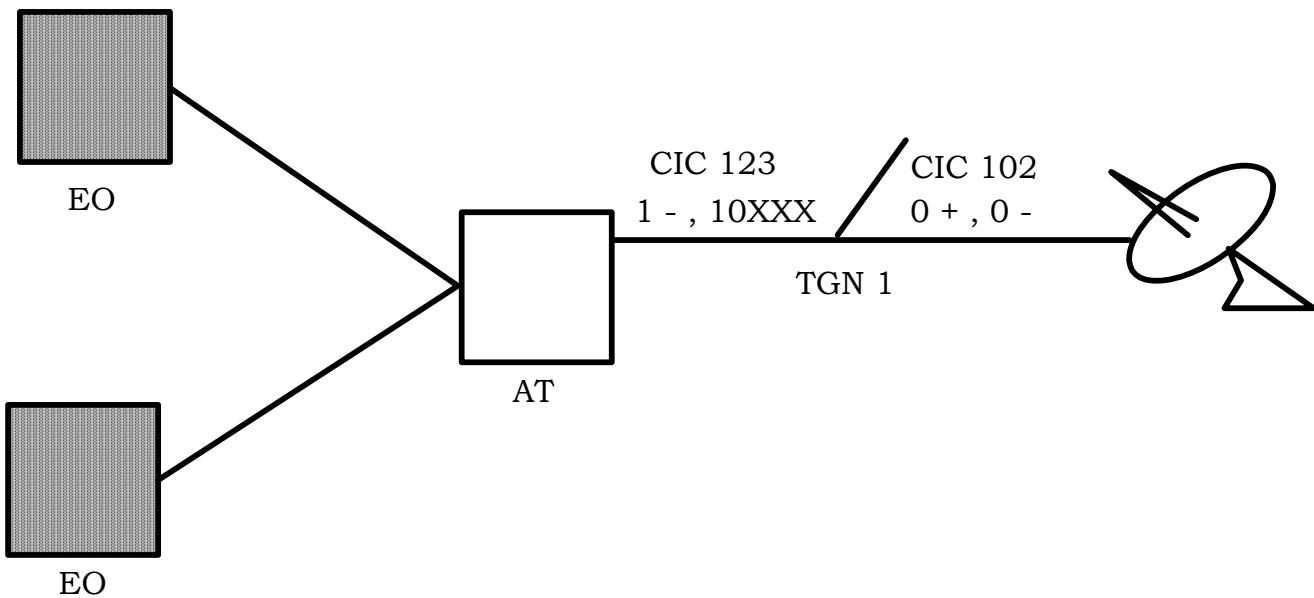


**10.2.6 FGD WITH MULTIPLE CARRIER IDENTIFICATION CODES (CICs)** This configuration depicts an ACTL location with one tandem trunk group with more than one CIC code assigned. Different traffic types are assigned to different CIC codes. This option will allow the customer to direct or block originating traffic based on the CIC code. This option is ordered using the CIC field and the SCRT field on the Trunking Form and the routing matrices on the TQ Form.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM

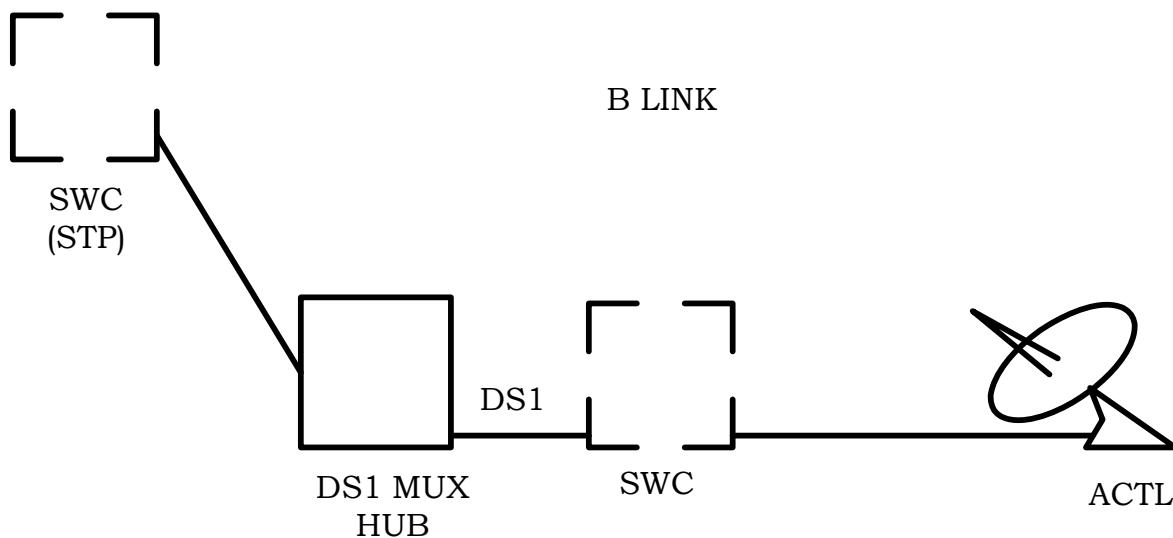
ASR FORM  
TRUNKING FORM  
TQ FORM



**10.3 COMMON CHANNEL SIGNALING LINKS** This configuration depicts an CCS “B” Link provided between a Signaling Point of Interface (SPOI) at an ACTL and the provider Signaling Transfer Point (STP) at a central office. The CCS “B” Link is provisioned as a subrated circuit of a DS1 multiplexed system.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM



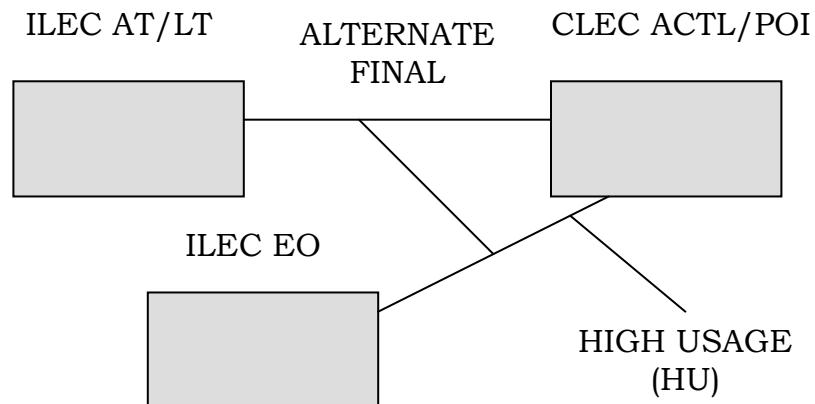
---

NOTE 1: Signaling Point of Interface is defined by the CUSTOMER SWITCH LOCATION (CSL) and CUSTOMER SWITCH TYPE (CST) fields on the Trunking Form, ATIS-0404004

**10.4 LOCAL TRUNKING** This configuration depicts a trunk group carrying local traffic from a CLEC's ACTL/POI to an ILEC end office and/or on ILEC's ACCESS, or local tandem. Local traffic is based on the CLEC NPA/NXX and the rate center based on existing ILEC arrangements. The EO trunks group may be either HU or DF. Tandem trunks groups will be either an AF or DF group. These trunk groups can be 2W, one way from customer to provider.

ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM

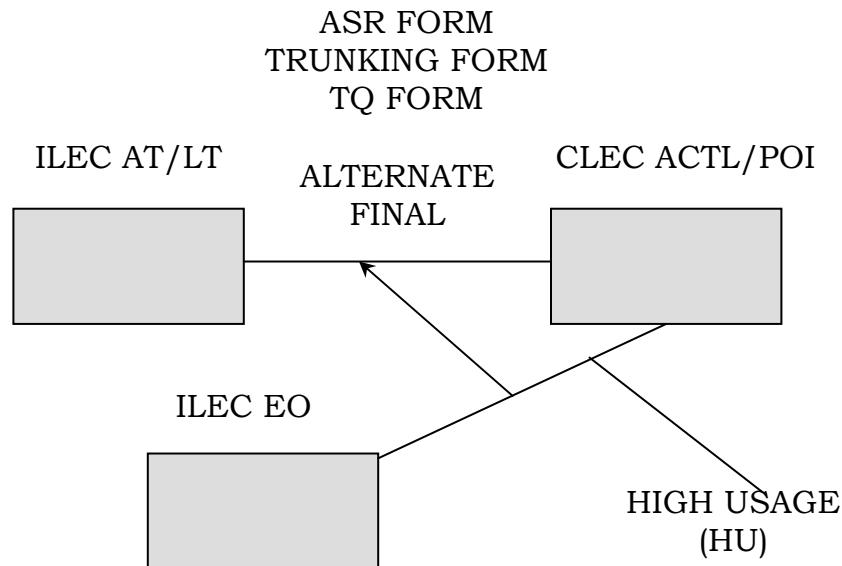


DATA ELEMENTS:

ASR Form: REQTYP=MD	Trunking Form: TRFTYP=LL, or LT	TQ Form: TG ACT
	TTT	TGTYP
	CIC	DIR
	TRN	TK SEQ
	TCIC	TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

**10.5 INTRA - LATA TOLL TRUNKING** This is identical to 10.10 with the exception of billing. These calls are toll calls leased on the CLECs NPA/NXX via the ILEC rate center.

## ORDERING REQUIREMENTS:



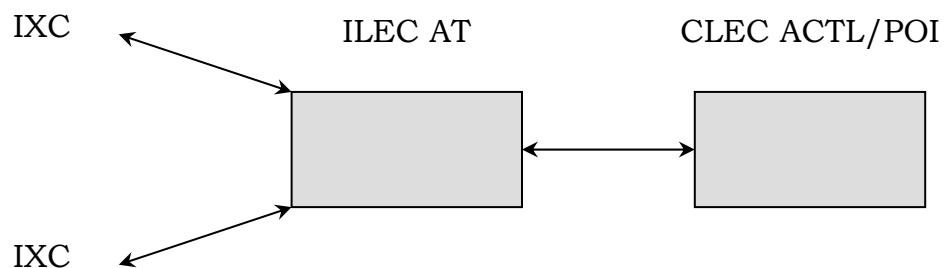
## DATA ELEMENTS:

ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP=AT, LI or LT	TGTYP
	CIC	DIR
	TRN	TK SEQ
	TCIC	TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

**10.6 IXC TRUNKING** This is a two way trunk group ordered by the CLEC. The purpose of the group is to reach and be reached by IXCs. The CLECs NPA/NXX must subtend the ILECs Access Tandem. A CLEC needs a trunk group to every Access Tandem that they have an NPA/NXX rate centered on.

**ORDERING REQUIREMENTS:**

ASR FORM  
TRUNKING FORM  
TQ FORM



**DATA ELEMENTS:**

ASR Form: REQTYP=MD	Trunking Form: TTT TRFTYP CIC TRN TCIC	TQ Form: TG ACT TGTYP DIR TK SEQ TK SIG CIC COIN EA GLARE ROUTING MATRIX
------------------------	---	---

**10.7 DIRECTORY ASSISTANCE TRUNKING** This is a one way trunk group from a CLECs POI/ACTL to an ILEC Directory Assistance Tandem. Terms and conditions are based on either tariff or contract. These DA Tandems are listed in the Local Exchange Routing Guide (LERG). The calls from a CLEC's end user are typically 411 or 555-1212.

**ORDERING REQUIREMENTS:**

ASR FORM  
TRUNKING FORM  
TQ FORM



**DATA ELEMENTS:**

ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TRFTYP=DA or DC	TG ACT
	CIC	TGTYP
	TRN	DIR
	TCIC	TK SEQ
		TK SIG
		CIC
		ROUTING MATRIX

**10.8 OPERATOR SERVICES TRUNKING** This is a one way trunk group from a CLEC's POI/ACTL to an ILEC operator services tandem. Terms and conditions are based on either tariffs or contracts. These operator services tandems are listed in the national Local Exchange Routing Guide (LERG). These calls from a CLEC's end user are typically 0.

**ORDERING REQUIREMENTS:**

ASR FORM  
TRUNKING FORM  
TQ FORM



**DATA ELEMENTS:**

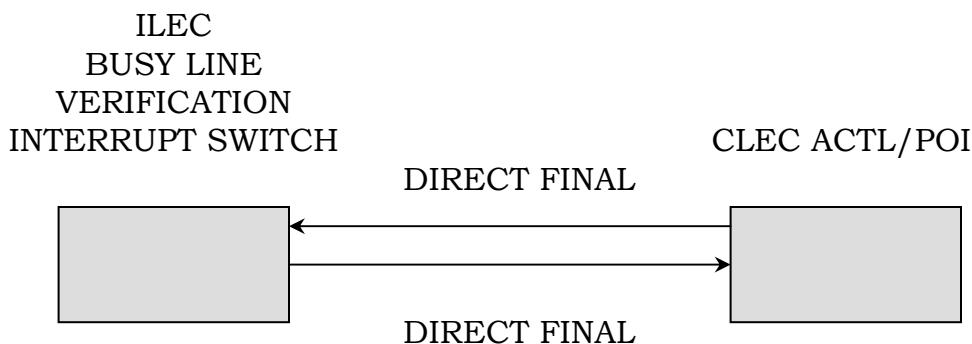
ASR Form: REQTYP=MD	Trunking Form: TTT TRFTYP=OP CIC TRN TCIC	TQ Form: TG ACT TGTYP DIR TK SEQ TK SIG CIC COIN EA ROUTING MATRIX
------------------------	--	--

## 10.9 **BUSY LINE VERIFICATION (BLV)/BUSY LINE INTERRUPT (BLI) TRUNKING**

This is a trunk group to connect the operator of one party to the operator of another party. These are one way trunk groups between a CLEC's POI/ACTL and an ILEC's BLV/BLI switch location.

### ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM



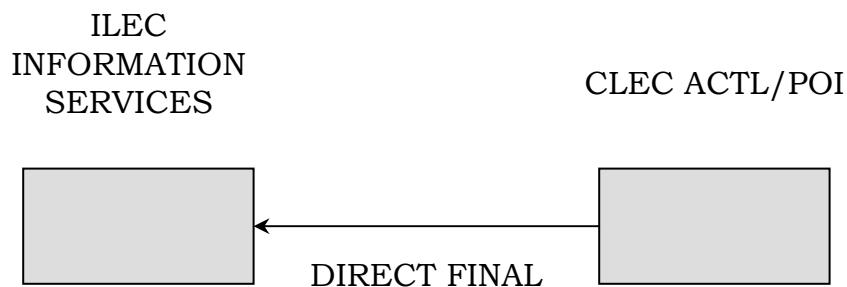
### DATA ELEMENTS:

ASR Form: REQTYP=MD	Trunking Form: TTT TRFTYP=VR CIC TRN	TQ Form: TG ACT TGTYP DIR TK SEQ TK SIG CIC COIN EA ROUTING MATRIX
------------------------	--	--

**10.10 INFORMATION SERVICES TRUNKING** This is a one way trunk group which connects the end user of a CLEC to the information service provider (example: 976 calls) of an ILEC. The Information Service Office location is typically an ILEC's end office switch.

**ORDERING REQUIREMENTS:**

ASR FORM  
TRUNKING FORM  
TQ FORM



**DATA ELEMENTS:**

ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP	TGTYP
	CIC	DIR
	TRN	TK SEQ
	TCIC	TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

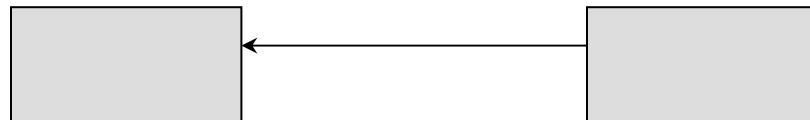
**10.11 CHOKE GROUP TRUNKING** This is a one way trunk group from a CLEC to an ILEC which carries calls that the CLEC has decided to choke. Most switches today can perform this function in software which means this group may not be required.

**ORDERING REQUIREMENTS:**

ASR FORM  
TRUNKING FORM  
TQ FORM

ILEC AT/LT

CLEC ACTL/POI



**DATA ELEMENTS:**

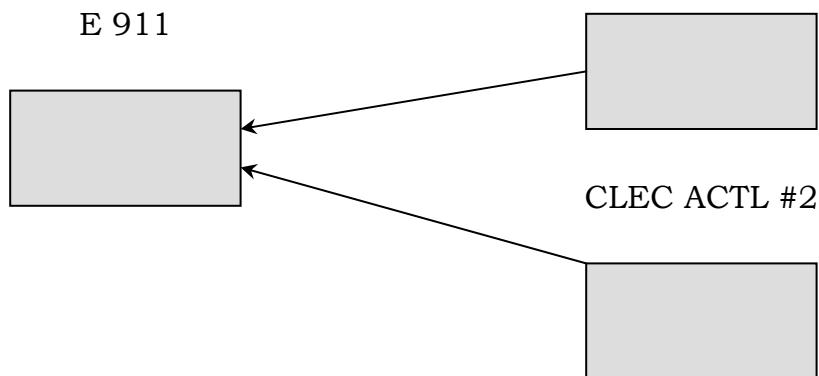
ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP=CH	TGTYP
	CIC	DIR
	TRN	TK SEQ
	TCIC	TK SIG
		CIC
		COIN EA
		ROUTING MATRIX

**10.12 E-911 TRUNKING** This is a one way trunk group from a CLEC end user to an E911 tandem. Their trunk groups are typically small. Most companies, local, and/or state governments require that the CLEC provide a diverse trunk group from a 2<sup>nd</sup> location.

ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM

CLEC ACTL #1



DATA ELEMENTS:

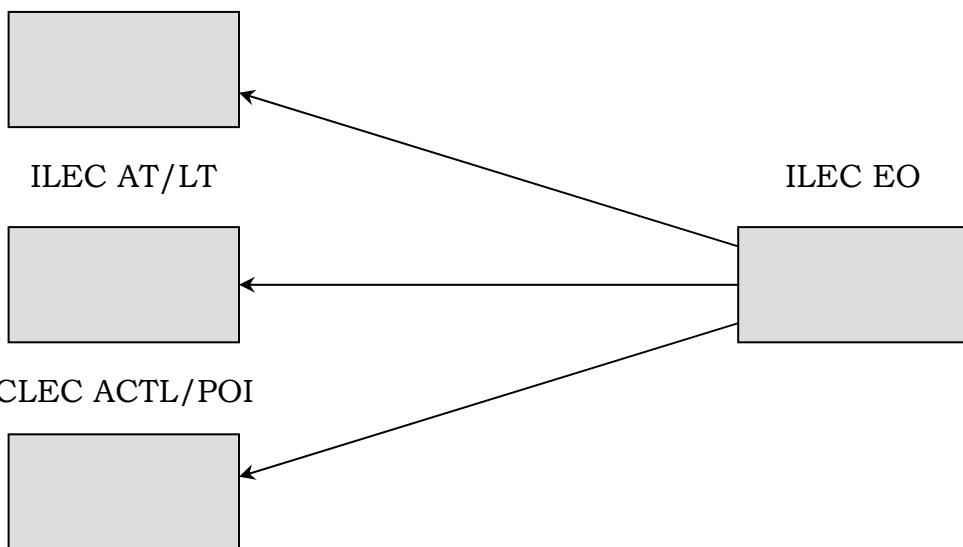
ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP=E9	TGTYP
	CIC	DIR
		TK SEQ
		TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

**10.13 UNBUNDLED DEDICATED TRUNKING** This is a one way trunk group from an ILEC's end office to either the CLEC's POI or to the ILEC's AT/LT or EO switch. These groups are ordered and under the control of the CLEC. These groups connect to unbundled switch ports ordered by the CLEC. Calls sent to an ILEC's AT/LT are completed on the ILEC's message trunking network.

ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM

ILEC EO



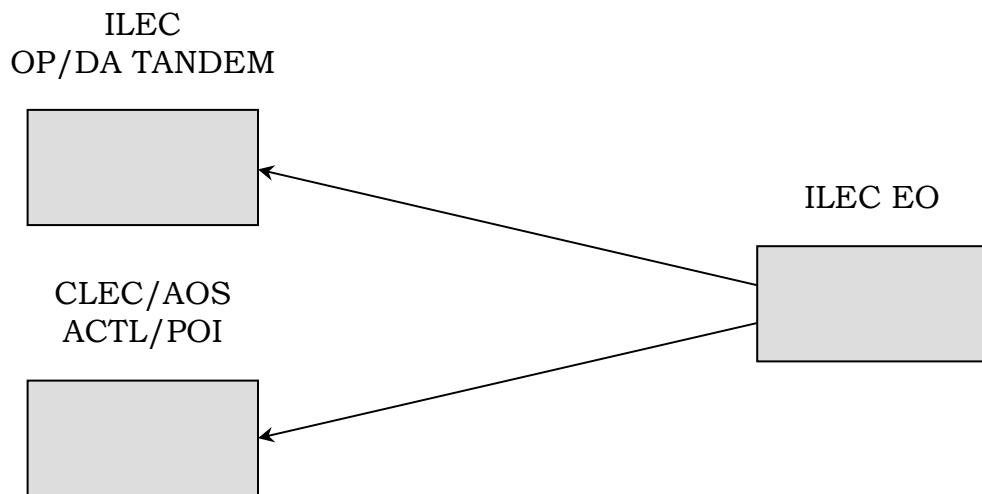
DATA ELEMENTS:

ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
PLSI	TRFTYP	TGTYP
PSL	CIC	DIR
UNE =Y		TK SEQ
		TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

**10.14 CUSTOM ROUTING TRUNKING** This is a one way trunk group from an ILEC end office to an ILEC OP/DA Tandem or a CLEC ACTL/POI. This trunk group may connect either unbundled switch ports or re-sold lines of an ILEC to a CLEC. These calls are 0 -, 0 + local, 411 and 555-1212.

ORDERING REQUIREMENTS:

ASR FORM  
TRUNKING FORM  
TQ FORM



DATA ELEMENTS:

ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP	TGTYP
	CIC	DIR
	TRN	TK SEQ
	TCIC	TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

## TRANSPORT SERVICE

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	11.1
SPECIAL ACCESS ORDERING CONFIGURATIONS	11.2
TWO POINT SPECIAL ACCESS	11.3
SPECIAL ACCESS TERMINATING ON A CENTREX	11.4
MULTIPOINT SERVICE	11.5
THRU-CONNECTS - GENERAL	11.6
TWO POINT THRU-CONNECT	11.7
MULTIPOINT THRU-CONNECT	11.8
CASCADING MULTIPLEXING	11.9
DEDICATED NETWORK ACCESS LINE (DNAL) - GENERAL	11.10
DNAL DEDICATED NETWORK ACCESS LINK	11.11
UNBUNDLED ORDERING CONFIGURATIONS	11.12
UNBUNDLED MULTIPLEXER 1/0	11.13
UNBUNDLED MULTIPLEXER 3/1	11.14
COLLOCATION TO COLLOCATION (SAME CENTRAL OFFICE)	11.15
COLLOCATION TO COLLOCATION (DIFFERENT CENTRAL OFFICE)	11.16
PHYSICAL COLLOCATION TO CLEC POI	11.17
VIRTUAL COLLOCATION TO CLEC POI	11.18
CLEC POI TO CLEC POI	11.19

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **11. TRANSPORT SERVICE**

### **11.1 GENERAL**

Special Access (SA) service is generally ordered between an Access Customer Terminal Location (ACTL) and an end user location. However, SA service may be ordered between two ACTLs (same or different customer) or to a Central Office (e.g., Hi-Cap or Wideband channels) or to a provider edge device.

Special Access service provides a transmission path to connect customer designated premises\*, either directly or through a provider Hub where bridging or multiplexing functions are performed. Special Access service includes all exchange access not utilizing provider end office switches.

The connections provided by Special Access service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

Unbundled Network Elements (UNE) service is generally ordered between two ACTLs (same or different customers). However, UNE service may be ordered between an ACTL and an end user location. From an ordering perspective, the fields required for ordering UNE Transport will be the same as those used for the same type of service ordered as Access Service with the exception of the addition of the UNE field on the ASR being populated for all unbundled orders.

For Unbundled Ordering and definition see Section 11.12.

## 11. TRANSPORT SERVICE continued

### 11.1 GENERAL continued

**Channel Types** There are numerous types of channels used to provide Special Access services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

Customers can order a basic channel and select, from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

---

\* AP C.O. CENTREX-like switches, Packet Switches included in Public Packet Switching Network (PPSN) service and AP Answering Service Concentrators are considered to be customer premises for purposes of administering regulations and rates.

**11.2 SPECIAL ACCESS ORDERING CONFIGURATIONS** Special Access within the LATA is ordered between an ACTL (primary location) and:

- an end user location (SECLOC)
- a provider edge device
- another ACTL
- a provider Central Office for bridging, multiplexing or for termination in CENTREX switch

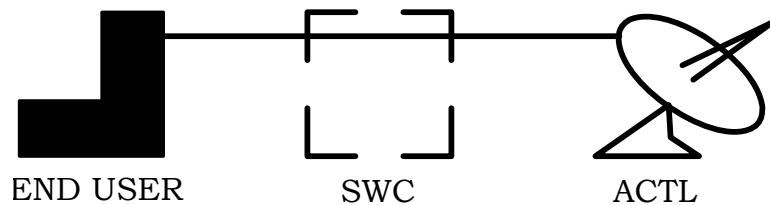
For ordering purposes, a CENTREX switch is treated as a provider end office termination.

**11.3 TWO POINT SPECIAL ACCESS** An example of a typical configuration is with ACTL to end user connections.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
SALI FORM

EXAMPLE 1:

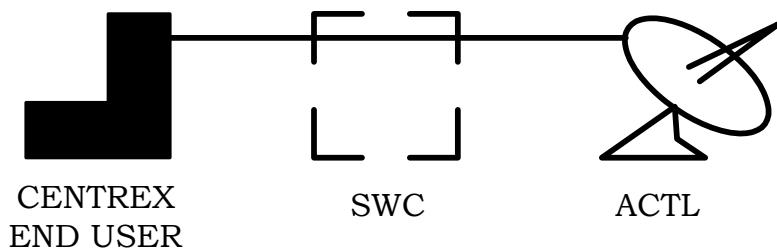


**11.4 SPECIAL ACCESS TERMINATING ON A CENTREX** This special access configuration is a typical tie trunk operation off a CENTREX.

Provider receives the ASR and TRANSPORT Forms. The CENTREX order may be negotiated with the provider representative who handles the CENTREX account or the rep who handles ASR negotiations. The customer negotiating with the provider would obtain a CENTREX service order number and enter that service order number on the ASR in the RORD field indicating that the CENTREX termination has been negotiated.

LATA ORDERING REQUIREMENTS  
FOR CENTREX TERMINATION

ASR FORM  
TRANSPORT FORM

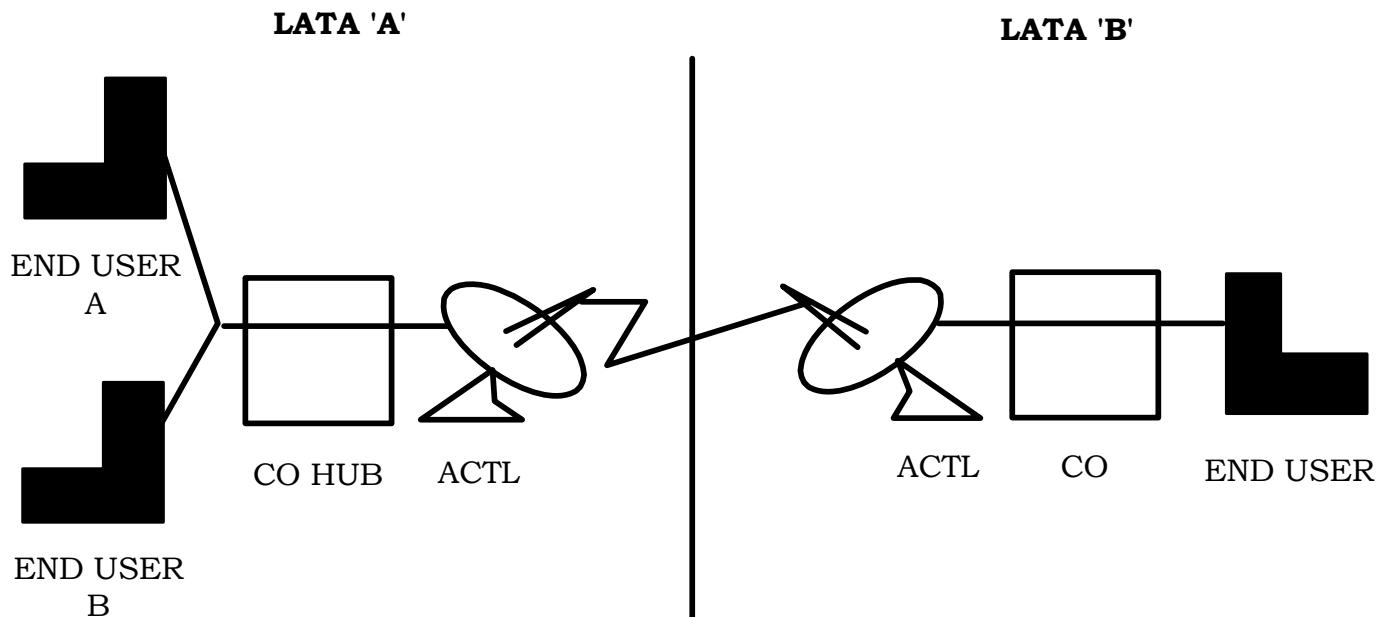


**11.5 MULTIPONT SERVICE** This configuration describes a multipoint access service. The request is comprised of an ASR, TRANSPORT, two (2) Multipoint Service Leg (MSL) Forms and two (2) SALI Forms. An MSL Form is used to order from the bridge to each end user location.

LATA ORDERING REQUIREMENTS:

LATA-A  
ASR FORM  
TRANSPORT FORM\*  
(2) MSL FORMs  
(2) SALI FORMs

LATA-B  
ASR FORM  
TRANSPORT FORM  
(2) SALI FORMs



\* CKLT on the TRANSPORT Form is used to specify the HUB for bridging of the end user locations shown here. Additional bridging locations can be ordered using separate MSL Forms.

**11.6 THRU-CONNECTS - GENERAL** A Thru-Connect configuration is one which utilizes the channels of two or more Hi-Cap facilities. These channels are cross connected within one or more provider central offices for the purpose of connecting the Hi-Cap facilities at a circuit level (see Example X). A Thru-Connect is ordered as a two-point Special Access (see Example X) or as a leg on a multi-point Special Access service (see Example Y).

**11.7 TWO POINT THRU-CONNECT** The ordering requirements for a two-point Thru-Connect are as follows (see Example X for illustration):

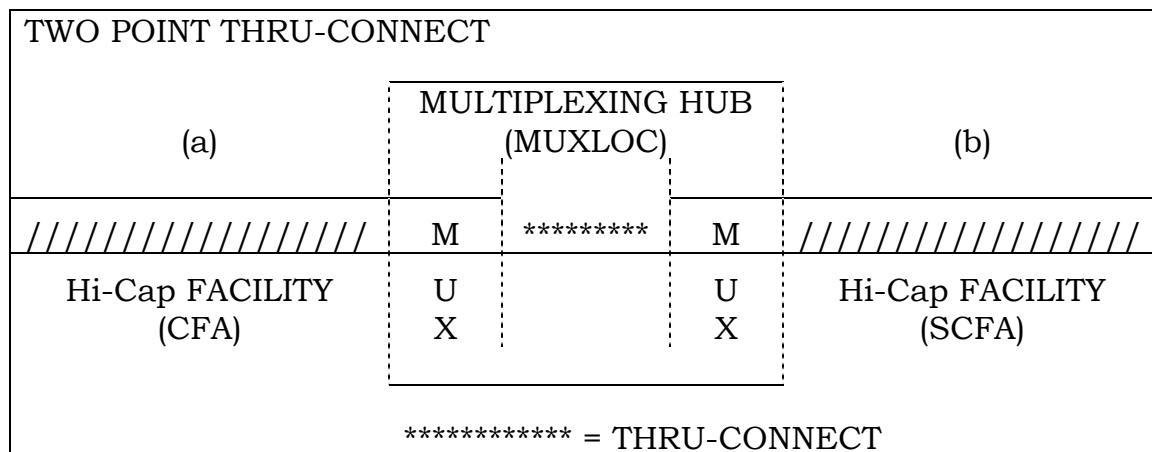
ORDERING FORM:	FIELDS USED SPECIFICALLY FOR A THRU-CONNECT CONFIGURATION ARE:	
TRANSPORT	CFA	- Identifies the channel(s) of the multiplexed Hi-Cap facility being utilized for the "a" connection in the provider central office (or HUB). This CFA is associated with the ACTL specified on the ASR Form.
TRANSPORT	SCFA	- Identifies the channel(s) of the multiplexed Hi-Cap facility being utilized for the "b" connection in the provider central office (or HUB). This SCFA is associated with the location specified in the SECLOC and SPOT fields.
TRANSPORT	MUXLOC	- Identifies the multiplexing location in which the Hi-Cap facility associated with the CFA terminates and in which the Thru-Connect may be cross connected. The MUXLOC CLLI code is the HUB location identified in the CFA.
TRANSPORT	SMUXLOC	- Identifies the multiplexing location in which the Hi-Cap facility associated with the SCFA terminates, and in which the Thru-Connect may be cross-connected.

## 11.7 TWO POINT THRU-CONNECT (CONTINUED)

- |           |        |   |
|-----------|--------|---|
| TRANSPORT | SECLOC | - Identifies the secondary location associated with the SCFA. This is usually a secondary ACTL and as such the CLLI code for this location should be shown in the SPOT field. |
| TRANSPORT | SPOT   | - Identifies the SECLOC CLLI code when the SECLOC is a secondary ACTL.  |

## 11.7 TWO POINT THRU-CONNECT (CONTINUED)

EXAMPLE X:



**11.8 MULTIPONT THRU-CONNECT** The ordering requirements for a multipoint Thru-Connect are as follows (see Example Y for illustration):

ORDERING FORM: FIELDS USED SPECIFICALLY FOR A THRU-CONNECT CONFIGURATION ARE:

TRANSPORT	CFA	- Identifies the channel(s) of the multiplexed Hi-Cap facility being utilized for the "a" connection in the provider central office (or HUB). This CFA is associated with the ACTL specified on the ASR Form.
TRANSPORT	MUXLOC	- Identifies the multiplexing location in which the multiplexed Hi-Cap facility associated with the CFA terminates and in which the Thru-Connect may be cross connected. The MUXLOC CLLI code is the HUB location identified in the CFA field.
TRANSPORT	SMUXLOC	- Identifies the multiplexing location in which the multiplexed Hi-Cap facility associated with the SCFA terminates, and in which the Thru-Connect may be cross connected.
TRANSPORT	CKLT	- Identifies the first point of bridging for the multipoint service. The CLLI code for the bridge location may be the same as the CLLI code for the multiplexing location specified in the MUXLOC or SMUXLOC field or the CLLI codes may be different.

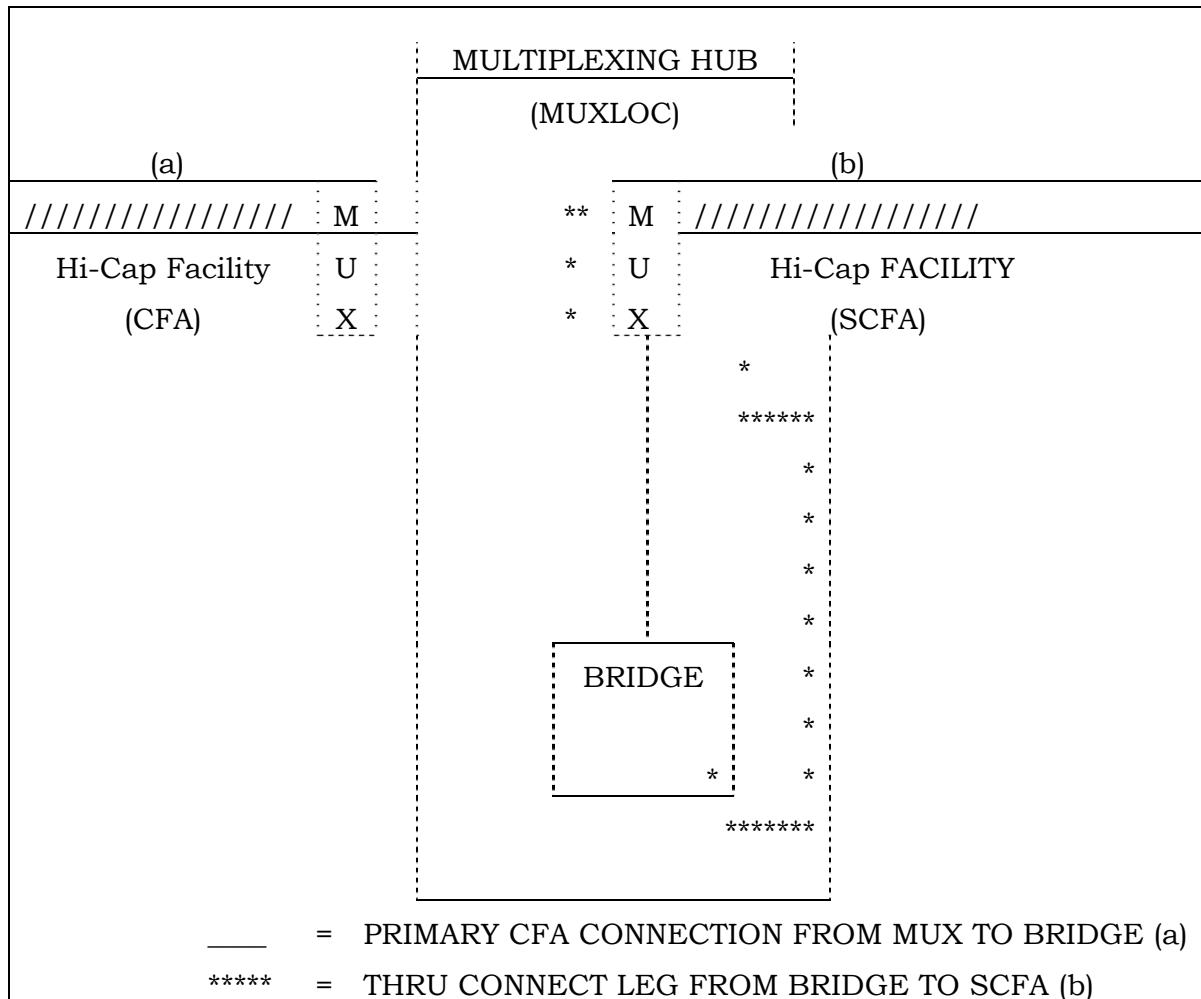
## 11.8 MULTIPOINT THRU-CONNECT (CONTINUED)

- |                                 |        |  |
|---------------------------------|--------|--|
| MULTIPOINT<br>SERVICE LEG (MSL) | SCFA   | - Identifies the channel(s) of LEG (MSL) the multiplexed Hi-Cap facility being utilized for the "b" connection in the provider central office (or HUB). This SCFA is associated with the location specified in the SECLOC and SPOT fields specified on the MSL Form. |
| MULTIPOINT<br>SERVICE LEG (MSL) | SECLOC | - Identifies the secondary location. LEG (MSL) associated with the SCFA. This is usually a secondary ACTL and as such the CLLI code for this location should be shown in the SPOT field.   |
| MULTIPOINT<br>SERVICE LEG (MSL) | SPOT   | - Identifies the SECLOC CLLI code when LEG (MSL) the SECLOC is a secondary ACTL.   |

## 11.8 MULTIPLEXING HUB (MUXLOC)

EXAMPLE Y: MULTIPLEXING HUB (MUXLOC)

MULTIPOINT THRU-CONNECT



**11.9 CASCADING MULTIPLEXING** The ordering requirements for a Cascading Multiplexing arrangement are as follows (see Example Z for illustration):

ORDERING FORM:	UNIQUE FIELD REQUIREMENTS FOR A CASCADING MULTIPLEXING CONFIGURATION ARE:	
TRANSPORT	NC	<ul style="list-style-type: none"><li>- Identifies the type of service being ordered. Example: If ordering the DS3, a DS3 NC is required; if ordering the DS1, a DS1 NC is required, etc.</li></ul>
TRANSPORT	NCI	<ul style="list-style-type: none"><li>- Identifies the interface at the ACTL. The NC and NCI may represent different types of service. Example: If ordering a DS1 cascading or "riding" a DS3; a DS3 NCI is required to represent the DS3 interface at the ACTL but the NC will be for the DS1 being ordered.</li></ul>
TRANSPORT	CFA	<ul style="list-style-type: none"><li>- Identifies the channel(s) of the multiplexed Hi-Cap facility on which the service being ordered will "ride". Example: If ordering a DS1 cascading from a DS3; the CFA identifies the channel of the DS3 on which the DS1 will ride. When the voice grade channel is ordered, the CFA on that request will reflect the channel of the DS1 on which the voice service will ride.</li></ul>

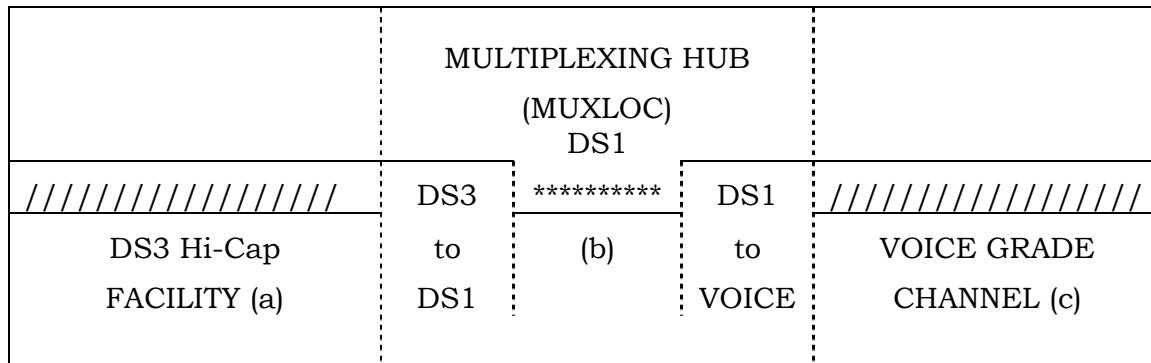
## 11.9 CASCADING MULTIPLEXING (CONTINUED)

TRANSPORT	MUXLOC	- Identifies the multiplexing location in which the multiplexed Hi-Cap facility associated with the CFA terminates. The MUXLOC CLLI code is the HUB location identified in the CFA field.
TRANSPORT	SMUXLOC	- Identifies the multiplexing location in which the multiplexed Hi-Cap facility associated with the SCFA terminates.
TRANSPORT	SECLOC	- Identifies the multiplexing location for the service being ordered. Example: If ordering a DS1 cascading from a DS3, the SECLOC is the multiplexing location for the DS1 (if the DS1 is being multiplexed).

## 11.9 CASCADING MULTIPLEXING (CONTINUED)

Cascading Multiplexing involves the use of a channel from a multiplexed service that is multiplexed into smaller channels.

EXAMPLE Z:



The DS3 Hi-Cap facility (a) is ordered to a provider central office and is multiplexed down into 28 DS1's (b). Each DS1 can then be multiplexed into 24 voice grade channels (c) or 23 digital data channels. This configuration is called "Cascading Multiplexing".

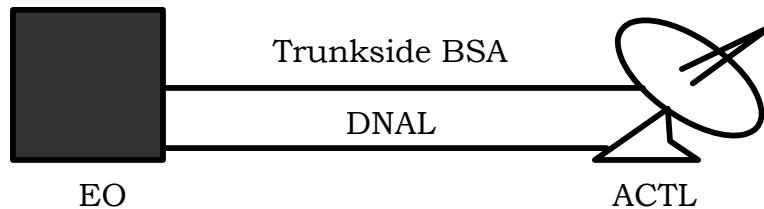
**11.10 DEDICATED NETWORK ACCESS LINE (DNAL) - GENERAL** The Dedicated Network Access Link (DNAL) provides a dedicated data channel between the customer termination and a designated central office which contains the specific features required by the customer.

The DNAL is used to transmit network information or network control information from the customer to the network (e.g. activate a message waiting indicator) or from the network to the customer (e.g. calling number identification over a message desk interface).

**11.11 DNAL DEDICATED NETWORK ACCESS LINK** This configuration depicts a Trunk-side Basic Serving Arrangement (BSA) with an associated DNAL used to provide a Trunk Make Busy Arrangement. The Trunk-side BSA is ordered concurrently or prior to the DNAL. The DNAL is ordered on the Transport Form using the SSS and ATN Fields.

LATA ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
SSS = N  
ATN = TSC/TGID



## **11.12 UNBUNDLED ORDERING CONFIGURATIONS**

### **UNBUNDLED MULTIPLEXER**

1. 1/0 MUX
2. 3/1 MUX

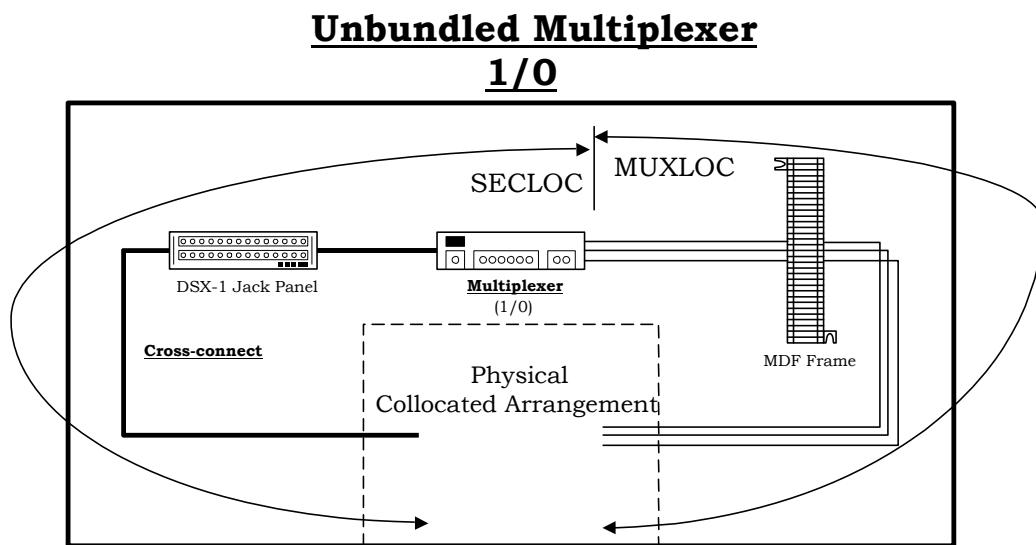
### **UNBUNDLED TRANSPORT**

1. Physical COLLOCATION to physical COLLOCATION
  - A. Same CENTRAL OFFICE
  - B. Different CENTRAL OFFICE
2. Physical COLLOCATION to CLEC POI
3. Virtual COLLOCATION to CLEC POI
4. CLEC POI to CLEC POI

**11.13 UNBUNDLED MULTIPLEXER 1/0** This configuration depicts an Unbundled Network Element which multiplexes between DS0 and T1 levels.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM



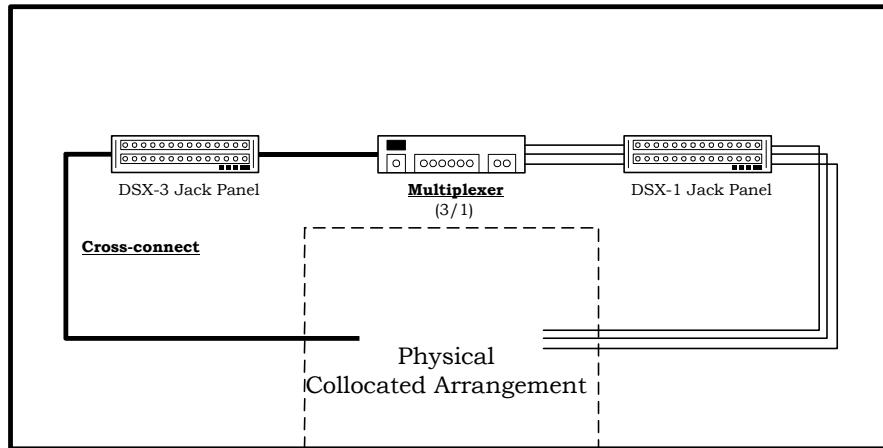
Note: The UNE field on the ASR Form must be populated when placing an order for this service. The above configuration requires two separate ASR's. The first ASR will be for the high speed side and the Multiplexer. The second ASR will be for the low speed connections from the Multiplexer to the collocation arrangement.

11.14 **UNBUNDLED MULTIPLEXER 3/1** This configuration depicts an Unbundled Network Element which multiplexes between DS3 and DS1 levels.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM

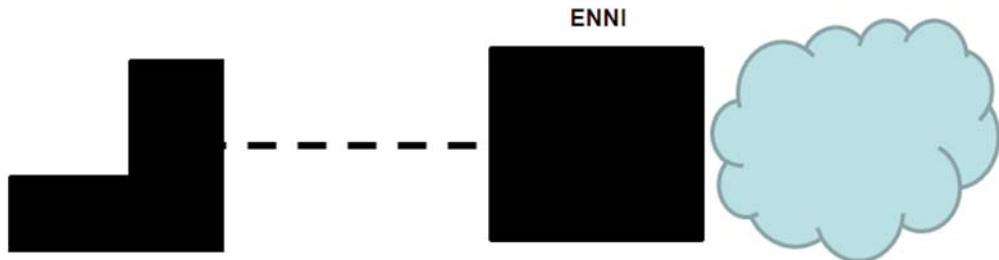
**Unbundled Multiplexer**  
**3/1**



Note: The UNE field on the ASR Form must be populated when placing an order for this service. The above configuration requires two separate ASR's. The first ASR will be for the high speed side and the Multiplexer. The second ASR will be for the low speed connections from the Multiplexer to the collocation arrangement.

### 11.15 SPECIALIZED ETHERNET AGGREGATION COMBO SERVICES

This configuration depicts an example of a Specialized Ethernet Aggregation order.



<b>ASR Form</b>			
REQTYP	= S	SEI	= Blank
ACT	= N		
ACTL	= Required		
QTY	= 1		
EVCI	= B		
<b>Transport Form</b>			
NC	= Specialized Ethernet Aggregation Service	SECLOC	= Required
NCI	= Specialized Ethernet Aggregation Interface		
SECNCI	= Specialized Ethernet Aggregation Interface		
<b>EVC Form</b>			
<b>EVC Detail Section</b>		<b>UNI Mapping Section</b>	
EVC NUM	= 0001	UREF	= 01
NC	= Required	AUNT	= A
-		UACT	= N
NUT	= Required	NCI	= Port based/VLAN
EVCID	= N/A	L2CP	= As needed
EVCCR	= Optional	RUID or	= Prohibited
		RPON	= Prohibited
		EVCSP	= Optional
		VACT	= Optional
		CE-VLAN	= Optional
		S-VACT	= As needed
		S-VLAN	= As needed
		SVP	= As needed

<b>UREF #1 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		

**11.15 SPECIALIZED ETHERNET AGGREGATION COMBO SERVICES  
(continued)**

<b>UNI Mapping Section – UNI #2</b>							
UREF	= 2						
UACT	= N						
NCI	= Port based/VLAN						
L2CP	= As needed						
RUID	= ECCKT of Specialized						
or	Ethernet Aggregation #2						
RPON	= PON of Specialized Ethernet						
	Aggregation #2 ASR						
EVCSP	= Optional						
VACT	= Optional						
CE-VLAN	= Optional						
S-VACT	= As needed						
S-VLAN	= As needed						
SVP	= As needed						
<b>UREF #2 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	EVCGLD		Bandwidth			

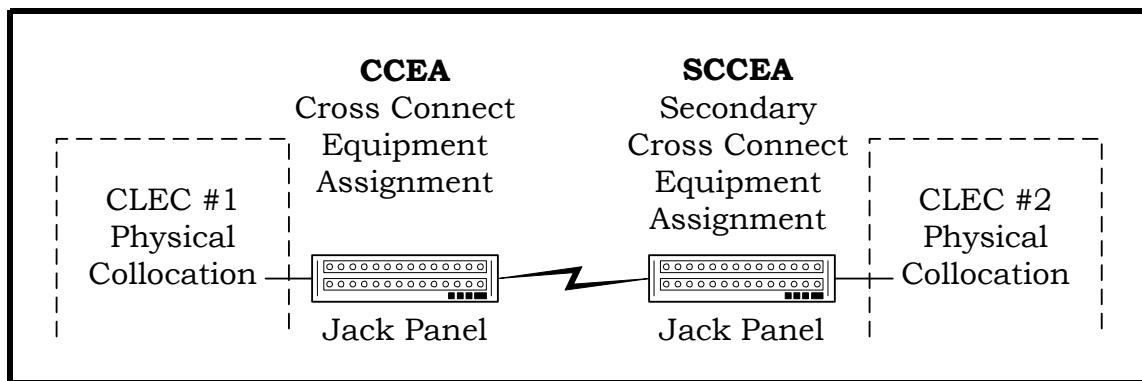
## 11.16 COLLOCATION TO COLLOCATION (SAME CENTRAL OFFICE)

This configuration depicts an Unbundled Network Element (Transport) between two physical COLLOCATIONS arrangement within the same Central Office.

### ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM

#### Multiple Collocation Arrangement (Intraoffice Cage-to-Cage)



Note: The UNE field on the ASR Form must be populated when placing an order for this service.

**11.17 COLLOCATION TO COLLOCATION (DIFFERENT CENTRAL OFFICE)** This configuration depicts an Unbundled Network Element (Transport) between two COLLOCATIONS in two different Central Offices.

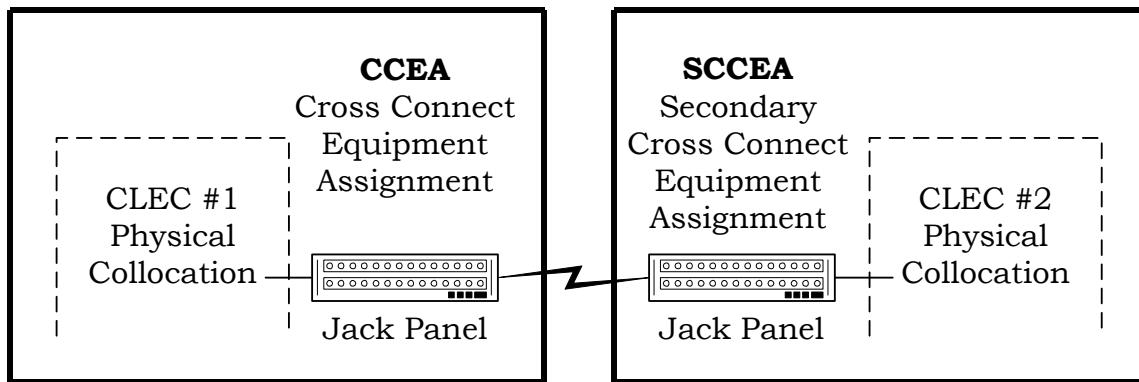
ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM

**Multiple Collocation Arrangement**  
**(Interoffice Cage-to-Cage)**

**Central Office #1**

**Central Office #2**

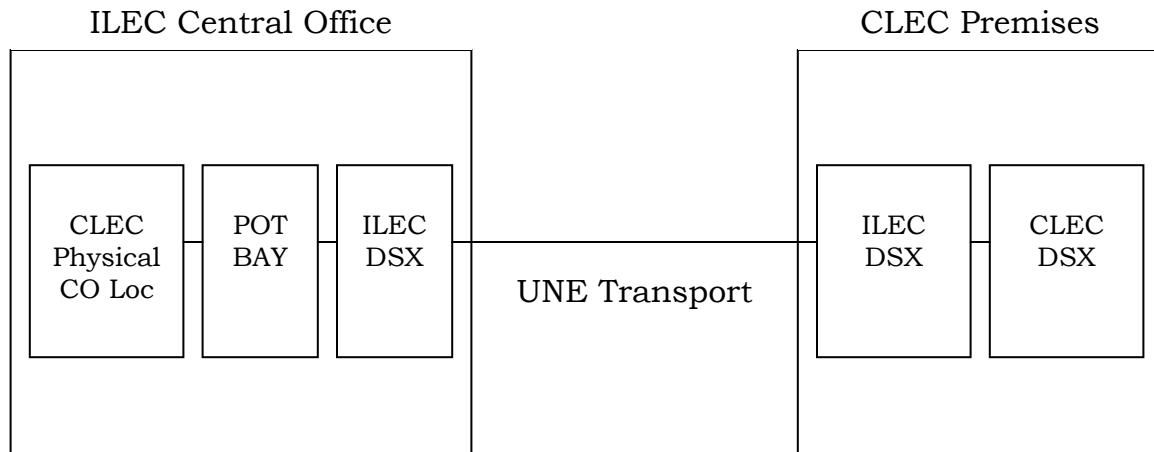


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

**11.18 PHYSICAL COLLOCATION TO CLEC POI** This configuration depicts an Unbundled Network Element (Transport) between a physical collocation and a CLEC POI.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM

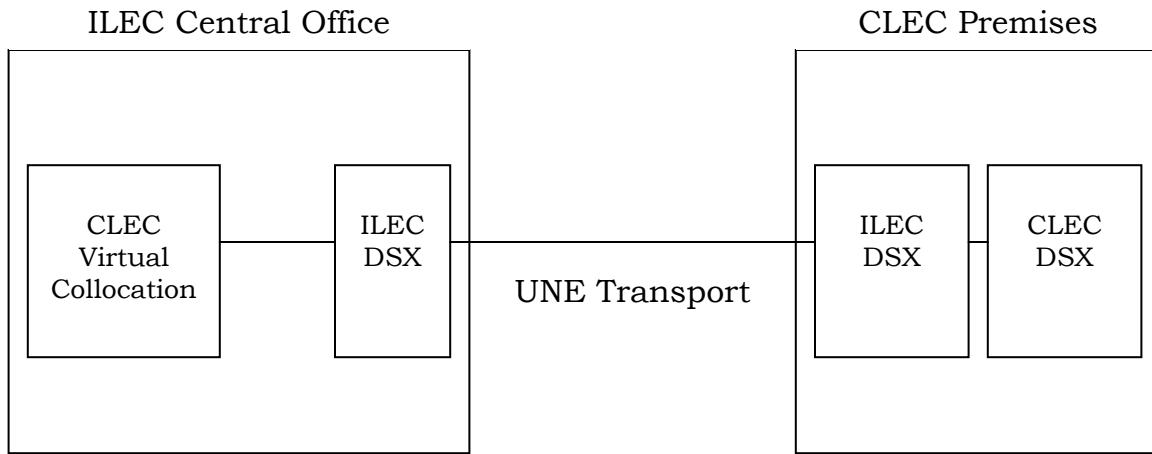


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

**11.19 VIRTUAL COLLOCATION TO CLEC POI** This configuration depicts an Unbundled Network Element (Transport) between a virtual collocation and a CLEC POI.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM

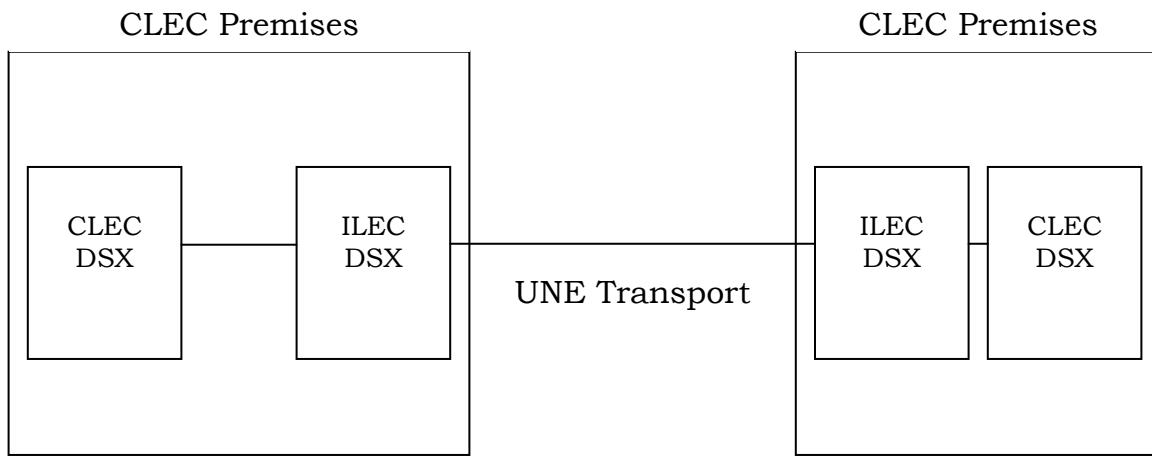


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

**11.20 CLEC POI TO CLEC POI** This configuration depicts an Unbundled Network Element (Transport) between two CLEC POIs.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM



Note: The UNE field on the ASR Form must be populated when placing an order for this service.

END USER SPECIAL ACCESS

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	12.1
END USER SPECIAL ACCESS ORDERING CONFIGURATIONS	12.2
TWO POINT END USER SPECIAL ACCESS	12.2.1
CROSS-CONNECTS	12.2.2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 12. END USER SPECIAL ACCESS

12.1 **GENERAL** End User Special Access is generally ordered between two end user locations within a LATA.

- One of the end user locations must be terminated in a circuit which has the capability of switching to a jurisdictionally interstate connection.
- Service between two locations where at least one of the locations has digital cross-connect (DCS) capabilities.

The following location naming conventions are used:

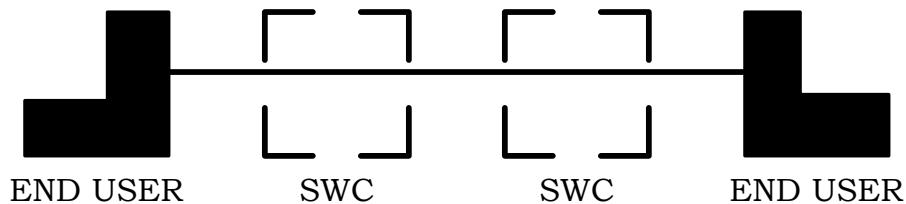
- The end user location with the capability to switch the circuit InterLATA is identified as the primary location (PRILOC) and all other end user locations are identified as secondary locations (SECLOCs).
- When more than end user locations have the capability of switching, the assignment of the PRILOC is arbitrary.

## 12.2 END USER SPECIAL ACCESS ORDERING CONFIGURATIONS

**12.2.1 TWO POINT END USER SPECIAL ACCESS** This configuration depicts a private line between two end user locations within the LATA which are jurisdictionally Interstate because one or both locations have the ability to switch to exchange services. The location having this switching capability is designated as PRILOC and is handled in a manner similar to an ACTL location for the provisioning process.

### LATA ORDERING REQUIREMENTS:

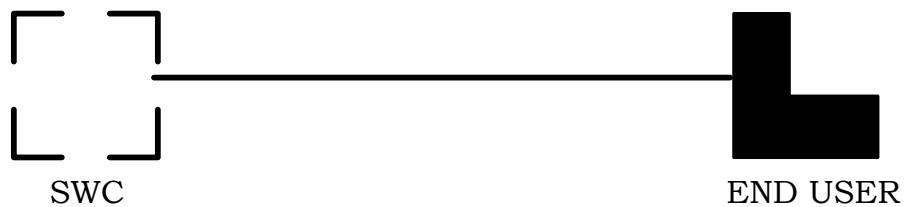
ASR FORM  
NO-ACTL  
EUSA FORM  
PRILOC  
(2) SALI FORMS  
SECLOC



**12.2.2 CROSS-CONNECTS** This example illustrates one location as a provider office with DCS or multiplexing (MUX) capabilities and the other is an end user premises.

LATA ORDERING REQUIREMENTS:

ASR FORM  
NO-ACTL  
EUSA FORM  
PRILOC  
SECLOC  
SALI FORM

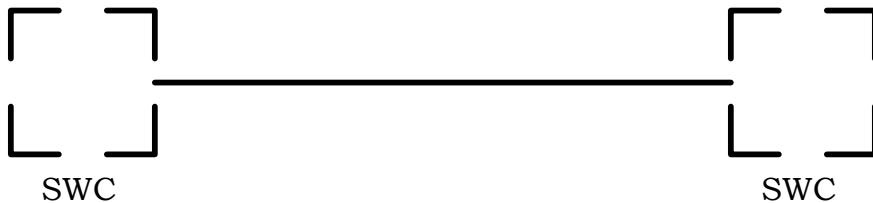


**12.2.2 CROSS-CONNECTS (CONTINUED)** Another application for the use of the EUSA is to order between two locations when both locations are provider offices with DCS or MUX capabilities. Identification of these locations is as follows:

- When both locations are provider offices with DCS capabilities the assignment of primary versus secondary identification is arbitrary and the choice of the customer.
- When one location is a provider office with DCS capabilities and the other is a provider office with MUX capabilities, the DCS location is identified as the primary location and the MUX location is identified as the secondary location.

LATA ORDERING REQUIREMENTS:

ASR FORM  
EUSA FORM  
PRILOC  
SECLOC  
NO-ACTL



MULTIPLE-EXCHANGE COMPANY (MULTI-EC)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	13.1
MULTI-EC ORDERING CONFIGURATIONS	13.2
SPECIAL ACCESS MULTI-EC	13.2.1
FEATURE GROUP A MULTI-EC	13.2.2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **13. MULTIPLE-EXCHANGE COMPANY (MULTI-EC)**

13.1 **GENERAL** A Multi-EC configuration is one in which multiple providers are involved in the provision of the access service. The Multi-EC Form provides for the additional administrative and billing detail information for each provider involved where an access service passes through more than one provider's territory. The first line of information will always contain the Access Service Coordination Exchange Company (ASC-EC) details, and the ASC-EC ICSC code on this form must match the ASC-EC field information on the ASR Form. The Multi-EC Form will accompany the ASR and service specific form.

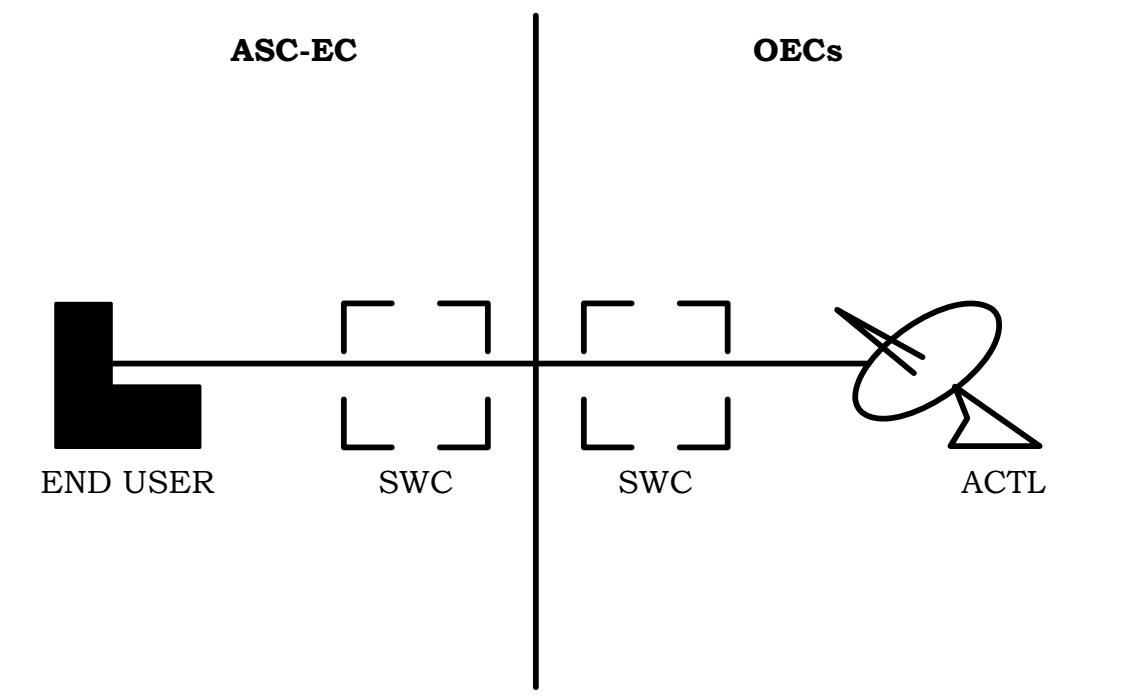
## 13.2 MULTI-EC ORDERING CONFIGURATIONS

13.2.1 **SPECIAL ACCESS MULTI-EC** This configuration depicts a two point private line between an end user location and an ACTL. The Special Access Service is provided to the customer by two providers within the same LATA, requiring the Multi-EC Form in addition to the ASR, Transport and SALI Forms normally provided.

### LATA ORDERING REQUIREMENTS:

PROVIDER #1  
ASR FORM  
TRANSPORT FORM  
MULTI-EC FORM  
SALI FORM

PROVIDER #2  
ASR FORM  
TRANSPORT FORM  
MULTI-EC FORM  
SALI FORM

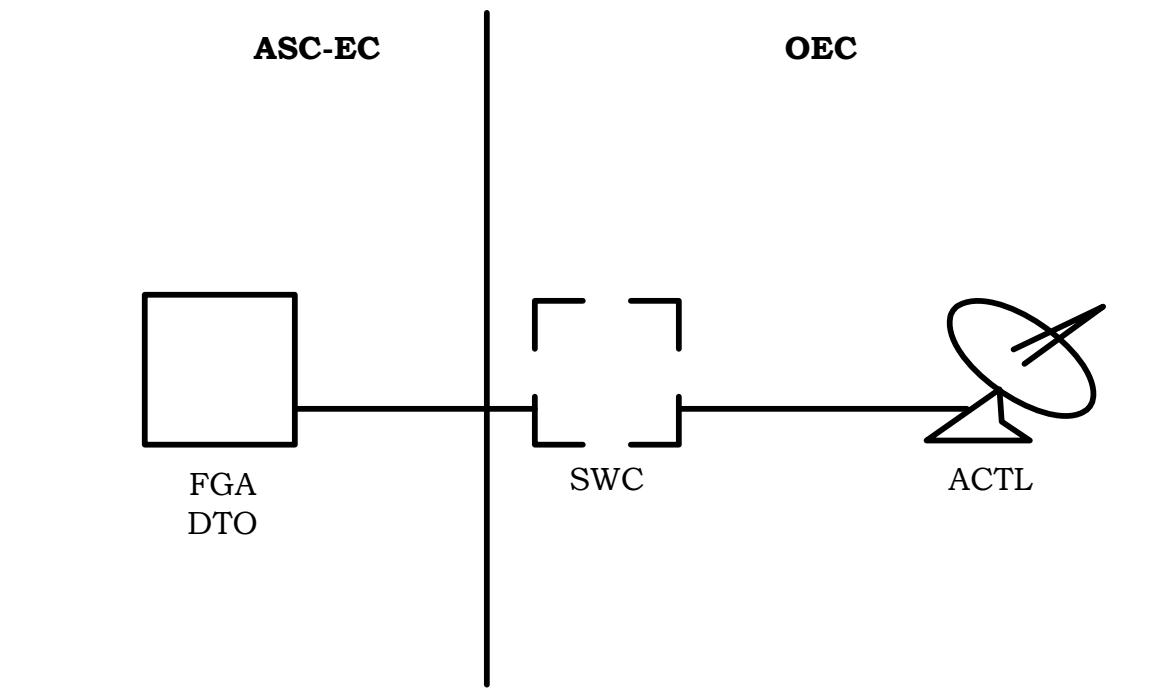


**13.2.2 FEATURE GROUP A MULTI-EC** This configuration depicts a FGA Foreign Exchange service from a FGA end office to an ACTL. The FGA service is provided by two providers within the same LATA, requiring the Multi-EC Form in addition to the ASR and Service Specific Form.

LATA ORDERING REQUIREMENTS:

PROVIDER #1  
ASR FORM  
FGA FORM  
MULTI-EC FORM

PROVIDER #2  
ASR FORM  
TRANSPORT FORM  
MULTI-EC FORM



**THIS PAGE INTENTIONALLY LEFT BLANK.**

## RING SERVICE

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	14.1
RING ORDERING CONFIGURATIONS	14.2
ESTABLISH A RING	
4 NODE RING-POP ON RING AT LOCATION A	14.3
4 NODE RING-POP ON RING AT LOCATION C	14.4
SERVICE REARRANGEMENTS	
ADD A NODE	14.5
DISCONNECT A NODE	14.6
REDISTRIBUTE PORT CAPACITY	14.7
SERVICE ACTIVATION - OFF NET TO OFF NET -	
SPECIAL ACCESS	14.8

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **14. RING SERVICE**

**14.1 GENERAL** A ring can be one of two transport types: optical carrier (OC) transport or dense wave division multiplexing (DWDM) transport.

The configuration of an OC transport ring consists of a collection of nodes forming a closed end loop, whereby each node is connected via a fiber facility, and the OC transport ring is self-healing.

The configuration of a DWDM transport ring consists of a collection of nodes forming a closed end loop, whereby each node is connected via a fiber facility, and the DWDM transport ring is not self-healing. Individual wavelengths on the DWDM transport ring may or may not be self-healing depending on the customer's circuit level requirements.

**14.2 RING ORDERING CONFIGURATIONS** The Ring Form Preparation Guide (ATIS-0404021) addresses the ordering requirements for the first segment of the ring for this request.

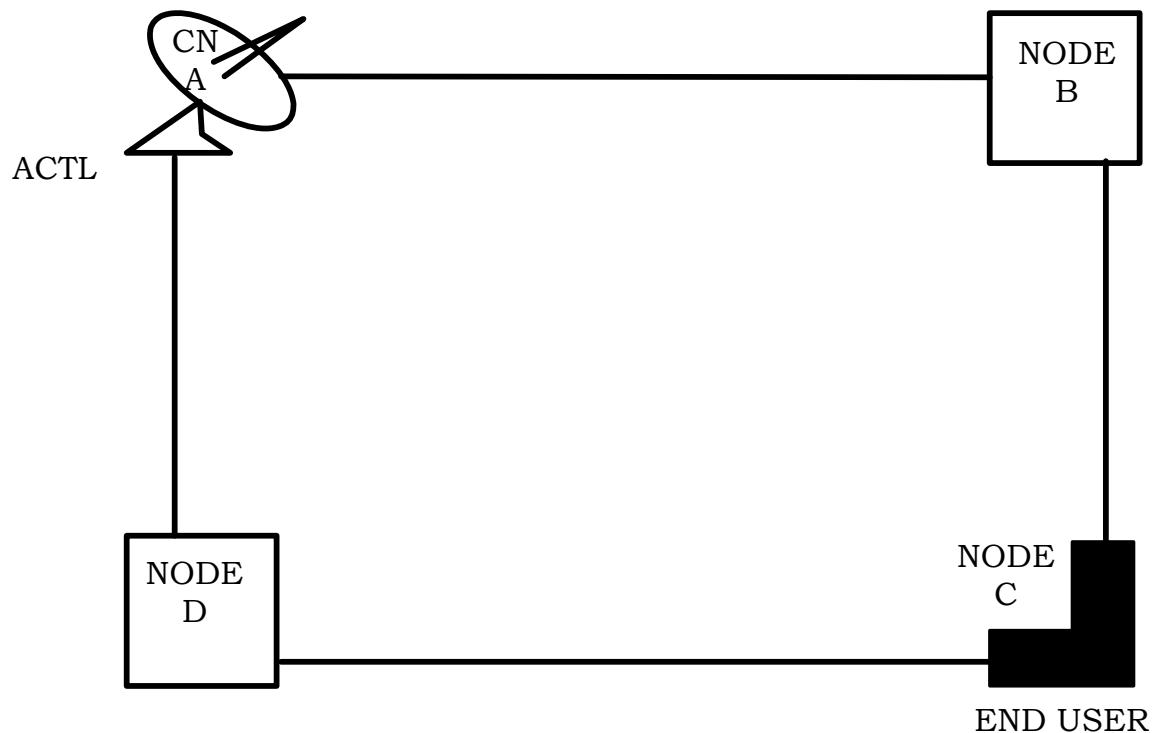
The Additional Ring Information Form Preparation Guide (ATIS-0404022) addresses the ordering requirements for the second and all subsequent segments of a ring for this request.

### 14.3 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION A

This configuration depicts the establishment of a 4 node ring with 2 central office nodes and 2 customer nodes.

#### ORDERING REQUIREMENTS:

ASR FORM  
RING FORM  
(3) ARI FORMs  
SALI FORM



**14.3 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION A (CONT'D)** In this example, node A is located at a POP; therefore, the ACTL CLLI code will be entered in the ACTL field on the ASR Form. When node A is not a POP, the PRILOC field on the RING Form will be populated and the ACTL field on the ASR Form will be blank.

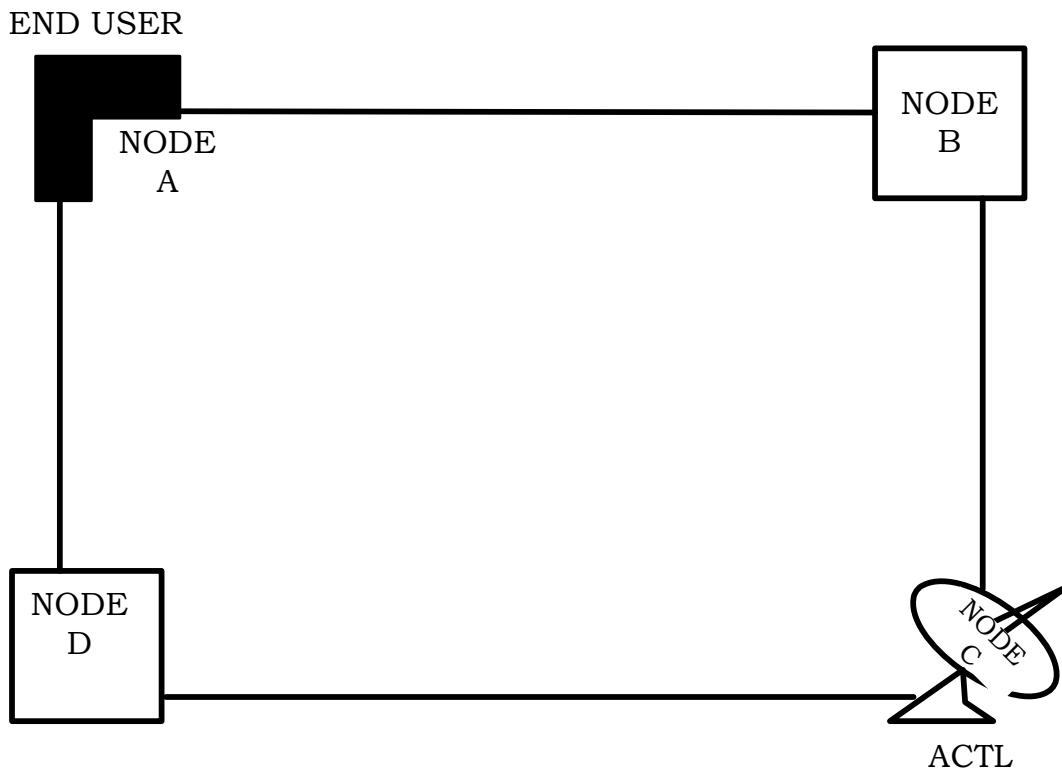
<b>ASR FORM</b>	<b>RING FORM</b>
REQTYP = R ACT = N FNI = N or preassigned FNI QTY = 4 (number of segments) ACTL = CLLI Code of POP ("A" location) QSA = 1	Segment A to B  NC NCI SECNCI NID SECLOC ("B" location)  Assumed REF NUM 0001
<b>ARI FORM #1</b>  Segment B to C  NC NCI SECNCI REF NUM = 0002 PRILOC = ("B" location) SPOT (PRI) NID SECLOC ("C" location)	<b>ARI FORM #2</b>  Segment C to D  NC NCI SECNCI REF NUM = 0003 PRILOC = "E" ("C" location) SPOT (PRI) NID SECLOC = ("D" location)
<b>ARI FORM #3</b>  Segment D to A:  NC NCI SECNCI REF NUM = 0004 PRILOC = ("D" location) SPOT (PRI) NID SECLOC = ("A" location)	<b>SALI FORM</b>  REF NUM = 0003 PI = "Y" AFT EUNAME = End User Name PRILOC = ("C" location)

#### 14.4 ESTABLISH A 4 NODE RING - POP ON RING AT LOCATION C

This configuration depicts the establishment of a 4 node ring with 2 central office nodes and 2 customer nodes.

ORDERING REQUIREMENTS:

ASR FORM  
RING FORM  
(3) ARI FORMs  
SALI FORM



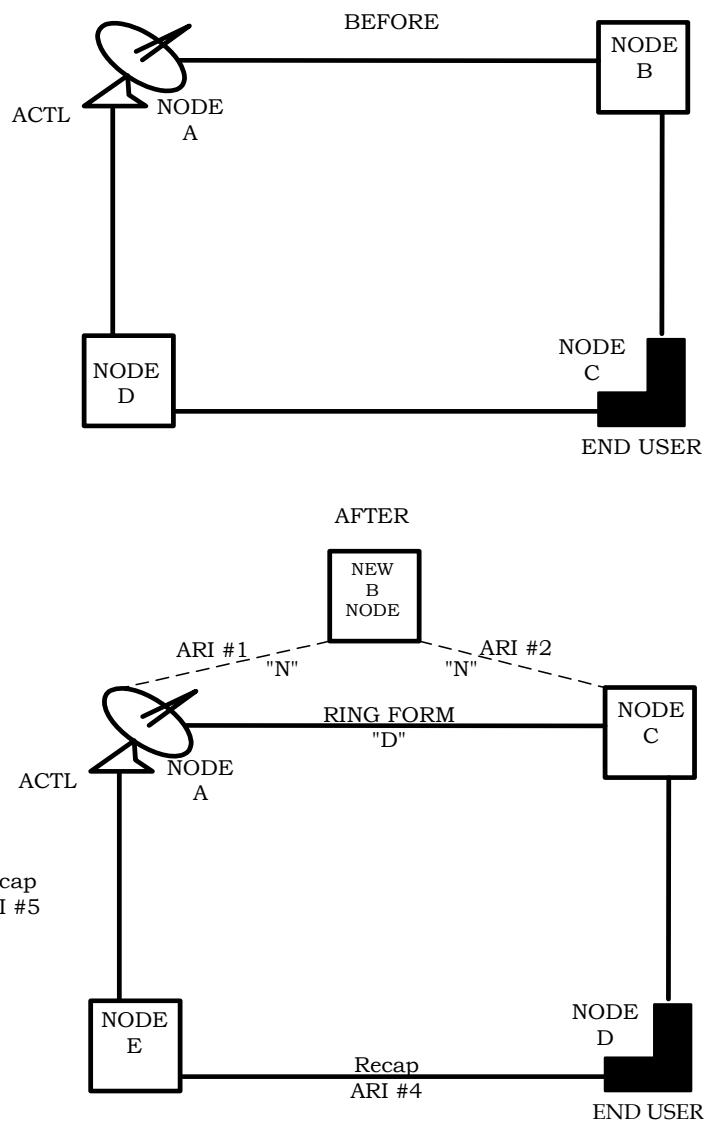
**14.4 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION C (CONT'D)** In this example, node C is located at a POP; therefore, the ACTL CLLI code will be entered in the SPOT (SEC) field on the ARI Form #1 and the SPOT (PRI) field on the ARI Form #2. Since node A is not a POP, the PRILOC field on the RING Form will be populated and the ACTL field on the ASR Form will be blank.

<b>ASR FORM</b>	<b>RING FORM</b>
<p>REQTYP = R  ACT = N  FNI = N or pre-assigned FNI  QTY = 4 (number of segments)  ACTL = blank  QSA = 1</p>	<p>Segment A to B  NC  NCI  PRILOC = "E"  SPOT (PRI) = CLLI Code (if available)  NID  SECLOC = "C" + CLLI Code ("B" location)  Assumed REF NUM 0001</p>
<b>ARI FORM #1</b>	<b>ARI FORM #2</b>
<p>Segment B to C  NC  NCI  SECNCI  REF NUM = 0002  PRILOC = "C" + CLLI Code  NID  SECLOC = "E" + End User Name  SPOT (SEC) = ACTL CLLI Code</p>	<p>Segment C to D  NC  NCI  SECNCI  REF NUM = 0003  PRILOC = "E"  SPOT (PRI) = ACTL CLLI Code  NID  SECLOC = "C" + CLLI Code ("D" location)</p>
<b>ARI FORM #3</b>	<b>SALI FORM</b>
<p>Segment D to A:  NC  NCI  SECNCI  REF NUM = 0004  PRILOC = "C" + CLLI Code  NID  SECLOC = "E" + End User Name ("A" location)  SPOT (SEC) CLLI Code (if available)</p>	<p>REF NUM = blank (assumed 0001)  PI = "Y"  AFT  EUNAME = End User Name</p>

**14.5 SERVICE REARRANGEMENTS - ADD A NODE** This configuration depicts a central office node being added to an existing 4 node ring.

ORDERING REQUIREMENTS:

ASR FORM  
RING FORM  
(2) ARI FORMs



---

\_\_\_\_\_ = EXISTING  
----- = NEW

**14.5 SERVICE REARRANGEMENTS-ADD A NODE (CONT'D)** A particular sequence of valid entries for the SEGACT field when more than one type activity is required:

D = disconnect node(s)  
N = new node(s)  
C = change node(s)  
R = recap node(s), if applicable

In this arrangement, the sequence to be used is:

D = segment A to B  
N = segment A to new B  
N = segment new B to C

**ORDERING REQUIREMENTS:**

<b>ASR FORM</b>	<b>RING FORM</b>
REQTYP = R ACT = C FNI CKR ECCKT = CLF A-B (old) QTY = 3 (number of segments touched) ACTL	Segment A to B  NC NCI SEGACT = D NID  Assumed REF NUM = 0001
<b>ARI FORM #1</b>	<b>ARI FORM #2</b>
Segment A to new B  NC NCI SECNCI SEGACT = N REF NUM = 0002 PRILOC = ACTL NID SECLOC	Segment new B to C  NC NCI SECNCI SEGACT = N REF NUM = 0003 PRILOC NID SECLOC

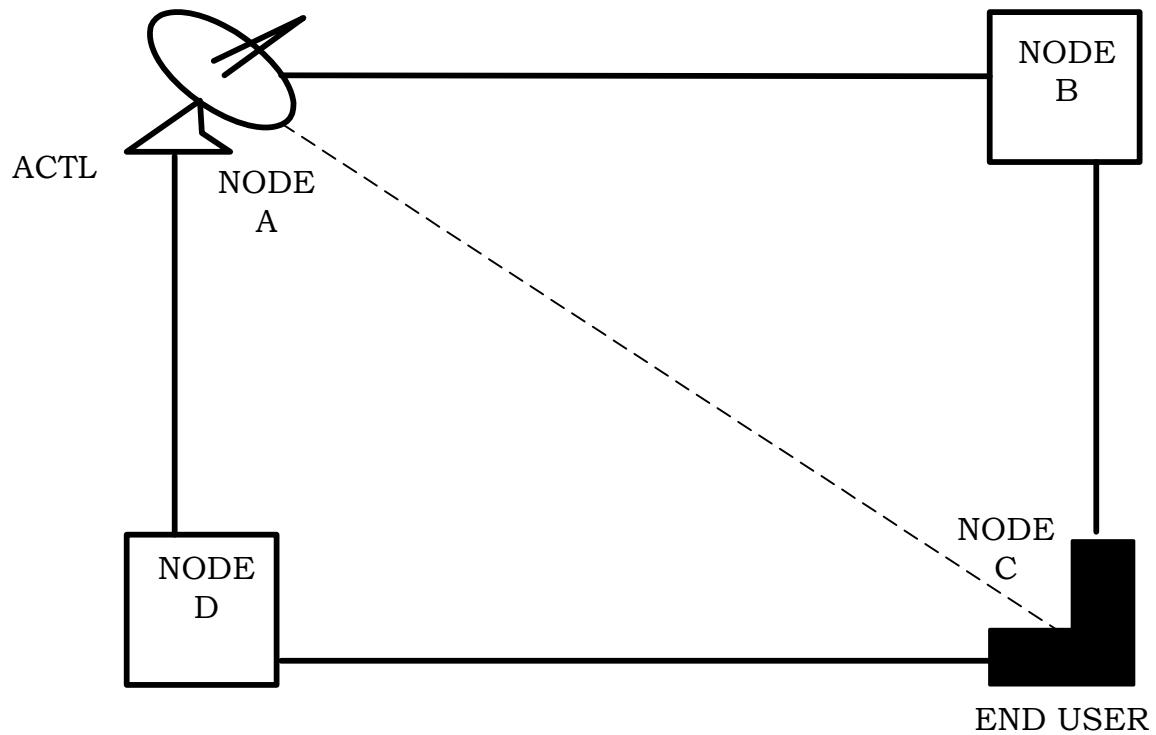
For those who recap, 3 additional ARIs are required:

R = segment new C to D  
R = segment new D to E  
R = segment new E to A

**14.6 SERVICE REARRANGEMENTS - DISCONNECT A NODE** This configuration depicts a node being disconnected from an existing 4 node ring. This arrangement requires that existing segments A-B and B-C be disconnected and the segment from A to C be established. All SEGACTs = "D" must precede the SEGACT = "N".

ORDERING REQUIREMENTS:

ASR FORM  
RING FORM  
2 ARI FORMs



---

\_\_\_\_\_ = EXISTING  
----- = NEW

**14.6 SERVICE REARRANGEMENTS-DISCONNECT A NODE (CONT'D)** A particular sequence of valid entries for the SEGACT field when more than one type activity is required:

D = disconnect node(s)  
N = new node(s)  
C = change node(s)  
R = recap node(s), if applicable

In this arrangement, the sequence to be used is:

D = segment A to B  
D = segment B to C  
N = segment A to new C

**ORDERING REQUIREMENTS:**

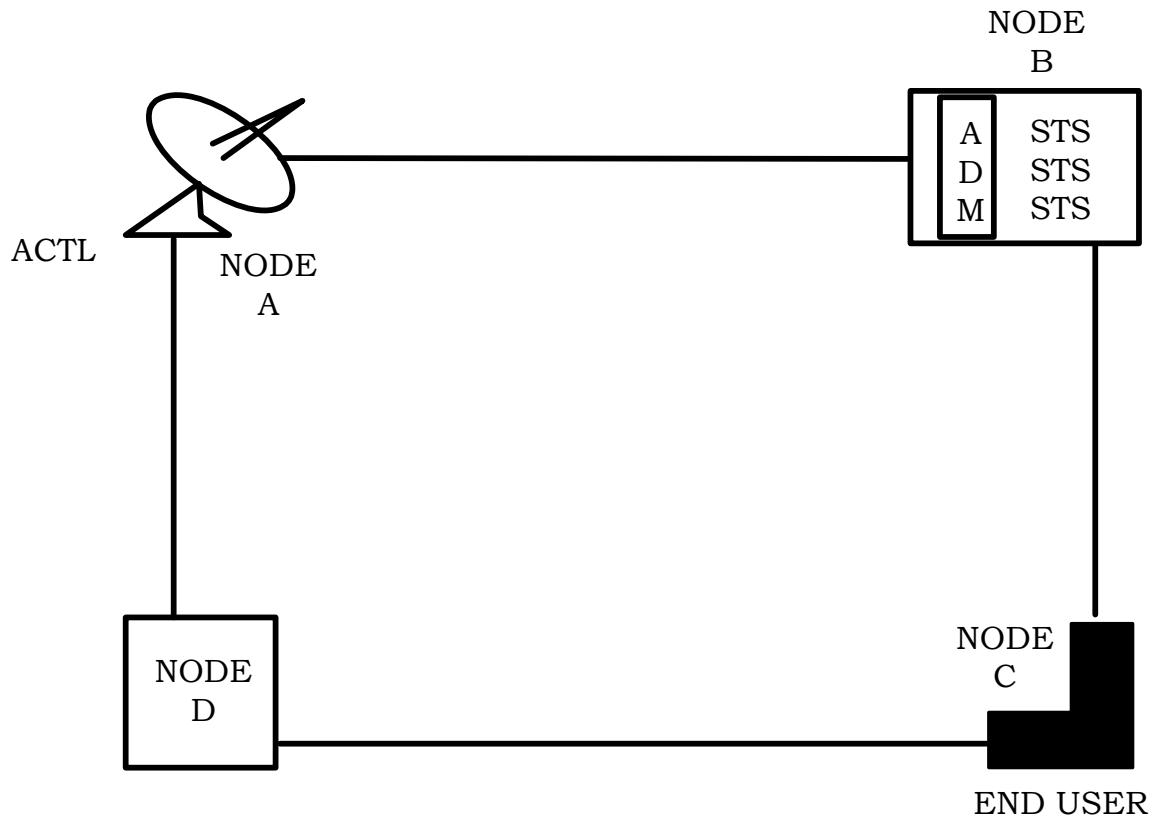
<b>ASR FORM</b>	<b>RING FORM</b>
REQTYP = R ACT = C FNI CKR ECCKT = CLF A-B (old) QTY = 3 (number of segments touched) ACTL	Segment A to B  SEGACT = D NID  Assumed REF NUM 0001
<b>ARI FORM #1</b>  Segment B to C  SEGACT = D REF NUM = 0002 ECCKT = B - C NID	<b>ARI FORM #2</b>  New Segment A to C  NC NCI SECNCI SEGACT = N REF NUM = 0003 PRILOC = "E" SPOT (PRI) = ACTL CLLI Code NID SECLOC = "E" + End User Name SPOT (SEC)

## 14.7 SERVICE REARRANGEMENTS - REDISTRIBUTE PORT

**CAPACITY** This configuration depicts the reallocation of port capacity at node B. The existing service illustrated here reflects an ECCKT of 101/OC03/CLLI code NODE B/CLLI code NODE C, a FNI of N12345 and a NCI reflecting 3 STS-1 cards.

### ORDERING REQUIREMENTS:

ASR FORM  
RING FORM



**14.7 SERVICE REARRANGEMENTS-REDISTRIBUTE PORT CAPACITY (CONT'D)** This example illustrates a proposal for reallocating port capacity at NODE B.

ORDERING REQUIREMENTS:

**ASR Form**

REQTYP = R  
ACT = C  
FNI  
CKR  
ECCKT = 101/OC3/CLLI Code NODE B/CLLI Code  
NODE C  
QTY

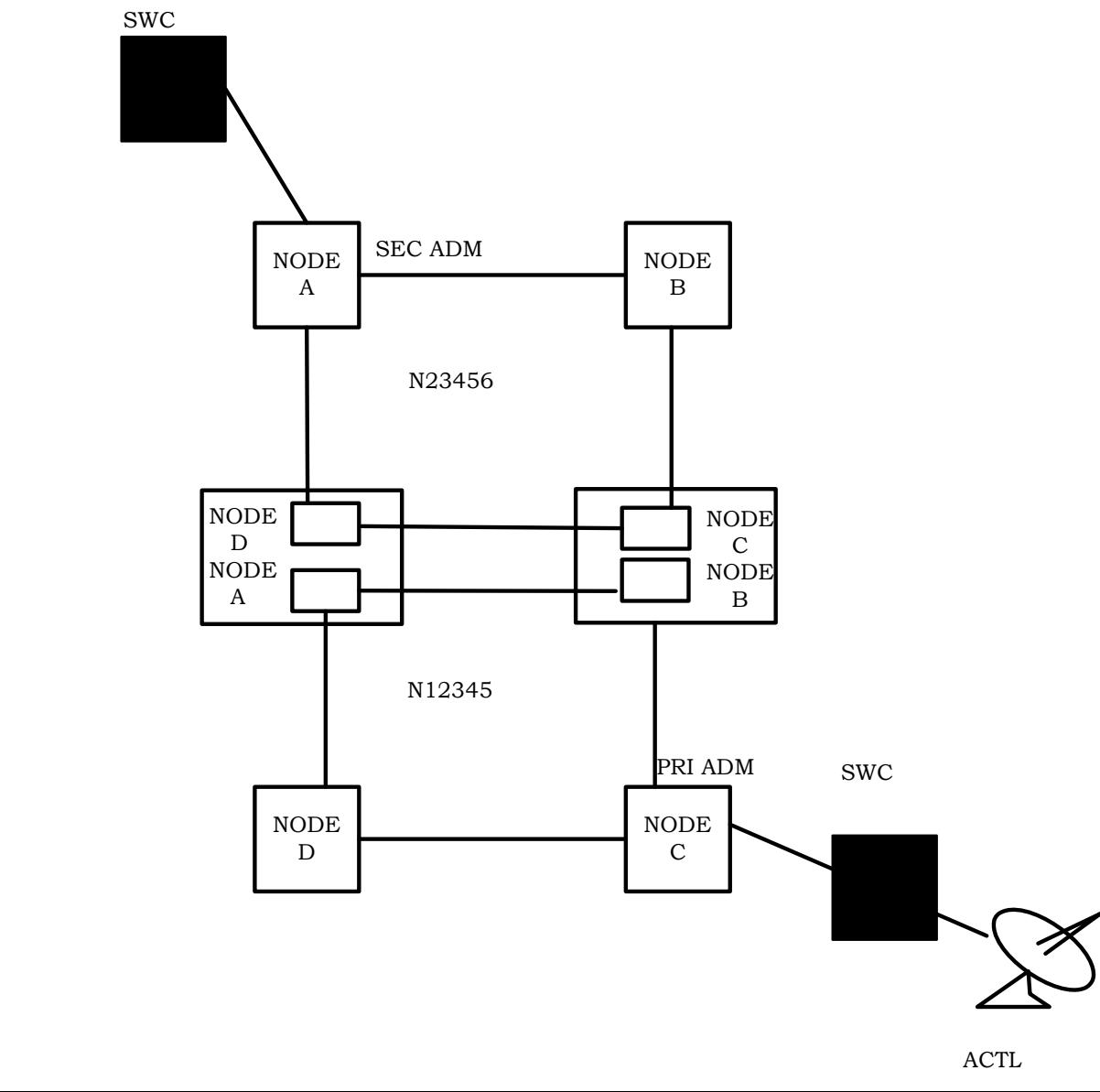
**RING Form**

NC  
NCI = Reflects (2) STS-1 and (1) VT1.5  
D/CDLRD  
SECNCI  
SEGACT = C  
PRILOC = NODE B CLLI Code  
NID  
SECLOC = NODE C

**14.8 SERVICE ACTIVATION - OFF NET TO OFF NET - SPECIAL ACCESS** This configuration depicts adding a special access hi-capacity service to route through 2 interconnected nodes.

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM



**14.8 SERVICE ACTIVATION - OFF NET TO OFF NET - SPECIAL ACCESS (CONTINUED)**

**ORDERING REQUIREMENTS:**

<b>ASR FORM</b>	<b>TRANSPORT FORM</b>
REQTYP = S	CFA
ACT = N	CPT
FNI = N12345-N23456	SCFA
QTY = 1	PRI ADM = CN C SEC ADM = CN A

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## VIRTUAL CONNECTION SERVICE

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	15.1
VIRTUAL CONNECTION CATEGORIES	15.2
VIRTUAL CONNECTION CONFIGURATIONS	15.3
ESTABLISH NEW NNI WITH VCs	15.3.1
ESTABLISH NEW UNI WITH VCs	15.3.2
ESTABLISH VCs OVER EXISTING NNI	15.3.3
ESTABLISH VCs OVER EXISTING UNI	15.3.4
ESTABLISH NNI ONLY	15.3.5
CHANGE VC VALUES	15.3.6
DISCONNECT VC	15.3.7
ESTABLISH NEW UNI WITH VC (CELL RELAY TO FRAME RELAY)	15.3.8
ESTABLISH NEW UNI WITH VCs (VC #1 FRAME RELAY TO FRAME RELAY, VC #2 FRAME RELAY TO CELL RELAY)	15.3.9

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 15. VIRTUAL CONNECTION SERVICE

15.1 **GENERAL** Ordering Broadband Services involves both physical ports and logical circuits. Since physical port activity resembles special access, ordering conventions for special access may basically be used for the physical connectivity of a network-to-network (NNI) or end user-to-network (UNI) interface. In addition to the standard special access type information requirements, specific broadband related information is needed to place an order for ports. Therefore, an ASR Form, Transport or EUSA Form and VC Form will be used when ordering Broadband Services. The SALI Form will also be required when an NNI or UNI terminates at a location that is identified by a service address. (The VC Form is not required if a Virtual Connection [VC] is not being ordered/changed.) Broadband Services supported by this ASOG are identified in the Broadband Services Category (BSC) field.

### 15.2 VIRTUAL CONNECTION CATEGORIES

Virtual Connections may be ordered as:

- Cell Relay (ATM) packets
- Frame Relay packets
- Cell Relay (ATM) to Frame Relay conversion
- Frame Relay to Cell Relay (ATM) conversion
- Frame Relay to Cell Relay (ATM) to Frame Relay conversions

Combinations of virtual connections may be ordered on a single ASR. Categories of Virtual Connections are identified by entries in the BSC field on the Transport or End User Special Access Form and/or the VST field on the Virtual Connection Form.

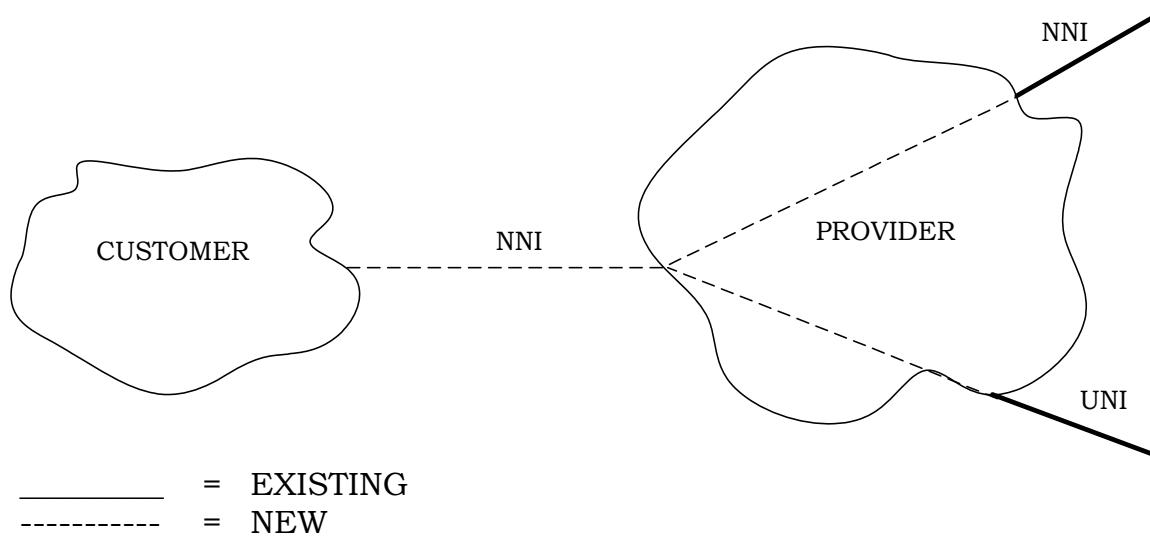
### 15.3 VIRTUAL CONNECTION CONFIGURATIONS

The following configurations are examples only. The fields listed are common to broadband services. For specific application, additional data elements may apply.

### 15.3.1 ESTABLISH NEW NNI WITH VCs

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
SALI FORM  
VC FORM



Data elements:

**ASR Form:**

**TRANSPORT Form:**

**VC Form:**

**SALI Form:**

REQTYP = V

NVC

VC NUM (1)

AFT

N/U

VCACT

REF NUM

BSC

RPON, RORD or RECKKT

VC NUM (2)

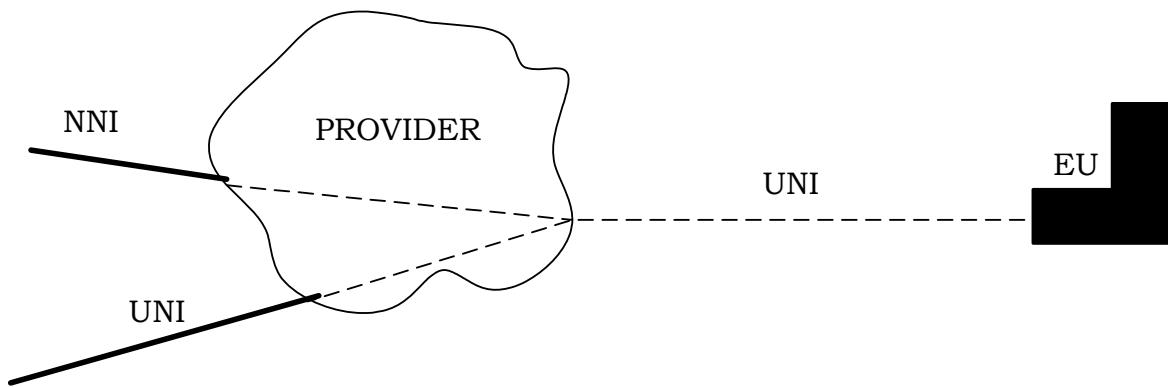
VCACT

RPON, RORD or RECKKT

### 15.3.2 ESTABLISH NEW UNI WITH VCs

ORDERING REQUIREMENTS:

ASR FORM  
EUSA FORM  
SALI FORM  
VC FORM



\_\_\_\_\_ = EXISTING  
----- = NEW

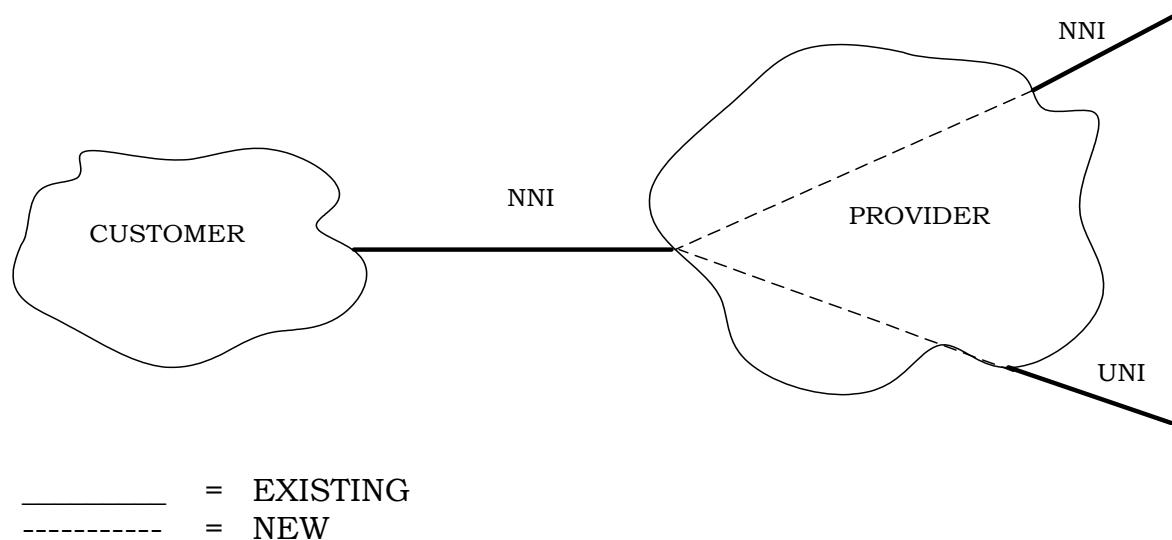
Data elements:

<b>ASR Form:</b>	<b>EUSA Form:</b>	<b>VC Form:</b>	<b>SALI Form:</b>
REQTYP = X		VC NUM (1)	
	NVC	VCACT	AFT
	N/U	RPON, RORD or RECCKT	REF NUM
	BSC	VC NUM (2) VCACT RPON, RORD or RECCKT	

### 15.3.3 ESTABLISH VCs OVER EXISTING NNI

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
SALI FORM  
VC FORM



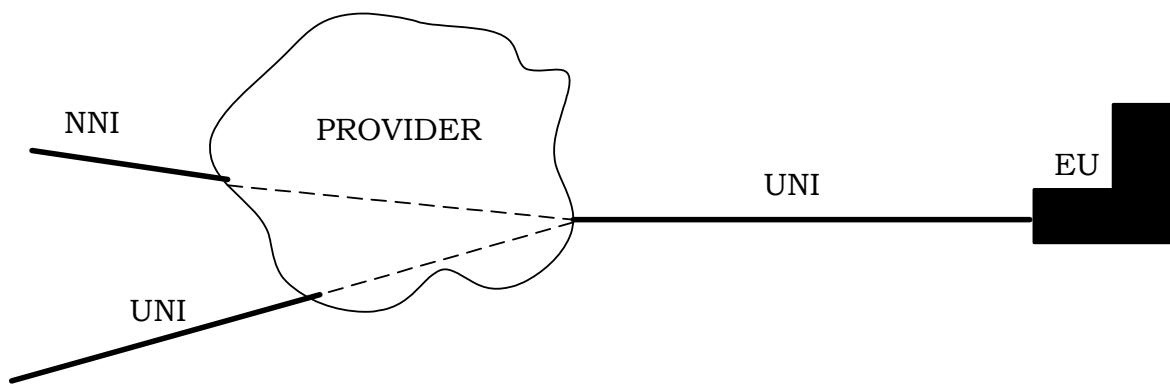
Data elements:

<b>ASR Form:</b>	<b>TRANSPORT Form:</b>	<b>VC Form:</b>	<b>SALI Form:</b>
REQTYP = V	NVC	VC NUM (1)	AFT
	N/U	VCACT	REF NUM
	BSC	RPON, RORD OR RECKKT	
		VC NUM (2)	
		VCACT	
		RPON, RORD or RECKKT	

#### 15.3.4 ESTABLISH VCs OVER EXISTING UNI

ORDERING REQUIREMENTS:

ASR FORM  
EUSA FORM  
SALI FORM  
VC FORM



\_\_\_\_\_ = EXISTING  
----- = NEW

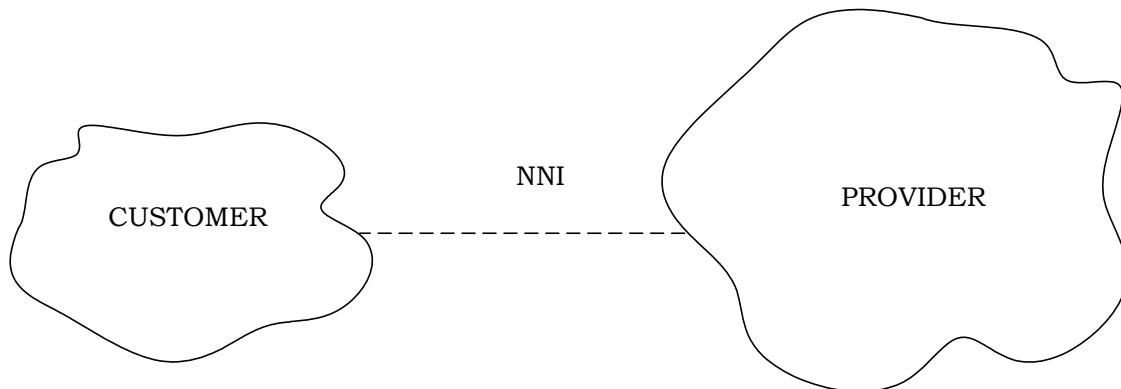
Data elements:

<b>ASR Form:</b>	<b>EUSA Form:</b>	<b>VC Form:</b>	<b>SALI Form:</b>
REQTYP = X	NVC	VC NUM (1)	
	N/U	VCACT	AFT
	BSC	RPON, RORD or RECCKT	REF NUM

### 15.3.5 ESTABLISH NNI ONLY

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
SALI FORM



\_\_\_\_\_ = EXISTING  
----- = NEW

Data elements:

**ASR Form:**

REQTYP = V

**TRANSPORT Form:**

N/U  
BSC

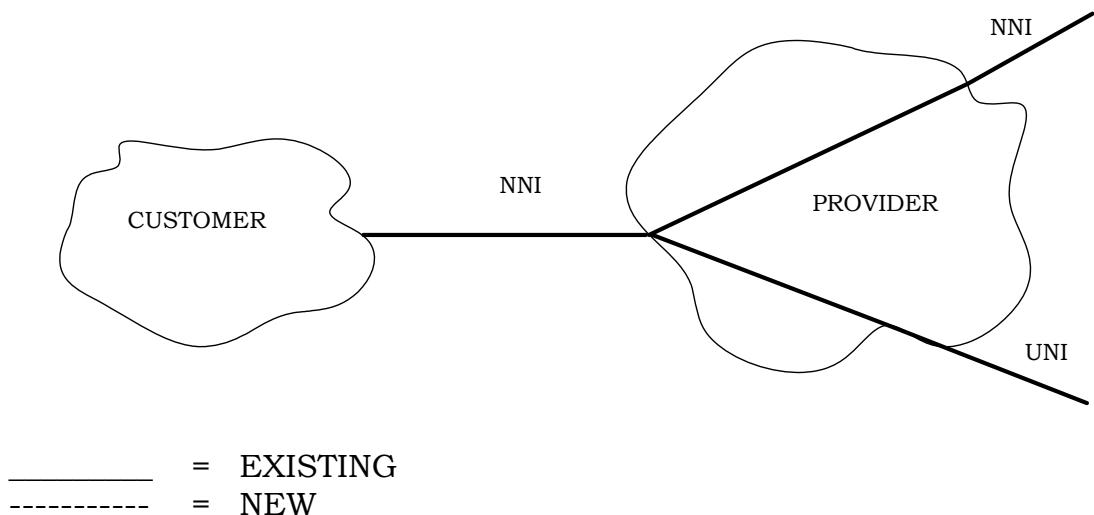
**SALI FORM:**

AFT  
REF NUM

### 15.3.6 CHANGE VC VALUES

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
VC FORM



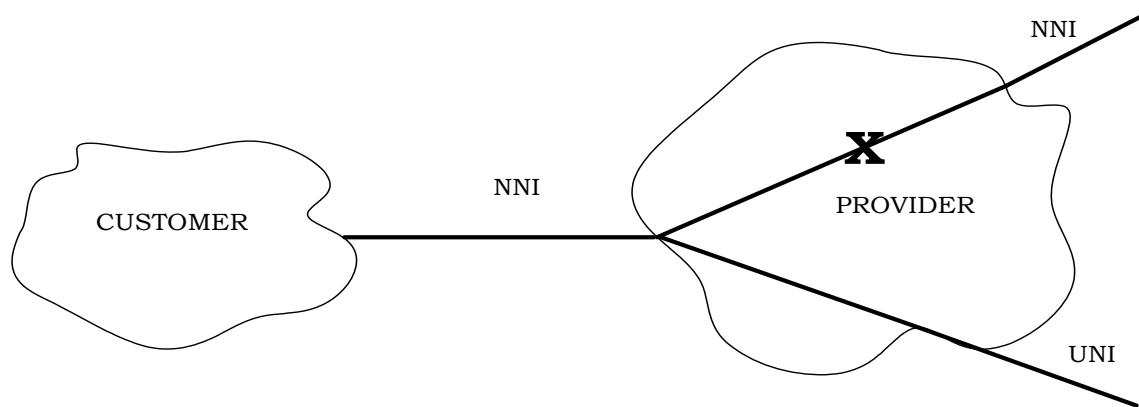
Data elements:

<b>ASR Form:</b>	<b>TRANSPORT Form:</b>	<b>VC Form:</b>	<b>or</b>	<b>VC Form:</b>
REQTYP = V	NVC N/U BSC	VC NUM (1) VCACT = C RPON, RORD or RECCKT		VC NUM (1) VCACT = D RPON, RORD or RECCKT VC NUM (2) VCACT = N RPON, RORD or RECCKT

### 15.3.7 DISCONNECT VC

ORDERING REQUIREMENTS:

ASR FORM  
TRANSPORT FORM  
VC FORM



\_\_\_\_ = EXISTING  
----- = NEW  
X = VC being disconnected

Data elements:

**ASR Form:**

REQTYP = V

**TRANSPORT Form:**

NVC  
BSC

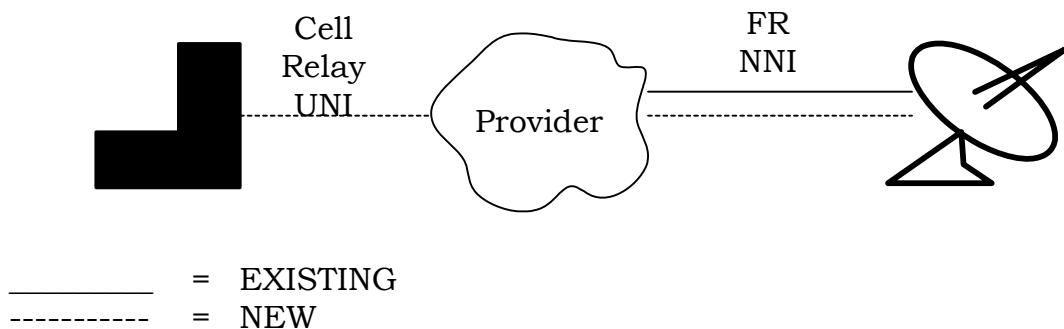
**VC Form:**

VC NUM (1)  
VCACT  
RPON, RORD or RECKT

### 15.3.8 ESTABLISH NEW UNI WITH VC (CELL RELAY TO FRAME RELAY)

ORDERING REQUIREMENTS:

ASR FORM  
EUSA FORM  
VC FORM



Data elements:

**ASR Form:**

REQTYP = X

**EUSA Form**

NVC

N/U

BSC = C

**VC Form:**

VC NUM

VC ACT

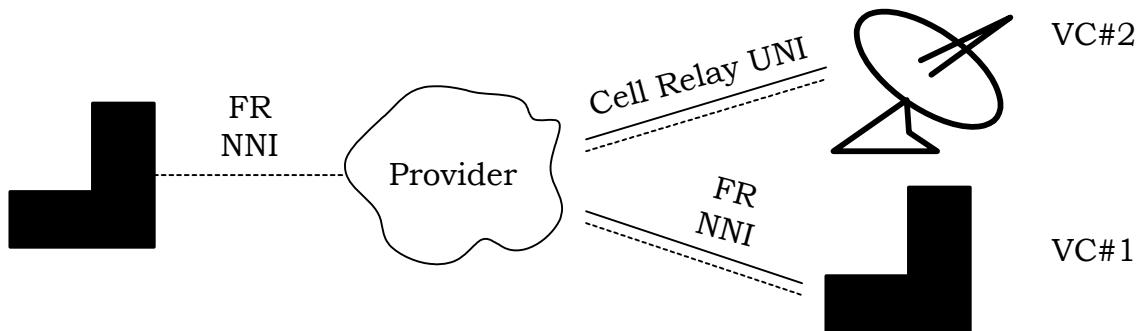
VST = B

RPON, RORD, or RECKKT

**15.3.9 ESTABLISH NEW UNI WITH VCS (VC #1 FRAME RELAY TO FRAME RELAY, VC #2 FRAME RELAY TO CELL RELAY)**

ORDERING REQUIREMENTS:

ASR FORM  
EUSA FORM  
VC FORM



— = EXISTING  
- - - - = NEW

Data elements:

<b>ASR Form:</b>	<b>EUSA Form:</b>	<b>VC Form #1</b>	<b>VC Form #2</b>
REQTYP = X	NVC	VC NUM	VC NUM
	N/U	VC ACT	VC ACT
	BSC=F	RPON, RORD, or RECKT	VST = A RPON, RORD, or RECKT

NETWORK PLANNING SESSION

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	16.1
PLANNING SESSION DESCRIPTION	16.2
PLANNING SESSION ISSUES	16.3
PLANNING SESSION CHECKOFF LIST	16.4
EXHIBIT 1	16.5

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 16. NETWORK PLANNING SESSION

16.1 **GENERAL** This section provides an industry guideline of information that may be exchanged between the Local Exchange Carrier (LEC) and Certified Local Exchange Carrier (CLEC) to facilitate the exchange of traffic.

16.2 **PLANNING SESSION DESCRIPTION** The planning session allows the LEC and CLEC to identify the End Offices and Tandems that they plan to utilize to serve their customer base. Exhibit 1 shows a typical network to be discussed during the session. This session will identify the estimate of trunks desired to start service in the LATA or local geographic area. To help move this session along, a checklist of items that may need to be exchanged has been provided in this overview. It should be noted that this list may or may not satisfy all of the requirements of the planning session and should only be used as a guide.

16.3 **PLANNING SESSION ISSUES** Issues that may need to be addressed at a planning session include:

1. Projected Service Area
  - State/Province
  - LATA
  - MTA/MSA (wireless)
  - CLEC Forecast
2. POI
  - CLEC Location
  - CLEC Type (e.g., customer premises, mid span meet, collocation [physical, virtual and microwave]).
  - ILEC Location
  - ILEC Type (e.g., customer premises, mid span meet, collocation [physical, virtual and microwave]).

3. Trunk Group

- A/Z Trunk Group
- Trunk Quantity
- Interface (electrical characteristics: T1/T3/Optical, etc.)
- Directionality
- Signaling (MF/SS7)
- NC/NCI (subset of this is B8ZS/ESF)
- Traffic Type
- Alternate Routing (IH, PH, AF, DF)
- TQ

4. Traffic Types

- LT (Local IntraLATA Toll)
- CH (Choke)
- TS
- E9 (E911)
- PN (Portable Numbering for EO DID Trunking)
- OP
- DA
- DC (DA with Call Completion)
- IR (Intercept)
- VR (Verification)

#### 16.4 PLANNING SESSION CHECKOFF LIST

##### CLEC TO PROVIDER

- ACNA/CCNA
- CC
- Access Customer Switch Location/SECLOC/Point Code
- Switch Type, Switch CLLI Code
- ACTL
- Choke Code
- Forecast
- Homing/subtending (NPA/NXX which may be required 60-90 days prior to meeting)
- Projected Due Date
- Class Features Information Exchange
- ASR Contact
- Project ID
- Number Portability (Interim)
- DID Like
- Remote Call Forwarding
- RI
- None
- Tariff/Pricing Information
- # of Digits out pulsed
- Trunk Testing (102/105/108 Test line numbers)
- Milliwatt number for all
  - NPA/NXXs
- CCS7 Requirements

#### 16.4 PLANNING SESSION CHECKOFF LIST (CONTINUED)

##### ILEC TO PROVIDER

- ACNA/CCNA
- CC
- Provider Switch (CLLI Code, Types, 0ZZ Codes)
- CCS7 Requirements, Compliance and Scheduling (Point Codes, STP, SCRP, etc.)
- ACTL
- Choke Codes
- CIC
- 911/Public Safety Answering Points (PSAP) Location
- E911/Tandem CLLI Code
- Forecast (when applicable)
- Projected In-Service Date
- Class Features Information Exchange
- ASR Contacts
- Project ID
- Number Portability (Interim)
  - DID Like
  - RCF
  - RI
  - None
- Tariff/Pricing Information
- # of Digits Outpulsed
- Trunk Testing (102/105/108 testlines)
- Milliwatt number for all
  - NPA/NXXs
- Non-Standard Dial arrangement (e.g., initiated by Tariff like Service Call Plans and/or PSC mandated)

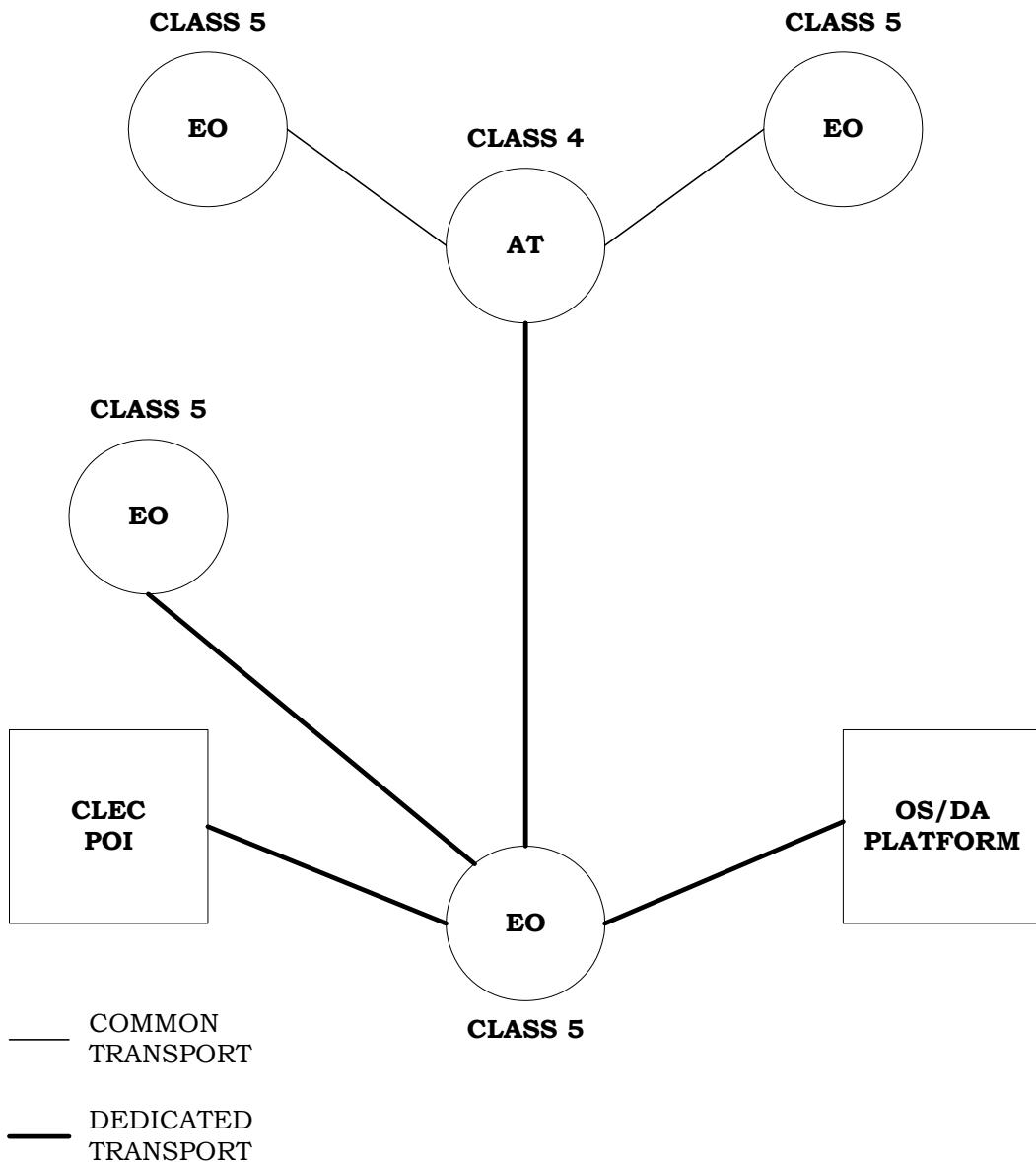
#### OTHER ITEMS FOR DISCUSSION

- LIDB (Name of Provider)
- Service Access Codes (NYY---)
- Loop Types (2w/4w, type/ISDN, HDSL, etc.)
- Ports
- Transport (IOF, Common, Shared)
- Switching Elements (line and trunk Ports)
- Interoffice Transport
- Operator Services and DA
- OSS (Operation Support System)
- NID
- Customize Selective Routing

## 16.5 EXHIBIT 1

### UNBUNDLED TRANSPORT

#### UNBUNDLED SWITCH - LOCAL ONLY



NETWORK ASSIGNMENT INFORMATION (NAI)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL_____	17.1
ASSUMPTIONS_____	17.2
NETWORK ASSIGNMENT INFORMATION ORDERING CONFIGURATIONS_____	17.3
2 POINT SERVICE WITH 1 INTERMEDIATE CFA (ICFA1) _____	17.3.1
DS1 CIRCUIT ROUTED ON 2 FIBER UNI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS_____	17.3.2
DS1 CIRCUIT ROUTED ON 2 FIBER BI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS_____	17.3.3
DS1 CIRCUIT ROUTED ON 2 FIBER UNI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS WITH DROP PORT EQUIPMENT ASSIGNMENTS AT LOCATION A OR LOCATION Z (DPEAA/DPEAZ) _____	17.3.4
DS1 CIRCUIT DESIGNED AS “DROP AND CONTINUE” WITH DUAL HOME INTERFACE ARRANGEMENTS _____	17.3.5

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 17. NETWORK ASSIGNMENT INFORMATION

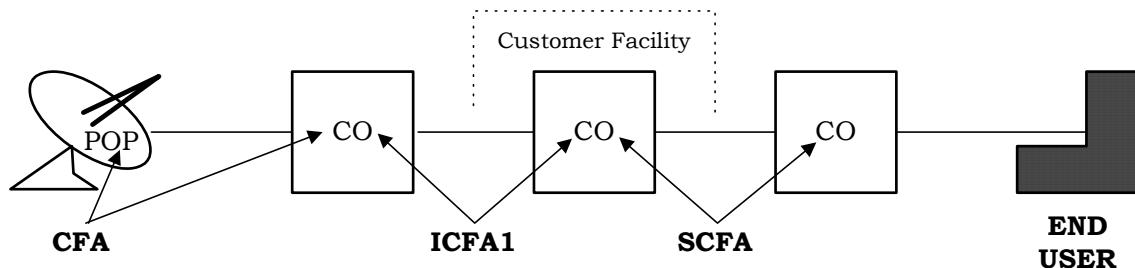
17.1 **GENERAL** Network Assignment Information (NAI) Form is to be used when the customer is providing Intermediate Connecting Facility Assignment(s) (ICFA), alternate facility/ACTL and/or Drop Port Equipment Assignment(s) (DPEAA/DPEAZ). This form may be needed in addition to the service specific form.

### 17.2 ASSUMPTIONS

1. Customers and providers have to agree on availability and use of the NAI Form.
2. The higher level facilities being assigned to will have been previously established.

### 17.3 NETWORK ASSIGNMENT INFORMATION ORDERING CONFIGURATIONS

#### 17.3.1 2 POINT SERVICE WITH 1 INTERMEDIATE CFA (ICFA1)



#### ORDERING REQUIREMENTS

##### ASR FORM

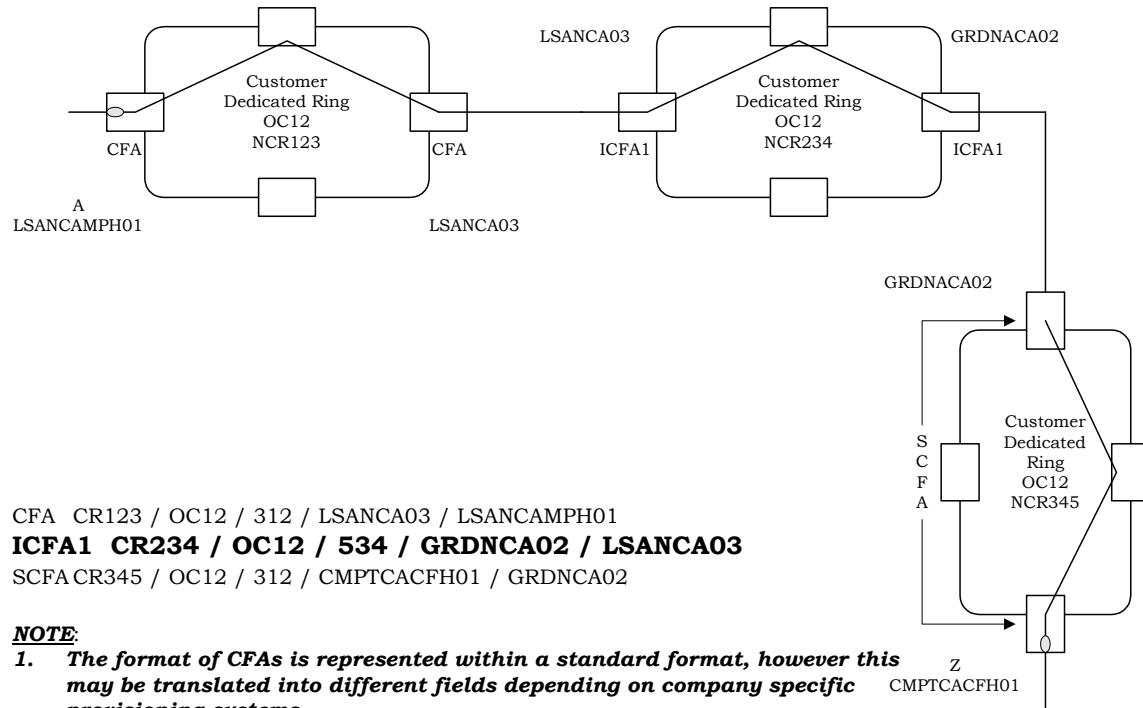
REQTYP = S  
AFO  
QNAI

##### TRANSPORT FORM

##### NAI FORM

REF NUM  
ICFA1

### 17.3.2 DS1 CIRCUIT ROUTED ON 2 FIBER UNI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS



### ORDERING REQUIREMENTS

#### ASR FORM

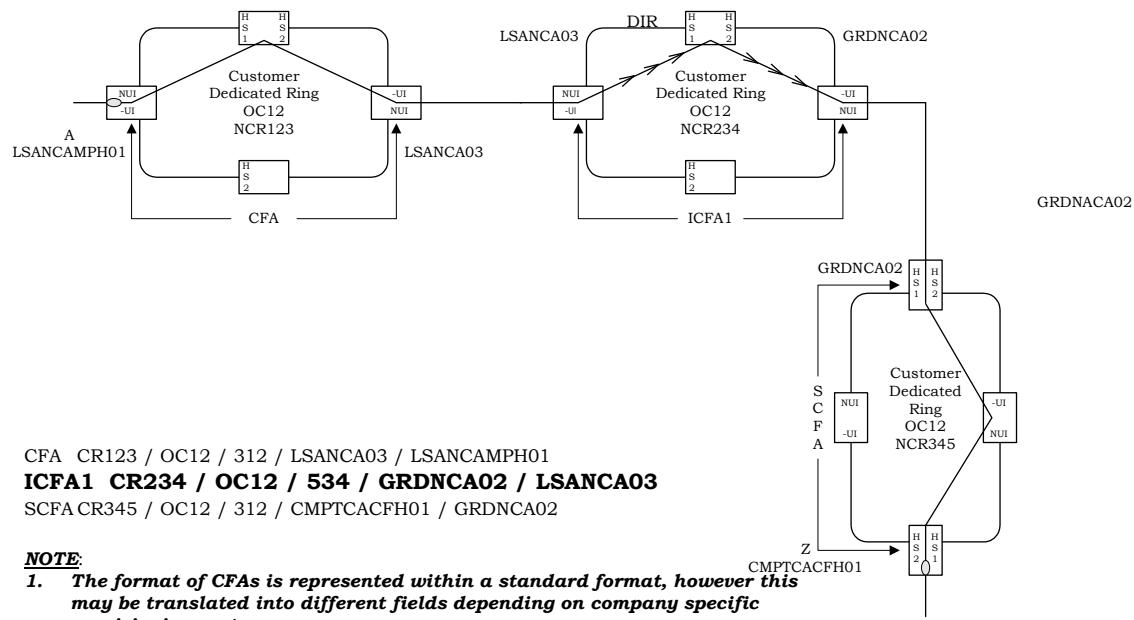
REQTYP = S  
AFO  
QNAI

#### TRANSPORT FORM

#### NAI FORM

REF NUM  
ICFA1  
IFNI1

### 17.3.3 DS1 CIRCUIT ROUTED ON 2 FIBER BI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS



### ORDERING REQUIREMENTS

#### ASR FORM

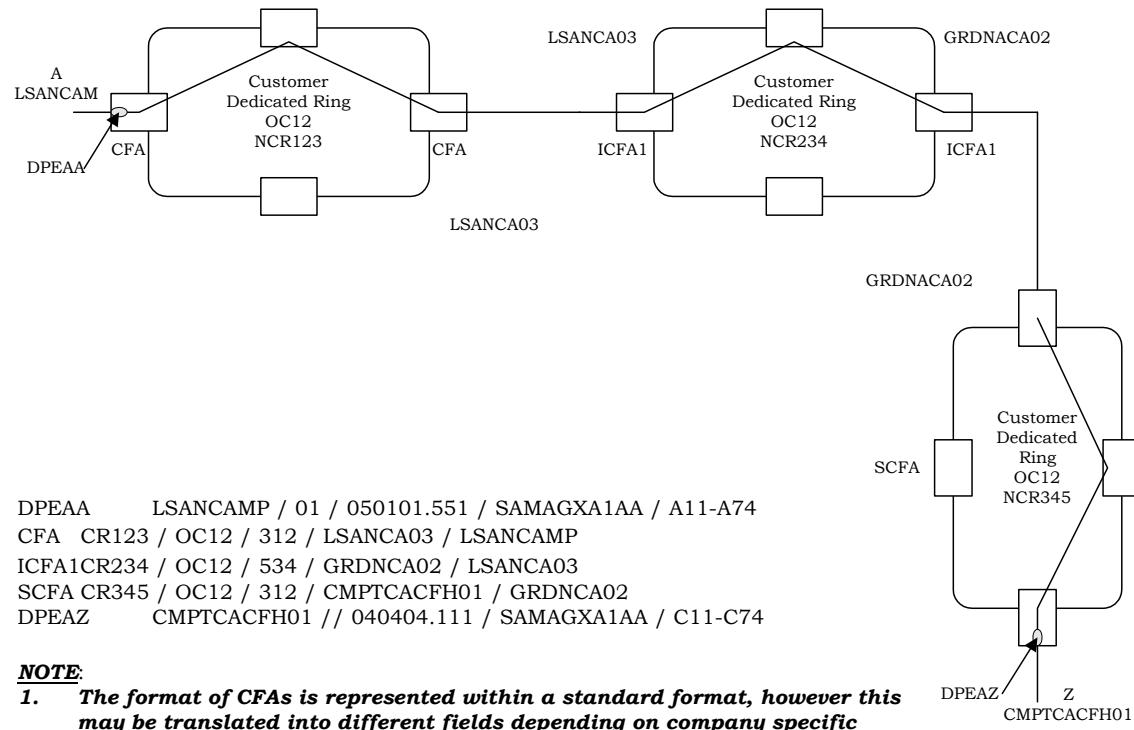
REQTYP = S  
AFO  
QNAI

#### TRANSPORT FORM

#### NAI FORM

REF NUM  
ICFA1  
DIR  
IFNI1

#### 17.3.4 DS1 CIRCUIT ROUTED ON 2 FIBER UNI-DIRECTIONAL NETWORK OVER 3 CUSTOMER DEDICATED RINGS WITH DROP PORT EQUIPMENT ASSIGNMENTS (DEPAA / DPEAZ)



#### ORDERING REQUIREMENTS

##### ASR FORM

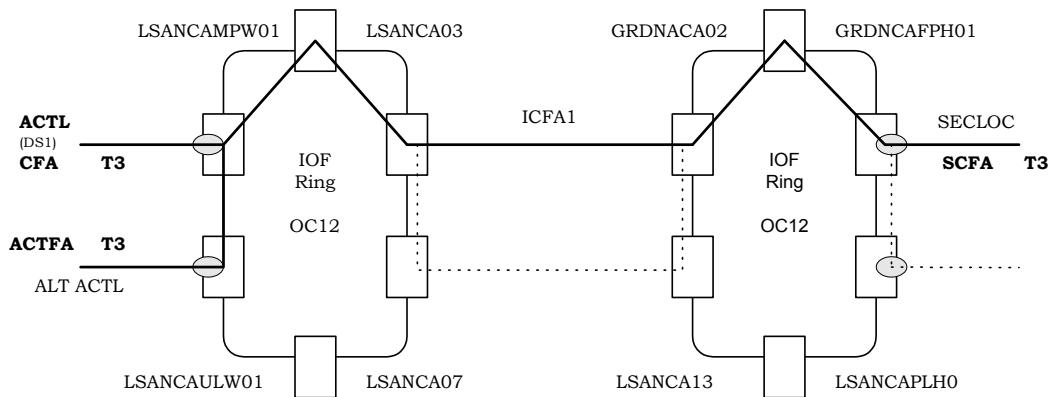
REQTYP = S  
AFO  
QNAI

##### TRANSPORT FORM

##### NAI FORM

REF NUM  
DPEAA  
DPEAZ  
ICFA1  
IFNI1

### 17.3.5 DS1 CIRCUIT DESIGNED AS “DROP & CONTINUE” WITH DUAL HOME INTERFACE ARRANGEMENTS



ACTL LSANCAMPW01  
CFA 201 / T3 / 24 / LSANCAMPW01 / LSANCAMP  
ALT ACTL LSANCAULW01  
ACFA 201 / T3 / 11 / LSANCAULW01 / LSANCAUL  
ICFA1202 / T3 / 1 / GRDNACA02 / LSANCA03  
SECLOC GRDNCAFPH01  
SCFA 201 / T3 / 13 / GRDNCAFPH01 / GRDNCAFP

NOTE:

1. *The format of CFAs is represented within a standard format, however this may be translated into different fields depending on company specific provisioning systems.*

#### ORDERING REQUIREMENTS

##### ASR FORM

REQTYP = S  
AFO  
QNAI

##### TRANSPORT FORM

##### NAI FORM

REF NUM  
ACFA  
DPEAZ  
ALT ACTL

**THIS PAGE INTENTIONALLY LEFT BLANK.**

CLARIFICATION/NOTIFICATION REQUEST

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	18.1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **18. CLARIFICATION/NOTIFICATION REQUEST**

18.1 **GENERAL** The Clarification/Notification Request Form (C/NR) is prepared by the provider and is forwarded to the customer. This form requests information required to continue processing the ASR. The use of this practice is optional.

The intent is to streamline the process between customers and providers to resolve discrepancies on the ASR. It is not intended to replace existing error notification procedures; however, it may be used to augment them.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## SERVICE ADDRESS LOCATION INFORMATION (SALI)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	19.1
ASSUMPTIONS	19.2
SERVICE ADDRESS LOCATION INFORMATION ORDERING CONFIGURATIONS	19.3
2 POINT SPECIAL ACCESS SERVICE WITH 1 SERVICE ADDRESS	19.3.1
MULTIPOINT SPECIAL ACCESS SERVICE WITH 2 SERVICE ADDRESSES	19.3.2
A COMBINATION OF SERVICES (A FGA SERVICE IN LATA-A AND A SPECIAL ACCESS SERVICE IN LATA-B)	19.3.3
2 POINT END USER SPECIAL ACCESS SERVICE	19.3.4
4 NODE RING WITH 2 END USER LOCATIONS	19.3.5

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **19. SERVICE ADDRESS LOCATION INFORMATION**

**19.1 GENERAL** The Service Address Location Information (SALI) Form is to be used when the customer is providing service address information required for the provisioning of service.

### **19.2 ASSUMPTIONS**

1. The SALI Form will apply to non-telephone company customer designated locations, regardless of the type of service being ordered.
2. A SALI Form may be required by some providers when a customer designated location is identified by a CLLI code, depending on the service being ordered.
3. Individual trading partners will have agreed upon a common set of abbreviations for address information.
4. Each SALI Form will be tied to a specific PRILOC or SECLOC based on REF NUM.
  - a. An entry in the Primary Location Indicator (PI) field on the SALI Form will identify that a specific location is the Primary Location (PRILOC) of the circuit.
  - b. For multi-point service, each SALI REF NUM entry will match the MSL REF NUM with which it is associated.
  - c. PRILOCs and SECLOCs that do not require service address information do not need to be identified on a SALI Form. Section 19 outlines this configuration.
  - d. REF NUM must be presented in sequence of the configuration of the circuit for locations that require service address information be provided.

## 19.3 SERVICE ADDRESS LOCATION INFORMATION ORDERING CONFIGURATIONS

### 19.3.1 2 POINT SPECIAL ACCESS SERVICE WITH 1 SERVICE ADDRESS

ORDERING REQUIREMENTS:

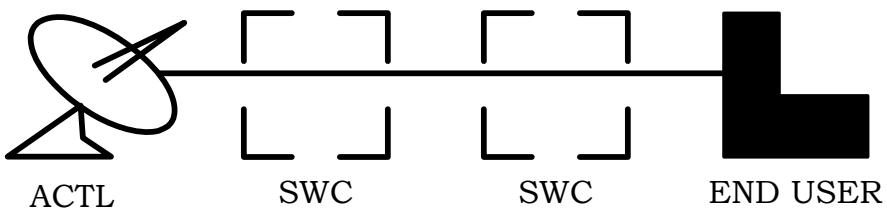
ASR FORM

QSA = 1

TRANSPORT FORM (assumed REF NUM 0001)

SALI FORM

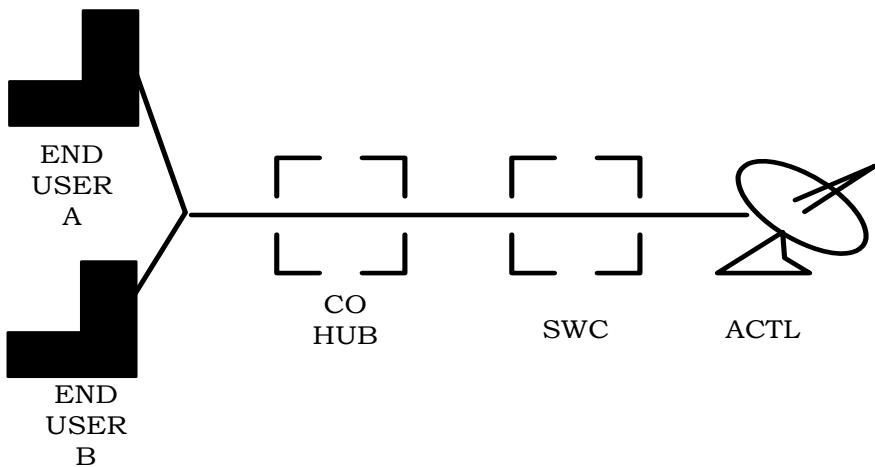
REF NUM = 0001 (assumed REF NUM 0001)



### 19.3.2 MULTI POINT SPECIAL ACCESS SERVICE WITH 2 SERVICE ADDRESSES

#### ORDERING REQUIREMENTS:

ASR FORM  
QSA = 2  
TRANSPORT FORM  
(2) MSL FORMs  
REF NUM = 0002  
REF NUM = 0003  
(2) SALI FORMs  
REF NUM = 0002  
REF NUM = 0003



### 19.3.3 A COMBINATION OF SERVICES (A FGA SERVICE IN LATA-A AND A SPECIAL ACCESS SERVICE IN LATA-B)

#### ORDERING REQUIREMENTS:

ASR FORM

QSA = 3

TRANSPORT FORM

(assumed REF NUM = 0001)

(4) MSL FORMs

SALI FORM

REF NUM = 0002

PI = blank

SALI FORM

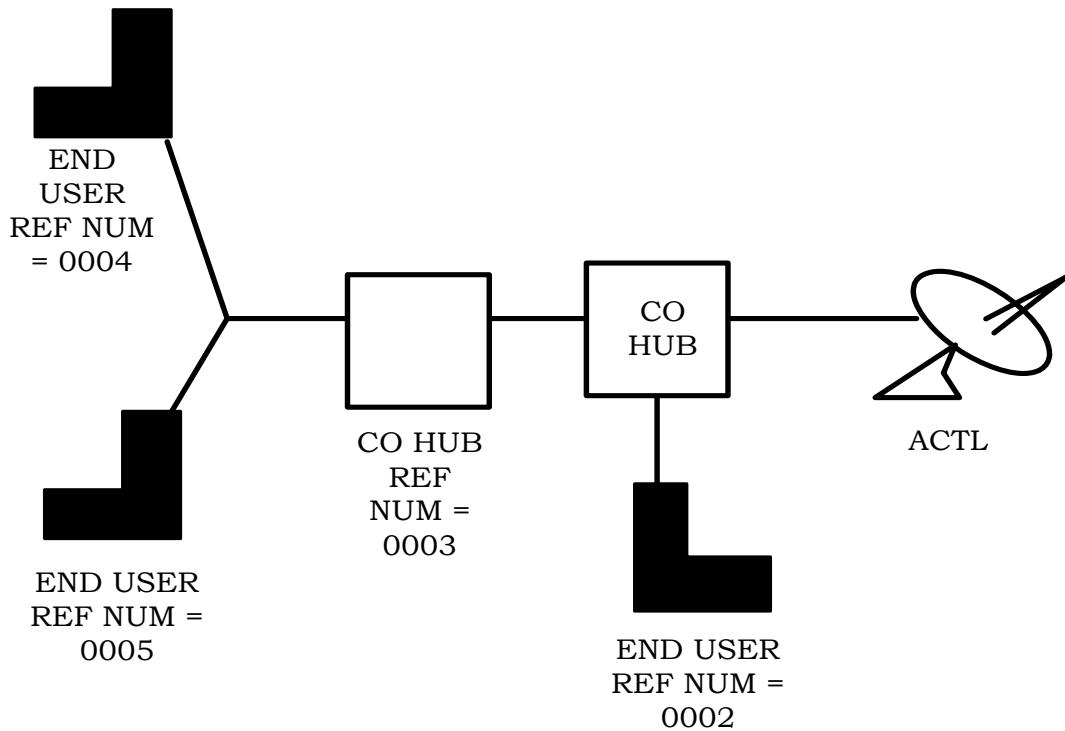
REF NUM = 0004

PI = blank

SALI FORM

REF NUM = 0005

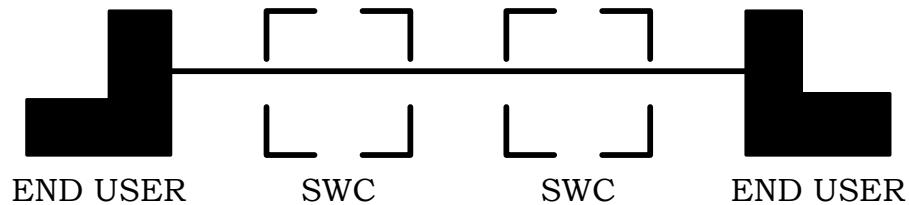
PI = blank



#### 19.3.4 **2 POINT END USER SPECIAL ACCESS SERVICE**

##### ORDERING REQUIREMENTS:

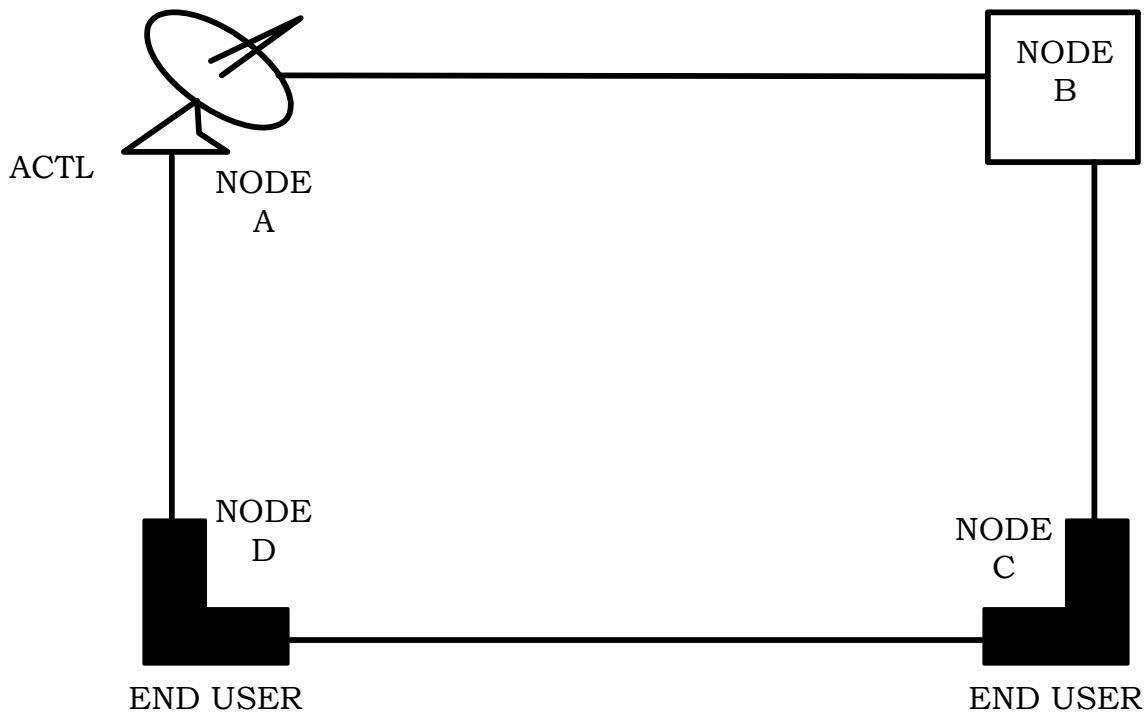
ASR FORM  
QSA = 2  
EUSA FORM  
PRILOC  
SECLOC  
SALI FORM #1  
PI = Y (This indicates primary location)  
SALI FORM #2  
PI = blank



### 19.3.5 4 NODE RING WITH 2 END USER LOCATIONS

#### ORDERING REQUIREMENTS:

ASR FORM  
QSA = 2  
RING FORM (Assumed REF NUM = 0001)  
ARI FORM #1  
REF NUM = 0002  
ARI FORM #2  
REF NUM = 0003  
ARI FORM #3  
REF NUM = 0004  
SALI FORM #1  
REF NUM = 0003  
SALI FORM #2  
REF NUM = 0004



**THIS PAGE INTENTIONALLY LEFT BLANK.**

## POR TS CONFIGURATION (PC)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	20.1
ASSUMPTIONS	20.2
POR TS CONFIGURATION INFORMATION ORDERING	20.3
2 POINT SPECIAL ACCESS SERVICE WITH 1 SERVICE ADDRESS WITH POR TS CONFIGURATION REQUIRED	20.3.1
ESTABLISH 4 NODE RING-POP ON RING AT LOCATION C WITH POR TS CONFIGURATION REQUIRED	20.3.2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 20. PORTS CONFIGURATION INFORMATION

20.1 **GENERAL** The Ports Configuration (PC) Form is to be used when the customer is requesting service that utilizes a new generation multiplexer whose ports configuration can not be ascertained within the NCI/SECNCI codes associated with the requested service.

The PC Form may be used in conjunction with the following types of service:

- 2-point Special Access (REQTYP "S")
- End User Special Access (REQTYP "E")
- Switched Access (REQTYP "M" combination transport and trunking order only)
- Ring Services (REQTYP "R")

For Special Access services, the PC Form and the Multipoint Service Legs (MSL) Form are mutually exclusive

### 20.2 ASSUMPTIONS

1. The PC Form will apply to defining the equipment parameters associated with multiplexers that accommodate drop port combinations that exceed what can typically be defined within the NCI/SECNCI codes.
2. The PORTS field on the Ring Form will continue to be used for Ports information, relative to SONET rings, for multiplexers whose configuration can be defined within the NCI/SECNCI codes.
3. The PC Form will accommodate up to a maximum of ninety-nine (99) port references for a service location (ACTL/FACTL/PRILOC and/or SECLOC).
4. When used in conjunction with REQTYPs "S", "E", or "M", the ports information provided on the PC Form will apply to the specified service location (ACTL/FACTL/PRILOC and/or SECLOC) for all of the circuits requested on the ASR. The customer will enter a value of "0001" in the REF NUM field on the PC Form. REF NUM values greater than "0001" on the PC Form for these REQTYPs are not valid.

## 20.2 ASSUMPTIONS (CONT'D)

5. When used in conjunction with REQTYP "R", the ports information provided on the PC Form will apply to the designated node on the Ring and/or Additional Ring Information (ARI) Forms. The customer will enter the appropriate REF NUM value that matches the REF NUM on the Ring and/or ARI Forms to which the ports information is to be applied.
6. The valid entries defined for the Ports Type (PTYP) field are the known values that are applicable at the time of this ASOG version. Use of the "ZZ" value between trading partners is to be an interim measure and it is expected that those trading partners will follow OBF procedures to acquire a standard code for ongoing purposes.

## 20.3 PORTS CONFIGURATION INFORMATION ORDERING

### 20.3.1 2 POINT SPECIAL ACCESS SERVICE WITH 1 SERVICE ADDRESS WITH PORTS CONFIGURATION REQUIRED AT SECLOC

#### ORDERING REQUIREMENTS:

ASR FORM

QSA = 1

TRANSPORT FORM (assumed REF NUM 0001)

QPR = nn (where 'nn' specifies the number of Ports References to be configured)

SALI FORM

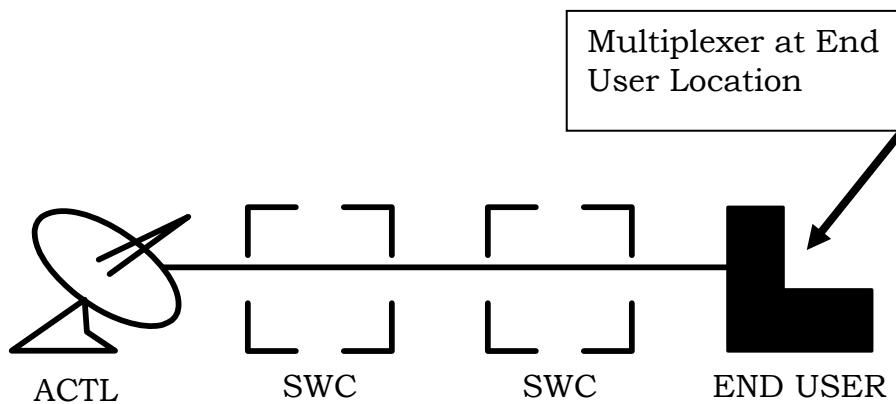
REF NUM = 0001

PC FORM

REF NUM = 0001

PI = blank

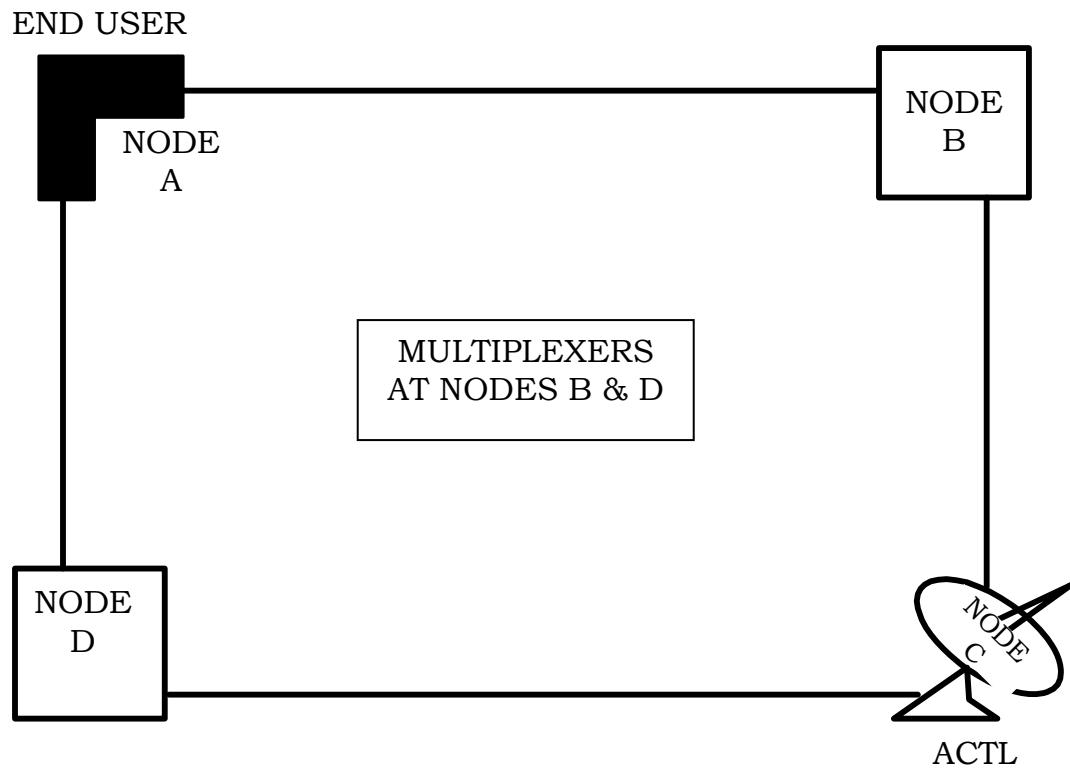
PREF = 01 thru 99 equaling the value specified in the QPR field on the Transport Form



**20.3.2 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION C WITH PORTS CONFIGURATIONS REQUIRED AT 2 NODES**

ORDERING REQUIREMENTS:

ASR FORM  
RING FORM  
(3) ARI FORMs  
SALI FORM  
(2) PC FORMs



**20.3.2 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION C  
WITH PORTS CONFIGURATIONS REQUIRED AT 2 NODES (CONT'D)**

ASR FORM

REQTYP = "R"

QTY = "4" (number of segments)

QSA = "1" (number of end user locations with service address)

RING FORM (segment A to B)

NC

NCI

PRILOC = "E"

SECLOC = "C" + CLLI Code ("B" location)

REF NUM = assumed REF NUM 0001

ARI FORM #1 (segment B to C)

NC

NCI

PRILOC = "C" + CLLI Code

SECLOC = "C" + CLLI Code ("C" location)

REF NUM = "0002"

PQPR = "nn"

ARI FORM #2 (segment C to D)

NC

NCI

PRILOC = "C" + CLLI Code

SECLOC = "C" + CLLI Code ("D" location)

REF NUM = "0003"

ARI FORM #3 (segment D to A)

NC

NCI

PRILOC = "C" + CLLI Code

SECLOC = "E" + End User Name ("A" location)

REF NUM = "0004"

PQPR = "nn"

**20.3.2 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION C  
WITH PORTS CONFIGURATIONS REQUIRED AT 2 NODES (CONT'D)**

SALI FORM

REF NUM = blank (assumed 0001)  
PI = "Y"  
EU NAME = End User Name  
Service Address Detail as applicable

PC FORM #1

REF NUM = "0002" (Node 'B')  
PI = "Y"  
PREF = 01 thru 99 equaling the value specified in the PQPR field on  
the ARI Form#1

PC FORM #2

REF NUM = "0004" (Node 'D')  
PI = "Y"  
PREF = 01 thru 99 equaling the value specified in the PQPR field on  
the ARI Form#3

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## ETHERNET VIRTUAL CONNECTION (EVC)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	21.1
EVC ORDERING GUIDELINES	21.2
STAND ALONE ORDERING	21.2.1
COMBINATION ORDERING	21.2.2
STAND ALONE EVC CONFIGURATIONS	21.3
NEW INSTALL MULTIPPOINT TO MULTIPPOINT	21.3.1
NEW INSTALL MULTIPPOINT TO MULTIPPOINT WITH BGP	21.3.2
CHANGE REQUEST – MULTIPPOINT TO MULTIPPOINT	21.3.3
Remove one level of service and changed bandwidth	
CHANGE REQUEST – MULTIPPOINT TO MULTIPPOINT	21.3.4
Remove existing UNI termination and add new UNI termination	
NEW INSTALL - POINT TO POINT	21.3.5
NEW INSTALL - POINT TO POINT WITH VLAN STACKING	21.3.6
NEW INSTALL - POINT TO POINT WITH BGP	21.3.7
NEW INSTALL - EVC MEET POINT	21.3.8
COMBINATION EVC CONFIGURATIONS	21.4
NEW INSTALL (REQTYP S)-PHYSICAL PORT WITH MULTIPPOINT TO MULTIPPOINT EVC	21.4.1
NEW INSTALL (REQTYP E)-PHYSICAL PORT WITH MULTIPPOINT TO MULTIPPOINT EVC	21.4.2
NEW INSTALL (REQTYP S)-PHYSICAL PORT WITH POINT TO POINT EVC	21.4.3

NEW INSTALL (REQTYP E)-PHYSICAL PORT WITH  
POINT TO POINT EVC \_\_\_\_\_ 21.4.4

DISCONNECT (REQTYP S)-PHYSICAL PORT WITH  
MULTIPOINT TO MULTIPOINT EVC \_\_\_\_\_ 21.4.5

DISCONNECT (REQTYP E)-PHYSICAL PORT WITH  
POINT TO POINT EVC \_\_\_\_\_ 21.4.6

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 21. ETHERNET VIRTUAL CONNECTION SERVICE (EVC)

**21.1 GENERAL** Ethernet Virtual Connection Service involves the ordering of the virtual Ethernet path through the network. At least one of the physical ports to which the Ethernet virtual connection service that will either ingress or egress must already be established or be in the ordering process prior to the submission of an EVC request or an EVC and UNI/ENNI (physical port) combination request.

Throughout this document, the term “EVC” shall be interpreted to include both Ethernet Virtual Connections (EVC), and Operator Virtual Connections (OVC).

There are two different service configurations based on the segmented ordering of ports and virtual connections. One being Metro Ethernet Services and the other being specialized Ethernet aggregation services based upon provider service offerings.

Stand alone ordering of an EVC differs from the standard ordering process in that the EVC Form is treated as the service specific form. Therefore an ASR Form and an EVC Form are all that are required when ordering an EVC. The ASR Form will identify that an EVC is being ordered by the population of the Ethernet Virtual Connection Indicator (EVCI=A). The EVC Form will contain all the EVC attributes. No other forms should accompany this request. The REQTYP associated with ordering of a stand alone EVC is “S”.

Combination ordering follows the standard ordering process in that a service specific form will accompany the request. The different service configurations are as follows:

- Switched Ethernet Services (Metro Ethernet model)
- Specialized Ethernet aggregation services

For Switched Ethernet Services the standard ordering process will include a Switched Ethernet Services (SES) Form. The ASR will identify that a Switched Ethernet combination is being ordered by the population of the Ethernet Virtual Connection Indicator (EVCI=B) and the Switched Ethernet Indicator (SEI = Y). The EVC Form will contain the EVC attributes and the SES Form will contain the UNI/ENNI attributes. The REQTYP associated with ordering of a Switched Ethernet combination is “S” or “E”.

## 21.1 **GENERAL** (continued)

For specialized Ethernet aggregation services the standard ordering process will include either a Transport or an End User Special Access Form. The ASR will identify that an EVC and a specialized Ethernet aggregation service is being ordered by the population of the Ethernet Virtual Connection Indicator (EVCI=B), and the SEI field is blank. The EVC Form will contain the EVC attributes and the Transport/EUSA Form will contain the specialized Ethernet aggregation attributes. The REQTYP associated with ordering of a specialized Ethernet aggregation combination is "S" or "E".

## 21.2 **ETHERNET VIRTUAL CONNECTION ORDERING GUIDELINES**

### **21.2.1 STAND ALONE ORDERING**

The following items pertain to the ordering of an Ethernet Virtual Connection where no physical connection is included on the same request.

- Only one, (QTY = 1), EVC/OVC can be ordered on a single ASR
- A single EVC/OVC can be ordered with multiple levels of service (LOS) or a single level of service
- Up to 20 UNI/ENNI terminations may be associated to the EVC/OVC on the requested ASR
- If more than 20 UNI/ENNI terminations are needed, additional ASRs must be provided with "C" Activity
- The Ethernet virtual connection switch CLLI will be provided on the EVC Form therefore a SALI Form is prohibited
- The EVC Form becomes the service specific form for an EVC/OVC request
- Ordering the physical and virtual connection on a single ASR is not permitted

## **21.2.2 COMBINATION ORDERING**

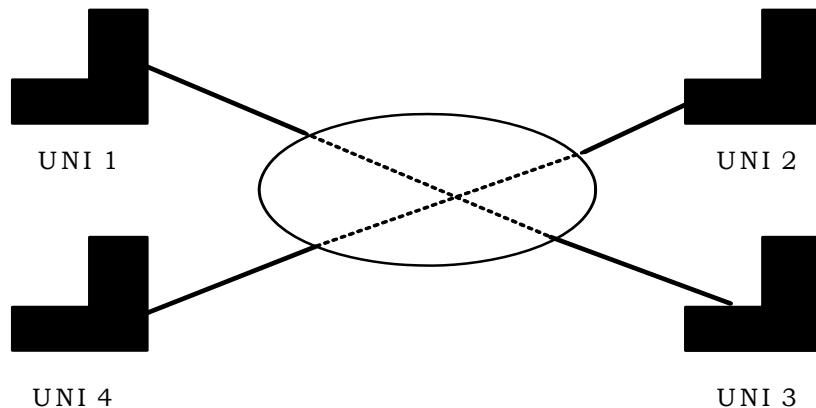
The following items pertain to the ordering of an Ethernet Virtual Connection where the physical connection is included on the same request.

- Only one, (QTY = 1), EVC/OVC can be ordered on a single ASR
- Only one, (QTY=1), UNI/ENNI can be ordered together with the EVC on a single ASR.
- A single EVC/OVC can be ordered with multiple levels of service (LOS) or a single level of service
- Up to 20 UNI/ENNI terminations may be associated to the EVC on the requested ASR
  - If more than 20 UNI/ENNI terminations are needed, multiple ASRs must be provided. Additional ASRs are to be issued as stand alone with "C" Activity.
- A service specific form will accompany an EVC request

### **21.3 STAND ALONE ETHERNET VIRTUAL CONNECTION CONFIGURATIONS**

The following configurations are examples only. The fields listed are common to the EVC service. For specific application, additional data elements may apply.

Throughout these examples, the term “UNI” shall be interpreted to include UNI, and ENNI.



### 21.3.1 NEW INSTALL – MULTIPONT TO MULTIPONT

#### Multipoint to Multipoint EVC PORT BASED VLAN with PBIT and 3 LOS

<b>ASR Form</b>							
REQTYP = S							
ACT = N							
ACTL = Prohibited							
QTY = 1							
EVCI = A							
		<b>EVC Form</b>					
<b>EVC Detail Section</b>		<b>UNI Mapping Section – UNI #1</b>					
EVC NUM = 0001		UREF = 1					
NC = MP2MP		UACT = N					
NUT = 04		NCI = Port based/VLAN/PBIT					
EVCID = N/A		L2CP = As needed					
		RUID = ECCKT of UNI#1					
		Or					
		RPON = PON of UNI #1 ASR					
		EVCSP = CLLI					
		VACT = Optional					
		CE-VLAN = Optional					
		S-VACT = As needed					
		S-VLAN = As needed					
		SVP = As needed					
<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	GOLD	Priority Bit value 0 - 7	Bandwidth			
2	N	SILVER	Priority Bit value 0 - 7	Bandwidth			
3	N	BRONZE	Priority Bit value 0 - 7	Bandwidth			

### 21.3.1 NEW INSTALL – MULTIPONT TO MULTIPONT (CONTINUED)

<b>UNI Mapping Section – UNI #2</b>				
UREF	= 2			
UACT	= N			
NCI	= Port based/VLAN/PBIT			
L2CP	= As needed			
RUID	= ECCKT of UNI#2			
or				
RPON	= PON of UNI#2 ASR			
EVCSP	= CLLI			
VACT	= Optional			
CE-VLAN	= Optional			
S-VACT	= As needed			
S-VLAN	= As needed			
SVP	= As needed			
<b>UREF #2 LOS Mapping</b>				
LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS
1) N	GOLD	Priority Bit value 0 - 7	Bandwidth	
2) N	SILVER	Priority Bit value 0 - 7	Bandwidth	
3) N	BRONZE	Priority Bit value 0 - 7	Bandwidth	
<b>UNI Mapping Section – UNI #3</b>				
UREF	= 3			
UACT	= N			
NCI	= Port based/VLAN/PBIT			
L2CP	= As needed			
RUID	= ECCKT of UNI #3			
or				
RPON	= PON of UNI #3 ASR			
EVCSP	= CLLI			
VACT	= Optional			
CE-VLAN	= Optional			
S-VACT	= As needed			
S-VLAN	= As needed			
SVP	= As needed			

### **21.3.1 NEW INSTALL – MULTIPONT TO MULTIPONT (CONTINUED)**

<b>UREF #3 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC		PBIT	BDW	DSCP or TOS
1	N	SILVER		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	
<b>UNI Mapping Section – UNI #4</b>						
UREF	=	4				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID	=	ECCKT of UNI #4				
or						
RPON	=	PON of UNI #4 ASR				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
<b>UREF #4 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC		PBIT	BDW	DSCP or TOS
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	

### 21.3.2 NEW INSTALL – MULTIPPOINT TO MULTIPPOINT WITH BGP

#### Multipoint to Multipoint EVC with BGP at UNI Termination 3

<b>ASR Form</b>						
REQTYP	= S					
ACT	= N					
ACTL	= Prohibited					
QTY	= 1					
EVCI	= A					
<b>EVC Form</b>						
<b>EVC Detail Section</b>		<b>UNI Mapping Section – UNI #1</b>				
EVCI NUM	= 0001	UREF	= 1			
NC	= MP2MP	UACT	= N			
NUT	= 04	NCI	= Port based/VLAN/PBIT			
EVCID	= N/A	L2CP	= As needed			
		RUID	= ECCKT of UNI#1 Or			
		RPON	= PON of UNI #1 ASR			
		EVCSP	= CLLI			
		VACT	= Optional			
		CE-VLAN	= Optional			
		S-VACT	= As needed			
		S-VLAN	= As needed			
		SVP	= As needed			
		ASN	= Prohibited			
		VPN-ID	= Prohibited			
<b>UREF #1 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	GOLD	Priority Bit value 0 - 7	Bandwidth		
2	N	SILVER	Priority Bit value 0 - 7	Bandwidth		
3	N	BRONZE	Priority Bit value 0 - 7	Bandwidth		

### **21.3.2 NEW INSTALL – MULTIPONT TO MULTIPONT WITH BGP (CONTINUED)**

<b>UNI Mapping Section – UNI #2</b>					
UREF	= 2				
UACT	= N				
NCI	= Port based/VLAN/PBIT				
L2CP	= As needed				
RUID	= ECCKT of UNI#2				
or					
RPON	= PON of UNI#2 ASR				
EVCSP	= CLLI				
VACT	= Optional				
CE-VLAN	= Optional				
S-VACT	= As needed				
S-VLAN	= As needed				
SVP	= As needed				
ASN	= Prohibited				
VPN-ID	= Prohibited				
<b>UREF #2 LOS Mapping</b>					
LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1) N	GOLD	Priority Bit value 0 - 7	Bandwidth		
2) N	SILVER	Priority Bit value 0 - 7	Bandwidth		
3) N	BRONZE	Priority Bit value 0 - 7	Bandwidth		
<b>UNI Mapping Section – UNI #3</b>					
UREF	= 3				
UACT	= N				
NCI	= Required				
L2CP	= As needed				
RUID	= ECCKT of UNI #3				
or					
RPON	= PON of UNI #3 ASR				
EVCSP	= CLLI				
VACT	= Optional				
CE-VLAN	= Optional				
S-VACT	= Prohibited				
S-VLAN	= Prohibited				
SVP	= Prohibited				
ASN	= Required				
VPN-ID	= Optional				

### **21.3.2 NEW INSTALL – MULTIPONT TO MULTIPONT WITH BGP (CONTINUED)**

<b>UREF #3 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	SILVER		Bandwidth		
<b>UNI Mapping Section – UNI #4</b>						
UREF	=	4				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID	=	ECCKT of UNI #4				
or						
RPON	=	PON of UNI #4 ASR				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
ASN	=	Prohibited				
VPN-ID	=	Prohibited				
<b>UREF #4 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	

### 21.3.3 CHANGE REQUEST – MULTIPPOINT TO MULTIPPOINT

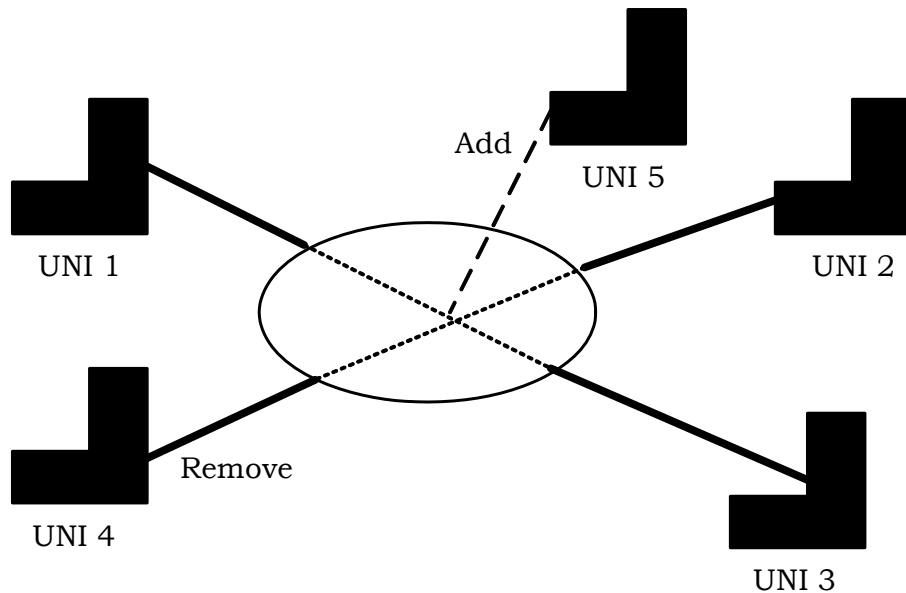
<b>Original -Multipoint to Multipoint EVC PORT BASED VLAN with PBIT and 3 LOS</b>							
<b>Remove Bronze LOS and change bandwidth on Silver LOS</b>							
<b>ASR Form</b>							
REQTYP = S ACT = C ACTL = Prohibited QTY = 1 EVCI = A							
<b>EVC Form</b>							
<b>EVC Detail Section</b>							
EVC NUM = 0001 NC = MP2MP NUT = 04 EVCID = EVCID							
<b>UNI Mapping Section – UNI #1</b>							
UREF = 1 UACT = C NCI = Port based/VLAN/PBIT L2CP = As Needed RUID = ECCKT of UNI #1 EVCSP = CLLI VACT = Optional CE-VLAN = Optional S-VACT = As needed S-VLAN = As needed SVP = As needed							
<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	C	SILVER	Priority Bit value 0 - 7	New Bandwidth			
2	D	BRONZE					

### **21.3.3 CHANGE REQUEST – MULTIPPOINT TO MULTIPPOINT (CONTINUED)**

<b>UNI Mapping Section – UNI #2</b>						
UREF	=	2				
UACT	=	C				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As Needed				
RUID	=	ECCKT of UNI #2				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
<b>UREF #2 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	C	SILVER		Priority Bit value 0 - 7	New Bandwidth	
2	D	BRONZE				
<b>UNI Mapping Section – UNI #3</b>						
UREF	=	3				
<b>UACT</b>	=	<b>C</b>				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As Needed				
<b>RUID</b>	=	<b>ECCKT of UNI #3</b>				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
<b>UREF #3 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	C	SILVER		Priority Bit value 0 - 7	New Bandwidth	
2	D	BRONZE				

### 21.3.3 CHANGE REQUEST - MULTIPPOINT TO MULTIPPOINT (CONTINUED)

UNI Mapping Section – UNI #4							
UREF	= 4						
UACT	= C						
NCI	= Port based/VLAN/PBIT						
L2CP	= As Needed						
RUID	= ECCKT of UNI #4						
EVCSP	= CLLI						
VACT	= Optional						
CE-VLAN	= Optional						
S-VACT	= As needed						
S-VLAN	= As needed						
SVP	= As needed						
UREF #4 LOS Mapping							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	D	BRONZE					

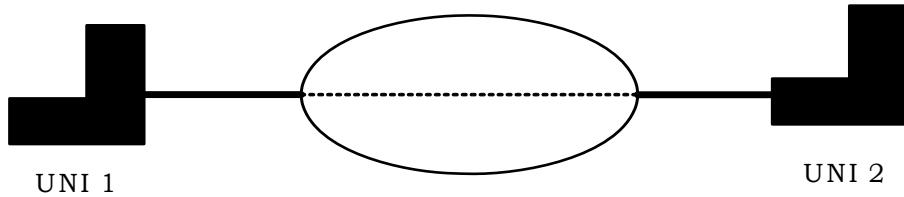


#### 21.3.4 CHANGE REQUEST – MULTIPOINT TO MULTIPOINT

Original -Multipoint to Multipoint EVC PORT BASED VLAN with PBIT and 3 LOS	
Remove UNI Termination Reference #4 and Adding New UNI Reference #5 with Gold and Bronze LOS	
<b>ASR Form</b>	
REQTYP = S ACT = C ACTL = Prohibited QTY = 1 EVCI = A	
<b>EVC Form</b>	
<b>EVC Detail Section</b>	
REF NUM = 0001 NC = MP2MP NUT = 02 EVCID = EVCID	

### **21.3.4 CHANGE REQUEST - MULTIPONT TO MULTIPONT (CONTINUED)**

<b>UNI Mapping Section – UNI #4</b>						
UREF	= 1					
UACT	= D					
NCI	=					
L2CP	=					
RUID	= ECCKT of UNI to be disconnected					
EVCSP	= CLLI					
VACT	= Optional					
CE-VLAN	= Optional					
S-VACT	= As needed					
S-VLAN	= As needed					
SVP	= As needed					
<b>UREF #1 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
<b>UNI Mapping Section – UNI #5</b>						
UREF	= 2					
UACT	= N					
NCI	= Port based/VLAN/PBIT					
L2CP	= As Needed					
RUID	= ECCKT of UNI to be installed					
EVCSP	= CLLI					
VACT	= Optional					
CE-VLAN	= Optional					
S-VACT	= As needed					
S-VLAN	= As needed					
SVP	= As needed					
<b>UREF #2 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	GOLD		Priority Bit value 0 - 7	New Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	New Bandwidth	



### 21.3.5 NEW INSTALL – POINT TO POINT

<b>Point to Point EVC PORT BASED with 1 LOS</b>							
<b>ASR Form</b>							
REQTYP = S ACT = N ACTL = Prohibited QTY = 1 EVCI = A							
<b>EVC Form</b>							
<b>EVC Detail Section</b>	<b>UNI Mapping Section – UNI #1</b>						
EVC NUM = 0001 NC = P2P NUT = 02 EVCID = N/A	UREF = 1 UACT = N NCI = Port based L2CP = As needed RUID = ECCKT of UNI#1 Or RPON = PON of UNI #1 ASR EVCSP = CLLI VACT = Optional CE-VLAN = Optional S-VACT = As needed S-VLAN = As needed SVP = As needed						
<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	EVCGLD		Bandwidth			

### 21.3.5 NEW INSTALL – POINT TO POINT (CONTINUED)

<b>UNI Mapping Section – UNI #2</b>							
UREF	= 2						
UACT	= N						
NCI	= Port based						
L2CP	= As needed						
RUID	= ECCKT of UNI#2						
or							
RPON	= PON of UNI#2 ASR						
EVCSP	= CLLI						
VACT	= Optional						
CE-VLAN	= Optional						
S-VACT	= As needed						
S-VLAN	= As needed						
SVP	= As needed						
<b>UREF #2 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	EVCGLD		Bandwidth			

### 21.3.6 NEW INSTALL – POINT TO POINT with VLAN Stacking

<b>Point to Point EVC with VLAN Stacking at UNI Termination 2 and 1 LOS</b>							
<b>ASR Form</b>							
REQTYP = S							
ACT = N							
ACTL = Prohibited							
QTY = 1							
EVCI = A							
<b>EVC Form</b>							
<b>EVC Detail Section</b>	<b>UNI Mapping Section – UNI #1</b>						
EVC NUM = 0001	UREF = 1						
NC = P2P	UACT = N						
NUT = 02	NCI = VLAN based						
EVCID = N/A	L2CP = As needed						
	RUID = ECCKT of UNI#1						
	Or						
	RPON = PON of UNI #1 ASR						
	EVCSP = CLLI						
	VACT = Optional						
	CE-VLAN = Optional						
	S-VACT = As needed						
	S-VLAN = As needed						
	SVP = As needed						
<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	EVCGLD		Bandwidth			

### 21.3.6 NEW INSTALL - POINT TO POINT VLAN with Stacking (CONTINUED)

<b>UNI Mapping Section – UNI #2</b>							
UREF	= 2						
UACT	= N						
NCI	= VLAN						
L2CP	= As needed						
RUID	= ECCKT of UNI#2						
or							
RPON	= PON of UNI#2 ASR						
EVCSP	= CLLI						
VACT	= Optional						
CE-VLAN	= Optional						
S-VLAN	= Provider assigned						
SVP	= As needed						
<b>UREF #2 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	EVCGLD		Bandwidth			

### 21.3.7 NEW INSTALL – POINT TO POINT WITH BGP

<b>Point to Point EVC with BGP at UNI Termination 2</b>							
<b>ASR Form</b>							
REQTYP = S							
ACT = N							
ACTL = Prohibited							
QTY = 1							
EVCI = A							
<b>EVC Form</b>							
<b>EVC Detail Section</b>	<b>UNI Mapping Section – UNI #1</b>						
EVC NUM = 0001	UREF = 1						
NC = P2P	UACT = N						
NUT = 02	NCI = VLAN based						
EVCID = N/A	L2CP = As needed						
	RUID = ECCKT of UNI#1 Or						
	RPON = PON of UNI #1 ASR						
	EVCSP = CLLI						
	VACT = Optional						
	CE-VLAN = Optional						
	S-VACT = As needed						
	S-VLAN = As needed						
	SVP = As needed						
	ASN = Prohibited						
	VPN-ID = Prohibited						
<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N		EVCGLD		Bandwidth		

**21.3.7 NEW INSTALL - POINT TO POINT WITH BGP  
(CONTINUED)**

<b>UNI Mapping Section – UNI #2</b>						
UREF	= 2					
UACT	= N					
NCI	= Required					
L2CP	= As needed					
RUID	= ECCKT of UNI#2					
or						
RPON	= PON of UNI#2 ASR					
EVCSP	= CLLI					
VACT	= Required					
CE-VLAN	= Optional					
S-VACT	= Prohibited					
S-VLAN	= Prohibited					
SVP	= Prohibited					
ASN	= Required					
VPN-ID	= Optional					
<b>UREF #2 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		

### 21.3.8 NEW INSTALL – EVC MEET POINT

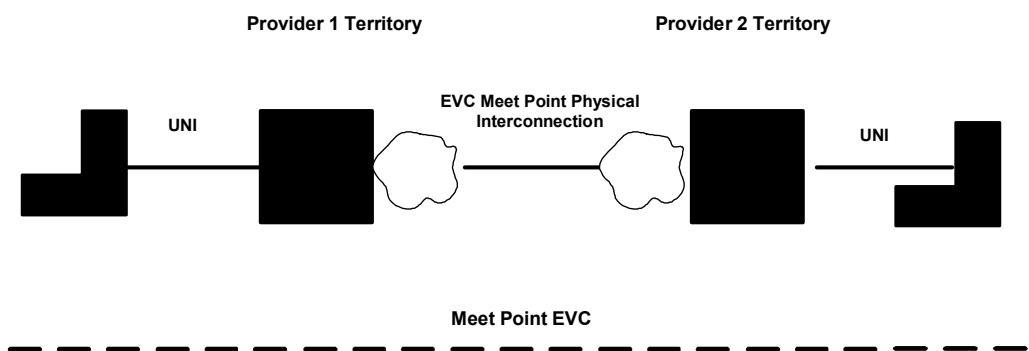
MEF 26 defines the basic architecture of Metro Ethernet Services that cross more than one service provider domain. However, it assumes that the EVC customer interacts with only one provider who in turn places “access” orders (ENNI for the physical interconnect and OVCs for the virtual service instance) to all other providers in the path. The EVC customer receives a single circuit ID. Also in the MEF 26 model, this “EVC Meet Point” would actually be an ENNI and the EVC customer would have no visibility to it. The EVC Meet Point ID field supports an alternative, pre-MEF 26 model whereby the EVC customer places the EVC order simultaneously to all service providers in the end to end path and refers to the physical interconnection point between the two providers. This is the alternative approach:

EVC with Meet Point ID	
ASR Form	
REQTYP = S	
ACT = N	
ACTL = Prohibited	
QTY = 1	
EVCI = A	
ASC-EC = Required	
EVC Form	
EVC Detail Section	UNI Mapping Section – UNI #1
EVC NUM = 0001	UREF = 1
NC = P2P	UACT = N
NUT = 02	NCI = Port based/VLAN/BIT
EVCID = N/A	L2CP = As needed
	RUID = ECCKT of UNI#1 Or
	RPON = PON of UNI #1 ASR
	EVCSP = CLLI
	VACT = Optional
	CE-VLAN = Optional
	S-VACT = As needed
	S-VLAN = As needed
	SVP = As needed
	EVCMPID = CLFI identified during pre-order negotiations. As Needed.
	OTC = EC/CC Code

### 21.3.8 NEW INSTALL – EVC MEET POINT (CONTINUED)

<b>UNI Mapping Section – UNI #2</b>	
UREF	= 2
UACT	= N
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= ECCKT of UNI#2
or	
RPON	= PON of UNI#2 ASR
EVCSP	= CLLI
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed
EVCMPID	= CLFI identified during pre-order negotiation. As Needed.
OTC	= EC/CC Code

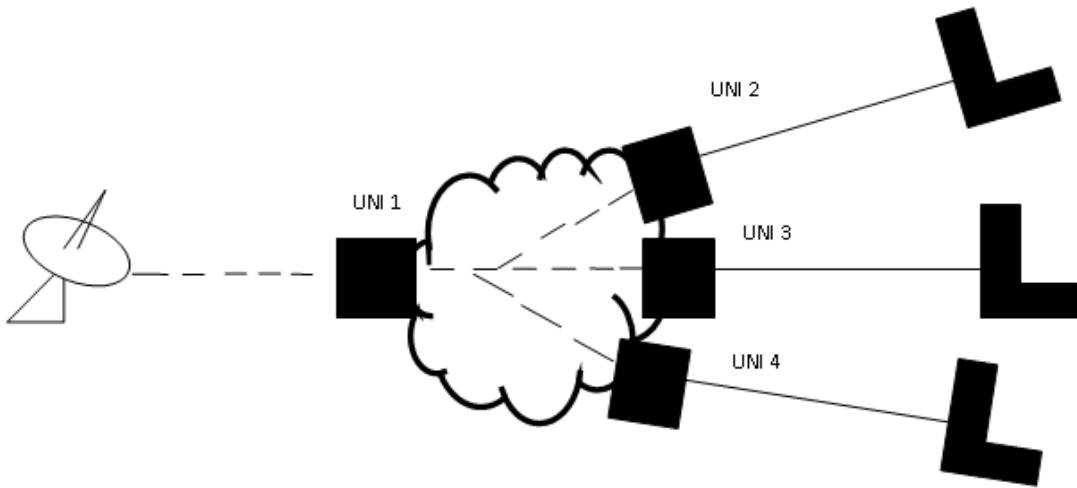
#### NEW INSTALL- EVC MEET POINT



#### **21.4 COMBINATION ETHERNET VIRTUAL CONNECTION CONFIGURATIONS**

The following configurations are examples only. The fields listed are common to the EVC service. For specific application, additional data elements may apply.

### 21.4.1 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI/ENNI) WITH MULTIPPOINT TO MULTIPPOINT EVC



**Physical Port (UNI) with Multipoint to Multipoint EVC PORT BASED VLAN with  
PBIT and 3 LOS**

<b>ASR Form</b>			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	SEI	= Y
ACTL	= Required		
QTY	= 1		
EVCI	= B		
<b>SES Form</b>			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	

**21.4.1 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI) WITH  
MULTIPOINT TO MULTIPOINT EVC (CONTINUED)**

<b>EVC Form</b>			
<b>EVC Detail Section</b>		<b>UNI Mapping Section – UNI #1</b>	
EVC NUM	= 0001	UREF	= 01
NC	= MP2MP	UACT	= N
NUT	= 04	AUNT	= A
EVCID	= N/A	NCI	= Port based/VLAN/PBIT
EVCCR	= Optional	L2CP	= As needed
		RUID	= Prohibited
		Or	
		RPON	= Prohibited
		EVCSP	= Optional
		VACT	= Optional
		CE-VLAN	= Optional
		S-VACT	= As needed
		S-VLAN	= As needed
		SVP	= As needed

**21.4.1 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI) WITH  
MULTIPOINT TO MULTIPOINT EVC (CONTINUED)**

<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth		
2	N	SILVER		Priority Bit value 0 - 7	Bandwidth		
3	N	BRONZE		Priority Bit value 0 - 7	Bandwidth		

<b>UNI Mapping Section – UNI #2</b>	
UREF	= 02
AUNT	= Prohibited
UACT	= N
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
	=
RUID	ECCKT of UNI#2
or	
RPON	= PON of UNI#2 ASR
EVCSP	= CLLI
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed

**21.4.1 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI) WITH  
MULTIPOINT TO MULTIPOINT EVC (CONTINUED)**

<b>UREF #2 LOS Mapping</b>					
LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1) N	GOLD	Priority Bit value 0 - 7	Bandwidth		
2) N	SILVER	Priority Bit value 0 - 7	Bandwidth		
3) N	BRONZE	Priority Bit value 0 - 7	Bandwidth		

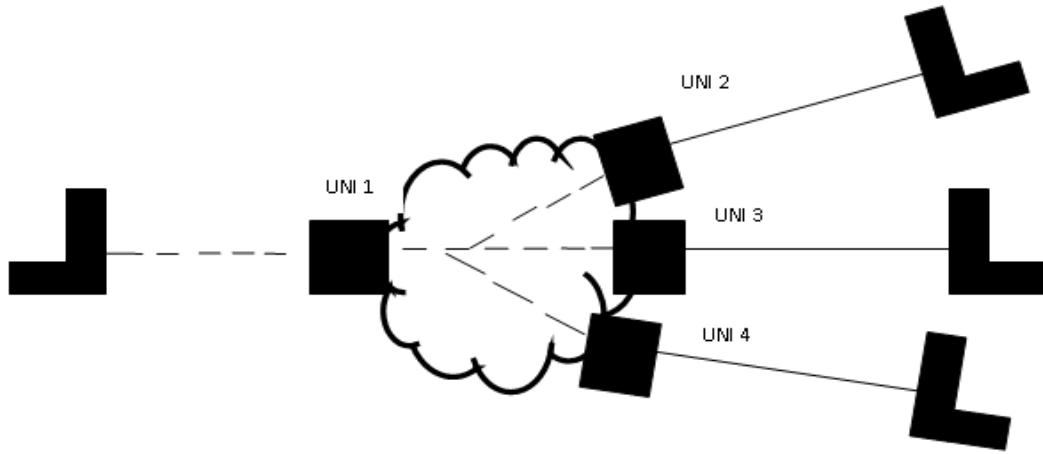
  

<b>UNI Mapping Section – UNI #3</b>	
UREF	= 03
AUNT	= Prohibited
UACT	= N
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= ECCKT of UNI #3 or
RPON	= PON of UNI #3 ASR
EVCSP	= CLLI
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVID	= As needed

**21.4.1 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI) WITH MULTIPPOINT TO MULTIPPOINT EVC (CONTINUED)**

<b>UREF #3 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	SILVER		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	
<b>UNI Mapping Section – UNI #4</b>						
UREF	= 04					
AUNT	= Prohibited					
UACT	= N					
NCI	= Port based/VLAN/PBIT					
L2CP	= As needed					
RUID	= ECCKT of UNI #4					
or						
RPON	= PON of UNI #4 ASR					
EVCSP	= CLLI					
VACT	= Optional					
CE-VLAN	= Optional					
S-VACT	= As needed					
S-VLAN	= As needed					
SVP	= As needed					
<b>UREF #4 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	

### 21.4.2 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI) WITH MULTIPONT TO MULTIPONT EVC



**Physical Port (UNI/ENNI) with Multipoint to Multipoint EVC PORT BASED VLAN  
with PBIT and 3 LOS**

<b>ASR Form</b>			
REQTYP	= E	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	QSA	= 01
ACTL	= Prohibited	SEI	= Y
QTY	= 1		
EVCI	= B		
<b>SESForm</b>			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	
<b>SALI Form</b>			
PI	= Y	End User Address Detail	= As Needed
REFNUM	= 0001		
EUNAME	= Required		

**21.4.2 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPONT TO MULTIPONT EVC (CONTINUED)**

EVC Form			
EVC Detail Section			UNI Mapping Section – UNI #1
EVC NUM	=	0001	UREF = 01
NC	=	MP2MP	UACT = N
NUT	=	04	AUNT = A
EVCID	=	N/A	NCI = Port based/VLAN/PBIT
EVCCR	=	Optional	L2CP = As needed
			RUID = Prohibited
			Or
			RPON = Prohibited
			EVCSP = Optional
			VACT = Optional
			CE-VLAN = Optional
			S-VACT = As needed
			S-VLAN = As needed
			SVP = As needed

**21.4.2 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPONT TO MULTIPONT EVC (CONTINUED)**

<b>UREF #1 LOS Mapping</b>							
LREF	LOS ACT	LOS	or SPEC	PBIT	BDW	DSCP	or TOS
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth		
2	N	SILVER		Priority Bit value 0 - 7	Bandwidth		
3	N	BRONZE		Priority Bit value 0 - 7	Bandwidth		

<b>UNI Mapping Section – UNI #2</b>	
UREF	= 02
AUNT	= Prohibited
UACT	= N
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
	=
RUID	ECCKT of UNI#2
or	
RPON	= PON of UNI#2 ASR
EVCSP	= CLLI
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed

**21.4.2 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPONT TO MULTIPONT EVC (CONTINUED)**

<b>UREF #2 LOS Mapping</b>					
LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1) N	GOLD	Priority Bit value 0 - 7	Bandwidth		
2) N	SILVER	Priority Bit value 0 - 7	Bandwidth		
3) N	BRONZE	Priority Bit value 0 - 7	Bandwidth		

<b>UNI Mapping Section – UNI #3</b>	
UREF	= 03
AUNT	= Prohibited
UACT	= N
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= ECCKT of UNI #3
or	
RPON	= PON of UNI #3 ASR
EVCSP	= CLLI
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed

**21.4.2 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPONT TO MULTIPONT EVC (CONTINUED)**

<b>UREF #3 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	SILVER		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	
<b>UNI Mapping Section – UNI #4</b>						
UREF	=	04				
AUNT	=	Prohibited				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID	=	ECCKT of UNI #4				
or						
RPON	=	PON of UNI #4 ASR				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
<b>UREF #4 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	GOLD		Priority Bit value 0 - 7	Bandwidth	
2	N	BRONZE		Priority Bit value 0 - 7	Bandwidth	

### **21.4.3 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI/ENNI) WITH POINT TO POINT EVC**



<b>Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS</b>			
<b>ASR Form</b>			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	SEI	= Y
ACTL	= Required		
QTY	= 1		
EVCI	= B		
<b>SES Form</b>			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	
<b>EVC Form</b>			
<b>EVC Detail Section</b>		<b>UNI Mapping Section – UNI #1</b>	
EVC NUM	= 0001	UREF	= 01
NC	= P2P	AUNT	= A
NUT	= 02	UACT	= N
EVCID	= N/A	NCI	= Port based
EVCCR	= Optional	L2CP	= As needed
		RUID or RPON	= Prohibited
		EVCSP	= Optional
		VACT	= Optional
		CE-VLAN	= Optional
		S-VACT	= As needed
		S-VLAN	= As needed
		SVP	= As needed

**21.4.3 NEW INSTALL (REQTYP S) – PHYSICAL PORT (UNI/ENNI)  
WITH POINT TO POINT EVC (CONTINUED)**

<b>UREF #1 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or	TOS
1	N		EVCGLD		Bandwidth	
<b>UNI Mapping Section – UNI #2</b>						
UREF	=	02				
AUNT	=	Prohibited				
UACT	=	N				
NCI	=	Port based				
L2CP	=	As needed				
RUID	=	ECCKT of UNI#2				
Or						
RPON	=	PON of UNI#2 ASR				
EVCSP	=	CLLI				
VACT	=	Optional				
CE-VLAN	=	Optional				
S-VACT	=	As needed				
S-VLAN	=	As needed				
SVP	=	As needed				
<b>UREF #2 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or	TOS
1	N		EVCGLD		Bandwidth	

#### 21.4.4 NEW INSTALL (REQTYP E) - PHYSICAL PORT (UNI/ENNI) WITH POINT TO POINT EVC



<b>Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS</b>					
<b>ASR Form</b>					
REQTYP = E			SPEC = Provider Based and specific to the Physical Port		
ACT = N			QSA = 01		
ACTL = Prohibited			SEI = Y		
QTY = 1					
EVCI = B					
<b>SES Form</b>					
NC = (UNI/ENNI) Ethernet Based Service			ESP = Optional		
NCI = (UNI/ENNI) Ethernet Interface					
SECNCI = (UNI/ENNI) Switched Ethernet Port					
<b>SALI Form</b>					
PI = Y			End User Address Detail = As Needed		
REFNUM = 0001					
EUNAME = Required					

**21.4.4 NEW INSTALL (REQTYP E) – PHYSICAL PORT (UNI/ENNI)  
WITH POINT TO POINT EVC (CONTINUED)**

<b>EVC Form</b>						
<b>EVC Detail Section</b>			<b>UNI Mapping Section – UNI #1</b>			
EVC NUM = 0001				UREF = 01		
NC = P2P				AUNT = A		
NUT = 02				UACT = N		
EVCID = N/A				NCI = Port based		
EVCCKR = Optional				L2CP = As needed		
				RUID or = Prohibited		
				RPON = Prohibited		
				EVCSP = Optional		
				VACT = Optional		
				CE-VLAN = Optional		
				S-VACT = As needed		
				S-VLAN = As needed		
				SVP = As needed		
<b>UREF #1 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		
<b>UNI Mapping Section – UNI #2</b>						
UREF = 02						
AUNT = Prohibited						
UACT = N						
NCI = Port based						
L2CP = As needed						
RUID = ECCKT of UNI#2						
Or						
RPON = PON of UNI#2 ASR						
EVCSP = CLLI						
VACT = Optional						
CE-VLAN = Optional						
S-VACT = As needed						
S-VLAN = As needed						
SVP = As needed						
<b>UREF #2 LOS Mapping</b>						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		

## **21.4.5 DISCONNECT (REQTYP S) – PHYSICAL PORT (UNI/ENNI) WITH MULTIPONT TO MULTIPONT EVC**

### **Physical Port (UNI/ENNI) with Multipoint to Multipoint EVC PORT BASED VLAN with PBIT and 3 LOS**

<b>ASR Form</b>			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
<b>SES Form</b>		ECCKT	= Required
ACT	= D	SEI	= Y
ACTL	= Required		
QTY	= 1		
EVCI	= B		
<b>EVC Form</b>			
<b>EVC Detail Section</b>		<b>UNI Mapping Section – UNI #1</b>	
EVC NUM	= 0001	UREF	= 01
NC	= MP2MP	AUNT	= A
NUT	= 04	UACT	= D
EVCID	= Required	NCI	= Port based/VLAN/PBIT
EVCCR	= Optional	L2CP	= As needed
		RUID	= ECCKT of UNI#1
		Or	
		RPON	= Optional
		EVCSPP	= Optional
		VACT	= Optional
		CE-VLAN	= Optional
		S-VACT	= As needed
		S-VLAN	= As needed
		SVP	= As needed

**21.4.5 DISCONNECT (REQTYP S) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPPOINT TO MULTIPPOINT EVC (CONTINUED)**

<b>UNI Mapping Section – UNI #2</b>	
UREF	= 02
AUNT	= Prohibited
UACT	= D
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= ECCKT of UNI#2 or
RPON	= Optional
EVCSP	= Optional
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed
<b>UNI Mapping Section – UNI #3</b>	
UREF	= 03
AUNT	= Prohibited
UACT	= D
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= ECCKT of UNI#3 or
RPON	= Optional
EVCSP	= Optional
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed

**21.4.5 DISCONNECT (REQTYP S) – PHYSICAL PORT (UNI/ENNI)  
WITH MULTIPPOINT TO MULTIPPOINT EVC (CONTINUED)**

<b>UNI Mapping Section – UNI #4</b>	
UREF	= 04
AUNT	= Prohibited
UACT	= D
NCI	= Port based/VLAN/PBIT
L2CP	= As needed
RUID	= UNI ECCKT
or	
RPON	= Optional
EVCSP	= Optional
VACT	= Optional
CE-VLAN	= Optional
S-VACT	= As needed
S-VLAN	= As needed
SVP	= As needed

## 21.4.6 DISCONNECT (REQTYP E) – PHYSICAL PORT (UNI/ENNI) WITH POINT TO POINT EVC

<b>Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS</b>			
<b>ASR Form</b>			
REQTYP	=	E	SPEC = Provider Based and specific to the Physical Port
ACT	=	D	ECCKT = Required
ACTL	=	Prohibited	SEI = Y
QTY	=	1	
EVCI	=	B	
<b>SES Form</b>			
NC	=	(UNI/ENNI) Ethernet Based Service (Optional)	ESP = Optional
NCI	=	(UNI/ENNI) Ethernet Interface (Optional)	
SECNCI	=	(UNI/ENNI) Switched Ethernet Port (Optional)	
<b>EVC Form</b>			
<b>EVC Detail Section</b>		<b>UNI Mapping Section</b>	
EVC NUM	=	0001	
NC	=	P2P	
EVCID	=	Required	
EVCCKR	=	Optional	

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **SWITCHED ETHERNET SERVICES (SES)**

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	22.1
SES ORDERING GUIDELINES	22.2
SWITCHED ETHERNET SERVICES CONFIGURATIONS	22.3
NEW INSTALL (REQTYP S) SWITCHED ETHERNET PORT	22.3.1
NEW INSTALL (REQTYP E) SWITCHED ETHERNET PORT	22.3.2
NEW INSTALL WITH LINK AGGREGATION	22.3.3

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **22. SWITCHED ETHERNET SERVICES (SES)**

**22.1 GENERAL** Switched Ethernet Services involves the ordering of the UNI or ENNI to which an Ethernet/Operator Virtual Connection (EVC/OVC) service may be connected.

The UNI or ENNI can be ordered by itself by populating the Switched Ethernet Indicator (SEI) field on the ASR Form, and the SES Form will contain the UNI/ENNI attributes. Combination ordering of the UNI/ENNI and the EVC/OVC follows the standard ordering process in that the SES Form will accompany the request. The ASR will identify that a combination is being ordered by the population of the Ethernet Virtual Connection Indicator (EVCI=B) and the SEI field = Y. The EVC Form will contain the EVC/OVC attributes and the SES Form will contain the UNI/ENNI attributes. The REQTYP associated with ordering of a UNI/ENNI and an EVC is “S” or “E”.

### **22.2 SWITCHED ETHERNET SERVICES ORDERING GUIDELINES**

The following items pertain to the ordering of a Switched Ethernet Service where no Ethernet Virtual Connection is included on the same request. Combination ordering is documented in the Ethernet Virtual Connection Service (EVC) section of this document.

- Multiple UNIs/ENNIs can be ordered on a single ASR
- A single UNI/ENNI can be ordered with rate limiting or a shared level of service across the ensuing EVCs
- Ordering the physical and virtual connection on a single ASR is not permitted

## 22.3 SWITCHED ETHERNET SERVICES CONFIGURATIONS

The following configurations are examples only. The UNI/ENNI is the port for the switched Ethernet service. The service may not be a complete service until the connections are made to the EVCs/OVCs. The fields listed are common to the UNI/ENNI service. For specific application, additional data elements may apply.

### 22.3.1 NEW INSTALL (REQTYP S) - SWITCHED ETHERNET PORT

ASR Form			
REQTYP	=	S	SPEC = Provider Based and specific to the Physical Port
ACT	=	N	SEI = Y
ACTL	=	Required	
QTY	=	1	
EVCI	=	Blank	
SES Form			
NC	=	(UNI/ENNI) Based Service	Ethernet CCEA = Optional
NCI	=	(UNI/ENNI) Interface	Ethernet ESP = Optional
SECNCI	=	(UNI/ENNI) Ethernet Port	Switched

**22.3.2 NEW INSTALL (REQTYP E) - SWITCHED ETHERNET PORT**

<b>ASR Form</b>			
REQTYP	=	E	SPEC = Provider Based and specific to the Physical Port
ACT	=	N	SEI = Y
QSA	=	01	
ACTL	=	Prohibited	
QTY	=	1	
EVCI	=	Blank	

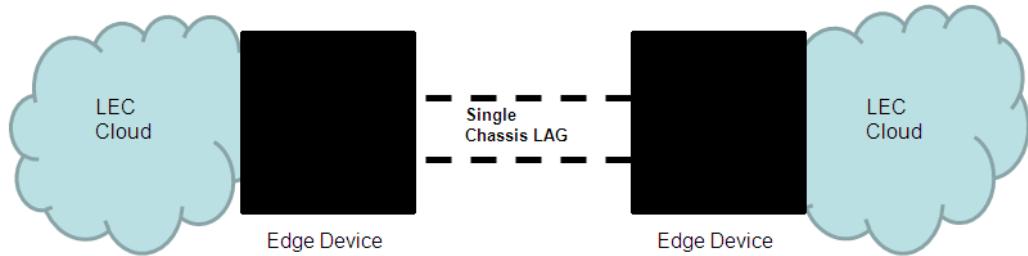
<b>SES Form</b>			
NC	=	(UNI/ENNI) Based Service	Ethernet
NCI	=	(UNI/ENNI) Interface	Ethernet
SECNCI	=	(UNI/ENNI) Ethernet Port	Switched

<b>SALI Form</b>			
PI	=	Y	End = As Needed
REFNUM	=	0001	User
EUNAME	=	Required	Address Detail

### 22.3.3 NEW INSTALL WITH LINK AGGREGATION

Link aggregation allows two or more ENNIs to function as one protected alternate route.



<b>ASR Form</b>			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	SEI	= Y
LAG	= N		
ACTL	= Required		
QTY	= 2		
EVCI	= Blank		
<b>SES Form</b>			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	LAG-P = Optional
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	
<b>ACI Form</b>			

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## VIRTUAL CONCATENATION (VCAT)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	23.1
VCAT ORDERING GUIDELINES	23.2
VCAT CONFIGURATIONS	23.3
NEW INSTALLS	
POINT TO POINT	23.3.1
RING	23.3.2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **23. VIRTUAL CONCATENATION (VCAT)**

**23.1 GENERAL** Virtual Concatenated Services involves the ordering of the SONET-based services over two or more hi-capacity channels/timeslots and concatenating the broadband payload at the switch port. An example where virtual concatenation provides a benefit to the customer would be that the requested service is 100 Megabit Ethernet. The customer could not use an STS-1 channel as the throughput would only accommodate approximately 50 Megabits. The next higher level service, STS-3, can handle the requested 100 Megabit service but with a one third waste of the STS-3's capability of 150 Megabits. Using virtual concatenation of two STS-1s, the 100 Megabit service is handled with no loss of bandwidth and no waste.

The VCAT Form may be used in conjunction with the following types of service:

- Transport (REQTYP "S" and "V")
- End User Special Access (REQTYP "E" and "X")
- Ring Services (REQTYP "R")

## **23.2 VIRTUAL CONCATENATION ORDERING GUIDELINES**

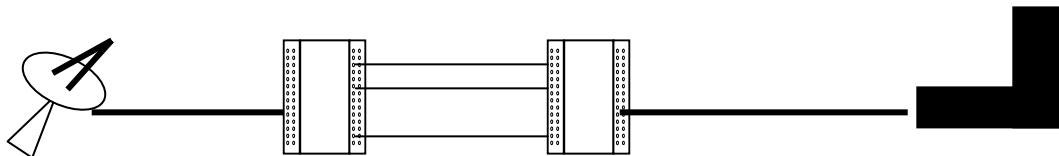
1. The VCAT Form will apply when defining the channels/timeslots to be assigned on the special access facility when the Network Channel (NC) code specifies a virtually concatenated requested service.
2. The VCAT Form can be used to specify the concatenated channels/timeslots associated with the CFA, ICFA1, ICFA2, ICFA3, ICFA4 and SCFA fields for each circuit (REFNUM) on the request.
3. The VCAT Form and the Network Assignment Information (NAI) Form must be used together if concatenation of the channels/timeslots associated with any of the ICFAn fields is required.
4. The VCAT and Additional Circuit Information (ACI) Forms must be used together when the quantity of circuits being ordered is greater than one (1) and the NC code specifies a virtually concatenated request.

### 23.3 VIRTUAL CONCATENATION CONFIGURATIONS

The following configurations are examples only. The fields listed are common to the VCAT service. For specific applications, additional data elements may apply.

#### 23.3.1 VIRTUAL CONCATENATION TWO POINT SPECIAL ACCESS

This configuration depicts the establishment of a virtual concatenated point to point special access service.



#### ORDERING REQUIREMENTS

##### ASR FORM

REQTYP = S  
AFO pos 5 = 'Y'

##### TRANSPORT FORM

CFA = populated  
CFAU = blank  
NC = (specifies VCAT)

##### VCAT FORM

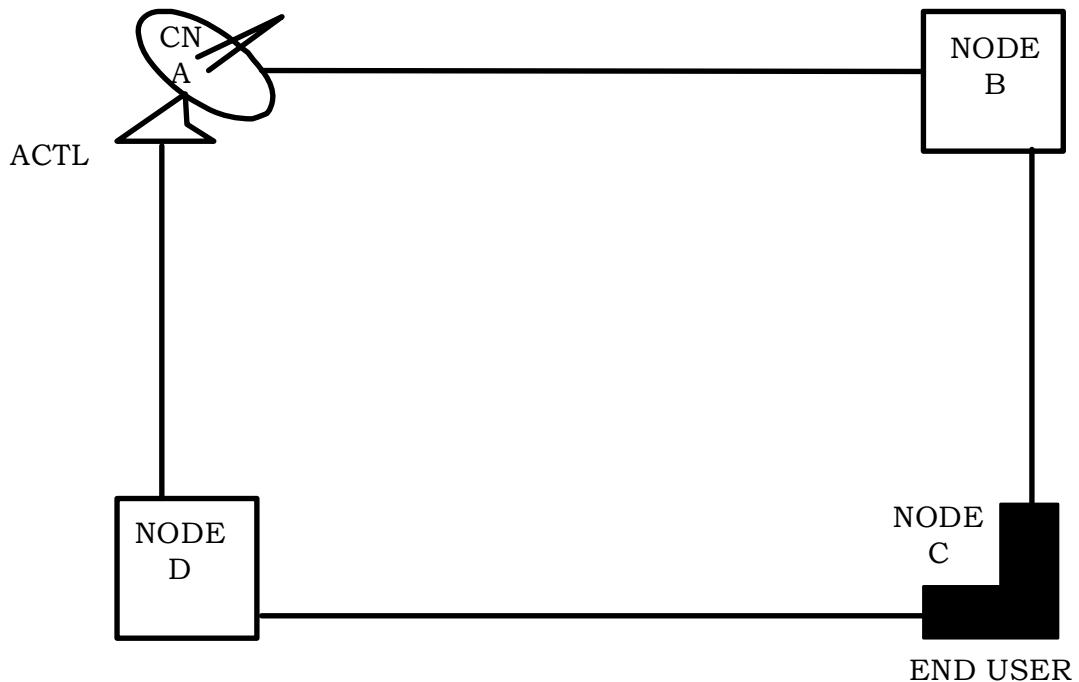
CFA-CTS = populated

### 23.3.2 VIRTUAL CONCATENATION FOUR NODE RING

This configuration depicts the establishment of a 4 node ring with 2 central office nodes and 2 customer nodes and virtual concatenation is requested.

#### ORDERING REQUIREMENTS:

- ASR FORM
- RING FORM
- (3) ARI FORMs
- SALI FORM
- (3) VCAT FORMs



### 22.3.2 VIRTUAL CONCATENATION FOUR NODE RING (CONT'D)

<b>ASR FORM</b>	<b>RING FORM</b>
<b>REQTYP</b> = R <b>ACT</b> = N <b>FNI</b> = N or preassigned FNI <b>QTY</b> = 4 (number of segments) <b>ACTL</b> = CLLI Code of POP ("A" location) <b>QSA</b> = 1 <b>AFQ</b> (pos 5) = Y	<b>Segment A to B</b>  NC specifies virtual concatenation <b>NCI</b> <b>SECNCI</b> <b>NID</b> <b>SECLOC</b> ("B" location) <b>CFA</b> = Populated  <b>Assumed REF NUM 0001</b>
<b>ARI FORM #1</b>  Segment B to C  NC specifies virtual concatenation <b>NCI</b> <b>SECNCI</b> <b>REF NUM</b> = 0002 <b>PRILOC</b> = ("B" location) <b>SPOT (PRI)</b> <b>NID</b> <b>SECLOC</b> = ("C" location) <b>CFA</b> = Populated	<b>ARI FORM #2</b>  Segment C to D  NC specifies virtual concatenation <b>NCI</b> <b>SECNCI</b> <b>REF NUM</b> = 0003 <b>PRILOC</b> = "E" ("C" location) <b>SPOT (PRI)</b> <b>NID</b> <b>SECLOC</b> = ("D" location) <b>CFA</b> = Populated
<b>ARI FORM #3</b>  Segment D to A:  NC specifies virtual concatenation <b>NCI</b> <b>SECNCI</b> <b>REF NUM</b> = 0004 <b>PRILOC</b> = ("D" location) <b>SPOT (PRI)</b> <b>NID</b> <b>SECLOC</b> = ("A" location)	<b>SALI FORM</b>  <b>REF NUM</b> = 0003 <b>PI</b> = "Y" <b>AFT</b> <b>EUNAME</b> = End User Name <b>PRILOC</b> = ("C" location)
<b>VCAT FORM #1</b>  <b>REF NUM</b> = 0001 <b>CFA-CTS</b> = Populated	<b>VCAT FORM #2</b>  <b>REF NUM</b> = 0002 <b>CFA-CTS</b> = Populated
<b>VCAT FORM #3</b>  <b>REF NUM</b> = 0003 <b>CFA-CTS</b> = Populated	

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404001-0050**

**Access Service Request (ASR)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404001-0050

Access Service Request (ASR) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

ACCESS SERVICE REQUEST FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. ASR FORM DESCRIPTION	2-1
3. ACCESS SERVICE REQUEST (ASR) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 BILL SECTION	3-119
3.3 CONTACT SECTION	3-140
3.4 MINIMAL INFORMATION	3-164
3.5 ALPHA/NUMERIC GLOSSARY	3-165
4. ACCESS SERVICE REQUEST FORM NUMBERED	4-1
5. ACCESS SERVICE REQUEST FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Access Service Request (ASR) Form entries. The ASR Form must always be associated with a service specific form containing circuit and location detail necessary for the provisioning of this request.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. ASR FORM DESCRIPTION**

2.1 All information required for administrative, billing and contact details is provided for in the various fields contained within the ASR Form. The Administrative Section contains information pertaining to the service being ordered such as: quantity, requisition type, desired due date, etc. The Bill Section provides billing name and address information and the Contact Section contains the initiator's information, design contact name, address and telephone number as well as implementation contact name and telephone number.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. ACCESS SERVICE REQUEST (ASR) FORM ENTRIES**

The ASR Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 – 3.3. Section 3.4 addresses the minimal input requirements for disconnect and record order activity. Section 3.5 contains an alphabetic listing of the ASR Form fields cross referenced to the field numbers depicted in the numbered form.

This form is prepared by the customer and is submitted to the ICSC for the ordering of service. The term “ICSC”, (Interexchange Customer Service Center) referenced throughout the ASR practices is used to represent the organization which processes a customer's request for service in an access or local provider offering such access services.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This code is established prior to the submission of the ASR.

**NOTE 3:** For the casual customer who does not have an IAC code, this field should reflect an entry of “CUS”. The customer name should be entered in the CUST field on the ASR.

**NOTE 4:** The IAC designated in the CCNA field is the provider’s contact for management of the access ordering/negotiation process for the life of the order. When using “CUS”, management of this process may be determined on an individual provider basis.

**NOTE 5:** The CCNA is not intended to indicate the customer being billed for the access service. This is reflected in the ACNA field on the ASR.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

1. **CCNA** - Customer Carrier Name Abbreviation (continued)

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** [U|T|C]

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** The Purchase Order Number may be reused after two years from the due date of the original request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

### 3. **VER** - Version Identification

Identifies the customer's version number.

**NOTE 1:** Any reissuance can use this entry to uniquely identify the form from any other version.

**NOTE 2:** The version identification does not have to agree with the provider order supplement identification. The customer's order may have been supplemented internally many times after the ASR has been issued.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider's mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | | | |

**5. SPA - Special Action Indicator**

An indicator used by the customer to identify an order being sampled for quality control purposes.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha/numeric characters

**EXAMPLE:**

## 6. ICSC - Interexchange Customer Service Center

Identifies the provider service center.

**NOTE 1:** The ICSC code appearing in this field will represent the Access Service Coordination - Exchange Company (ASC-EC) when the ASC-EC field is populated.

**NOTE 2:** The first two characters identify the provider. The third and fourth characters are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The provider will supply and periodically update the ICSC codes listing to the customer. The provider will also supply guidelines for choosing the appropriate ICSC.

**NOTE 3:** The format and structure of this field is defined by Telcordia in BR-751-100-801 Interexchange Customer Service Center/Service Center (ICSC/SC).

### **VALID ENTRIES:**

Valid ICSC Code

**NOTE 1:** When the ASC-EC field is populated, this field must be identical to the ASC-EC entry.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:**

P	T	0	2
---	---	---	---

## 7. CC - Company Code

Identifies the Exchange Carrier requesting local services.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

### **VALID ENTRIES:**

A four alpha/numeric character code structure for all Exchange Carriers in North America and certain U.S. territories maintained by NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering local interconnection services or unbundled network elements, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

8	7	1	2
---	---	---	---

1	2	A	3
---	---	---	---

**8.       UNE - Unbundled Network Elements**

Identifies this request is ordering unbundled network elements for local service.

**VALID ENTRIES:**

Y = Ordering unbundled elements.

**USAGE:**     This field is conditional.

**NOTE 1:** Optional when the CC field is populated and the first position of the REQTYP field is "M", "S" or "L", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 9. **D/TSENT** - Date and Time Sent

Identifies the date and time that the Access Service Request is sent by the customer.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)
Two Digit Hour (01-12)	Two Digit Hour (01-12)
Two Digit Minute (00-59)	Two Digit Minute (00-59)
AM or PM	AM or PM

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters  
(including 3 hyphens)

**EXAMPLES:** |0|5|-|2|2|-|1|9|8|5|-|1|1|1|5|A|M

|1|9|8|5|-|0|5|-|2|2|-|1|1|1|5|A|M

**10. QA - Quote Authorized**

Indicates that a quotation charge for special construction is authorized.

**VALID ENTRIES:**

Y = Quotation Authorized

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ACT field is "N", "C" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 11. **CBD** - Call Before Dispatch

May identify a customer location as “Unstaffed” and request the provider call the LCON at a desired time prior to ‘dispatch out’ of a service technician, or a coordination call based on a provider’s existing process for service installation or disconnect.

### **VALID ENTRIES:**

#### **1<sup>st</sup> Character**

A = Unstaffed Service Delivery Location

**NOTE 1:** Defines the service delivery location as “Unstaffed” requiring coordination with LCON prior to technician dispatch.

#### **2<sup>nd</sup> and 3<sup>rd</sup> Character**

01- = Hours

99

**NOTE 1:** The desired number of hours prior to dispatch to facilitate access for the service technician.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLES:**  | 0 | 4

| A | 1 | 2 |

| A | | |

**NOTE 1:** This example represents an “Unstaffed” Site requiring LCON coordination based on a provider’s existing process.

## 12. DDD - Desired Due Date

Identifies the customer's desired due date.

**NOTE 1:** The actual due date may be different from that desired because of factors such as the availability of facilities and the quantity, complexity, and impact on local service of the circuit(s) involved.

**NOTE 2:** On disconnect requests, this date represents the date billing is to stop on the involved circuit(s) and can be no earlier than the date the request is received by the provider.

**NOTE 3:** When different due dates are required, these dates are stipulated using a separate request for each desired due date. For example, a total of 50 circuits are desired and the customer wants them at a rate of 10 per day. Therefore, five ASR forms may be submitted stipulating this requirement.

**NOTE 4:** When multiple ASRs are associated with one Translation Questionnaire, all DDDs must be identical.

### VALID ENTRIES:

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**12. DDD - Desired Due Date (continued)**

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|3|-|0|2|-|1|9|9|9|

|1|9|9|9|-|0|3|-|0|2|

### **13. FDT - Frame Due Time**

Provides special handling instructions for the connection, disconnection or coordination of changes for this request.

**NOTE 1:** Types of changes that require coordination are CIC redirects, switch conversions, mutual trunking arrangement, point code changes, traffic rehome/reroutes, call through testing requests, cut over, etc.

#### **VALID ENTRIES:**

##### **Time Zone (Position 1)**

Central	= C
Eastern	= E
Mountain	= M
Pacific	= P

##### **Time of Day (Positions 2-7)**

Two Digit Hour (01-12)/Two Digit Minute (00-59)/AM or PM

Two Digit Hour (01-12)/A or P/Two Digit Hour (01-12)/A or P  
AM or PM

Two Digit Hour (01-12)/A or P

**NOTE 1:** Indicates the time zone and time or time zone and window of time when the service should be connected, disconnected or coordinated.

**NOTE 2:** When this field is populated in conjunction with the CB TEL NO field, a specific time of day including the hour or hour and minute is required.

**USAGE:** This field is conditional.

**13. FDT - Frame Due Time (continued)**

**NOTE 1:** Required when the first position of the REQTYP type is “M” or “L”, the ACT field is “N”, “C”, or “D”, and routing and/or translation change requires coordination.

**NOTE 2:** Prohibited when ACT field is “R”.

**NOTE 3:** Required when the CB TEL NO is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**EXAMPLES:** |C|1|0|1|5|P|M|

|E|1|2|P|0|2|P|

|P|0|8|A|1|0|A|

|M|A|M| | | | |

|C|1|0|P| | | |

#### **14. PROJECT** - Project Identification

Identifies the project with which the request is to be associated.

**NOTE 1:** Examples of the use of this field would be relating multiple Access Service Requests, previously negotiated orders, etc.

**NOTE 2:** The provider may initiate the project identification and provide this to the customer who will populate the field when submitting an ASR.

**NOTE 3:** The Project Number must be entered by the new and the former customers on “N” and “D” coordinated conversion orders.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N” or “D”, and the CCVN field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** M|S|7|3|6|1|1|9| | | | | | | | |

**15. CCI - Coordinated Change Indicator**

Identifies this request is a Coordinated Change Activity to an existing access service.

**VALID ENTRIES:**

Y = Coordinated Change Activity

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is "E", "L", "M", "S", "V" or "X", and the ACT field is "N", "C", "D", "T" or "M", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**16. CNO - Case Number**

Identifies the quotation tracking number assigned by the provider in response to a provisioning arrangement inquiry, e.g., diversity.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |B|S|0|6|1|1|9|6|-|0|0|2|

**17. PPTD - Project Plant Test Date**

Identifies the pre negotiated plant test date for the start of overall testing of the service requested on this ASR.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PROJECT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|3|-|0|2|-|1|9|9|9|

|1|9|9|9|-|0|3|-|0|2|

**18. NOR - Number of Requests**

Identifies both specific ASR and total quantity of Access Service Requests within a group of ASRs being ordered.

**NOTE 1:** In order to facilitate the process, at least the first related ASR should describe or list the total RPONs used when RPON is not the same for all such requests. For example, six ASRs are to be associated and individual PONs and RPONs are being used.

**NOTE 2:** All service types must be identical for such grouping of like orders.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TQ field is populated and a total of two or more ASRs are associated with the translation questionnaire, otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**   |1|of|  |6|

**19. LUP - Intrastate IntraLATA Usage Percentage**

Identifies the percent Intrastate IntraLATA usage for use with IntraLATA competition.

**NOTE 1:** This field may apply whenever PIU is less than 100.

**VALID ENTRIES:**

1 to 100

LOF = Letter on File

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the PIU field is not populated or is “100”.

**NOTE 2:** Prohibited when the first position of the REQTYP field is “R”.

**NOTE 3:** Prohibited when the ACT field is “D”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** 30

## **20. BSA - Basic Serving Arrangement**

Identifies the requirement for a Basic Serving Arrangement (BSA), which is the minimum necessary transport arrangement for the delivery of the unbundled network features and functions, or for a Basic Service Element (BSE) associated with a Basic Serving Arrangement.

**NOTE 1:** In a Multi-EC situation, this field should be populated when at least one provider is being requested to provide a BSA or BSE.

### **VALID ENTRIES:**

Y = Unbundled Ordering

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CC or WST field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 21. **REQTYP** - Requisition Type and Status

Identifies the type of service being requested and the status of the request.

**NOTE 1:** A request may be issued as a Service Request (Inquiry) or Firm Order.

The Service Request and Firm Order process description can be found in the Access Service Ordering Overview (ATIS-0404000, Section 5, Four Step Ordering Process).

**NOTE 2:** The first character of REQTYP specifies the type of service/element.

**NOTE 3:** The second character of REQTYP specifies the status of the request in the four step order process.

### **VALID ENTRIES:**

#### **1<sup>st</sup> Character**

- A = Switched Access - Feature Group A
- E = End User Special Access, DNAL, Part Time/Full Time Television or Program Audio, Specialized Ethernet Aggregation, Switched Ethernet Services
- L = CCS Link or Unbundled STP Port
- M = Trunking (FG B, C, D, SAC NXX, Wireless and Local)
- R = Ring
- S = Special Access, Full Time/Part Time Television or Program Audio, DNAL Switched Access Facility, Unbundled Dedicated Transport, Unbundled Multiplexer, Specialized Ethernet Aggregation, Switched Ethernet Services, Stand Alone EVC
- V = Broadband Services, ATM, Frame Relay Service
- W = WATS Access Line
- X = Broadband End User Services, ATM, Frame Relay Service

**21. REQTYP - Requisition Type and Status (continued)**

**NOTE 1:** "E" is prohibited for Stand Alone Ethernet Virtual Connection (EVCI = "A") services.

**VALID ENTRIES:**

**2<sup>nd</sup> Character (4-Step Process)**

<b><u>Service Request:</u></b>	<b><u>Entered by:</u></b>
--------------------------------	---------------------------

**Step 1 – Service Request**

A = Manual/mechanized	Customer
F = Verbal	Provider
G = Access Service Request follow up to verbal	Customer

**Step 2 – Service Request Confirmation**

B = Manual/mechanized	Provider
-----------------------	----------

**Step 3A – Firm Order – Service Request Sent (Same PON)**

C = Manual/mechanized	Customer
H = Verbal	Provider
J = Access Service Request follow up to verbal	Customer

**Step 3B – Firm Order – Service Request Not Sent**

D = Manual/mechanized	Customer
J = Access Service Request follow up to verbal	Provider
K = Verbal	Provider

**Step 4 – Firm Order Confirmation (FOC)**

E = Manual/mechanized	Provider
-----------------------	----------

**USAGE:** This field is required.

**21. REQTYP** - Requisition Type and Status (continued)

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:**

## 22. ACT - Activity

Identifies the activity involved in this service request.

**NOTE 1:** The activity defined in this field is circuit activity from the customer perspective and does not necessarily reflect the type of provider order activity that would result.

**NOTE 2:** On a supplement to a request this field carries the original activity type.

### **VALID ENTRIES:**

C = Change or modification to an existing service

**NOTE 1:** If the modification is exclusively an inside or outside move, an ACT of "M" or "T" respectively must be used, with the exception of multipoint services.

**NOTE 2:** When the second position of the TQ field is "N" or "X", the ACT field entry must be "C" or "R".

**NOTE 3:** Use of "C" is based on provider tariffs/contracts/negotiations.

**NOTE 4:** "C" may not be used to migrate to or from Unbundled Network Elements.

**NOTE 5:** "C" is prohibited for Combination Ethernet Virtual Connection (EVCI = "B") services.

D = Disconnection or decrease in capacity

M = Inside move of the physical termination within a building

**22. ACT - Activity (continued)**

**NOTE 1:** Inside move excludes deregulated inside wire.

**NOTE 2:** "M" is prohibited for multipoint, broadband (REQTYP = "V") and Ethernet Virtual Connection (EVCI = "A", "B") services.

N = New installation or increase in capacity.

R = Record activity is for ordering administrative changes.

**NOTE 1:** A billing account number change is not supported by the ASR. Such requests are to be processed using provider procedures.

**NOTE 2:** Administrative changes may be chargeable under provider tariffs.

**NOTE 3:** When the second position of the TQ field is "N" or "X", the ACT field entry must be "C" or "R".

**NOTE 4:** When the EOD USE field on the EOD Form is "A", the ACT field entry must be "R".

T = Outside move of end user location

**NOTE 1:** "T" is prohibited for Feature Group A, B, C, D, local trunking, multipoint, broadband (REQTYP = "V") and Ethernet Virtual Connection (EVCI = "A", "B") services.

**NOTE 2:** Such moves are permitted for special access and WATS Access lines when terminated at an end user location (other than an ACTL).

**22. ACT - Activity (continued)**

**NOTE 3:** Outside moves are accommodated on a single customer order with the stipulation that the BAN (Billing Account Number), the NC (Network Channel Code), ACTL (Access Customer Terminal Location) and the ECCKT are provided and are the same as for the existing circuit being moved.

**MULTIPOINT ORDERING:** Multipoint activity specific rules are covered in the following matrix describing the use of ACT as it relates to the LEGACT field on the MSL Form:

Type of Activity	ACT entry	LEGACT entry
New Connect	N	N
Complete Disconnect	D	D
Add Leg	C	N
Disconnect Leg	C	D
Inside Move Leg	C	M
Outside Move Leg	C	N & D *
Change Leg	C	C
Record	R	R
Cancel a Leg		K

\* 2 MSLs required

**NOTE 1:** If the disconnect of a Leg(s) on an existing multipoint configuration causes it to change to a two point configuration, two ASRs may be required depending on provider procedures. If two ASRs are required, one would contain an ACT of "D" and the other "N". Use of the RPON field along with remarks would be necessary in an effort to be sure that there is no interruption of service.

## 22. ACT - Activity (continued)

**NOTE 2:** If the customer wishes to cancel a request for a leg or legs of a multipoint configuration, the LEGACT of "K" will be used. However, if the cancellation causes it to change to a two-point configuration, the original request should be cancelled and a new request submitted for the two-point configuration.

**RING ORDERING:** Ring activity specific rules are covered in the following matrix describing the use of ACT as it relates to the SEGACT field on the RING or ARI Form:

Type of Activity	ACT entry	SEGACT entry
New Connect	N	N/A
Complete Disconnect	D	N/A
Add Segment*	C	N
Disconnect Segment*	C	D
Inside Move Segment	N/A	N/A
Outside Move Segment	N/A	N/A
Node allocation change	C	C
Recap of Segment	C	R

\*Adding and disconnecting segments supports the "move" activities

**VIRTUAL CONNECTION ORDERING:** Virtual Connection activity specific rules are covered in the following matrix describing the use of ACT as it relates to the VCACT field on the VC Form:

**22. ACT - Activity (continued)**

<u>Type of Activity</u>	<u>ACT entry</u>	<u>VCACT entry</u>
New NNI/UNI with VC	N	N
Complete Disconnect	D	D
Add VC	C	N
Disconnect VC	C	D
Inside Move of /UNI	M	C or R
Outside Move of /UNI	T	C or N
Change VC	C	C
Record Activity	R	R
Cancel a VC		K

**NOTE 1:** If the customer wishes to cancel a request for a VC, the VCACT of "K" will be used.

**ETHERNET VIRTUAL CONNECTION ORDERING:** Ethernet Virtual Connection activity specific rules are covered in the following matrix describing the use of ACT as it relates to the UACT and LOSACT fields on the EVC Form.

For a stand alone request the ASR ACT represents the activity of the EVC/OVC.

For a combination request the ASR ACT represents the activity of both the physical port and the EVC/OVC.

**22. ACT - Activity (continued)**

<u>Type of Activity</u>	<u>ASR ACT</u>	<u>UACT</u>	<u>LOSACT</u>
New Connect	N	N	N
Complete Disconnect of EVC	D	D	
Add UNI Termination	C <sup>1</sup>	N	N
Disconnect UNI/ENNI Termination	C <sup>1</sup>	D	
Change EVC/OVC (includes changes to a UNI/ENNI termination)	C <sup>1</sup>	N, C, D	N, C, D
Record Activity	R	R	
Cancel UNI/ENNI Termination	N, C <sup>1</sup> , D, R	K	
Cancel a Level of Service (LOS)	N, C <sup>1</sup>		K
Inside Move Segment	N/A	N/A	N/A
Outside Move Segment	N/A	N/A	N/A

**NOTE 1:** If the customer wishes to cancel a request for a UNI/ENNI termination the UACT of "K" will be used. The UACT of "K" will imply that all LOS activity associated with the cancelled UNI/ENNI termination will also be cancelled.

---

<sup>1</sup> Activity of "C" is not applicable for a combination request.

**22. ACT - Activity (continued)**

**NOTE 2:** If the customer wishes to cancel a request for a LOS, but the UNI/ENNI termination remains intact on the request, the LOSACT of "K" will be used.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **23. ACTI - Activity Indicator**

Identifies whether an order is an augment or a new trunk group and a partial or full disconnect.

### **VALID ENTRIES:**

- A = Trunk Group Augment without translation changes
- B = Trunk Group Augment with translation changes
- C = New Trunk Group
- D = Partial Trunk Group Disconnect
- E = Full Trunk Group Disconnect and Traffic Re-route  
(Single service request process)
- F = Full Trunk Group Disconnect and No Traffic to be Re-routed

**NOTE 1:** An entry of “A” is valid for an increase in the number of trunks within an existing trunk group, with no changes made to the features or translations.

**NOTE 2:** An entry of “B” is valid for an increase in the number of trunks within an existing trunk group, with changes made to the features or translations.

**NOTE 3:** An entry of “C” is valid when ordering a new trunk group.

**NOTE 4:** An entry of “D” is valid for a decrease in the number of trunks within an existing trunk group, with no changes made to the features or translations.

**NOTE 5:** An entry of “E” is valid for the complete disconnect of a trunk group, and the re-route of traffic as defined in the attached TQ.

**23. ACTI – Activity Indicator (continued)**

**NOTE 6:** An entry of “F” is valid for the complete disconnect of a trunk group (no TQ will accompany this service request).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field is “M” and ACT field is “N”. Valid ACTI values must be “A”, “B” or “C”.

**NOTE 2:** Required when the first position of the REQTYP field is “M” and the ACT field is “D”. Valid ACTI values must be “D”, “E” or “F”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**24. QSA - Quantity Service Address Location Information**

Identifies the total number of Service Address Location Information Forms being sent by the customer.

**NOTE 1:** QSA cannot be greater than “01” when the REQTYP field is “E” and the SEI field is populated.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the EVCI field is “A”.

**NOTE 2:** Required when the ACT field is “N” or “T”, the first position of the REQTYP field is “S”, “E”, “W”, “V” or “X”, the NAG and SEI fields are not populated, and the first position of any PRILOC/SECLOC field is an “E”.

**NOTE 3:** Required when the ACT field is “N” and the first position of the REQTYP field is “R” and the first position of the PRILOC field is “E” and the SPOT (PRI) field is not a CLLI Code on the Ring or ARI Form.

**NOTE 4:** Required when the ACT field is “N” or “T” and the first position of the REQTYP field is “A” and the NSL field on the FGA Form is populated.

**NOTE 5:** Required when the first position of the REQTYP is “E”, the ACT field is “M” or “N” and the SEI field is populated.

**NOTE 6:** Prohibited when the first position of the REQTYP field is “M”.

**NOTE 7:** Prohibited when the first position of the REQTYP field is “S” and the SEI field is populated.

**NOTE 8:** Prohibited when the NAG field is populated.

**24. QSA - Quantity Service Address Location Information (continued)**

**NOTE 9:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |0|6|

## 25. **WST** - Wireless Service Type

Identifies the type of wireless service being requested.

### **VALID ENTRIES:**

- A = Dial Mobile or Paging
- B = Manual Mobile with DA allowance
- C = Manual Paging
- D = Type Dial Live Line
- E = Type 1 Direct Inward Dial Trunk
- F = Type 2A Tandem Interconnection
- G = Type 2B End Office Interconnection
- H = Type 1 Trunk Side Message Toll
- J = Type 2D Direct connection to a DA Tandem
- K = 2T Equal Access Tandem trunks
- L = 2C E911 to a selector router
- M = EO 251/252 End Office trunks (with full NXX)
- N = AX 251/252 Auxiliary trunk with basic 911, DA, OS and IC PIC
- P = ME 251/252 Modified End Office (Land to Mobile blocks of 100's or 1000's)
- R = TD 251/252 Tandem trunk
- S = TT 251/252 Transit trunk (for IC traffic)
- T = Direct connection to an operator tandem

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field is "S", "W", "L", "R", "V" or "X".

**NOTE 2:** Prohibited when the ACT field is "D" and the ACTI field is "D" or "F".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** [D]

**26. LATA** - Local Access Transport Area

Identifies the geographical area for the service being provided.

**NOTE 1:** It is anticipated that the termination point for this service is a point of presence (POP), a point of interconnection (POI) or end user premises within this LATA.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** 4|3|8

## **27. EVCI – Ethernet Virtual Connection Indicator**

Identifies that an Ethernet Virtual Connection (EVC) Form is associated with this service request.

### **VALID ENTRIES:**

A = Stand Alone EVC  
B = Combination EVC

**NOTE 1:** An entry of “A” indicates that the request is a Stand Alone EVC. The Transport, End User Special Access, and Switched Ethernet Services forms are prohibited.

**NOTE 2:** An Entry of “A” is applicable only when the first position of the REQTYP is “S”.

**NOTE 3:** An Entry of “B” indicates that the request is a Combination EVC or OVC which includes one UNI or ENNI physical port and the EVC or OVC. An EVC Form must be accompanied by a Transport, End User Special Access, or Switched Ethernet Services form.

**NOTE 4:** Changes to this field that are prohibited on Firm Orders and require a cancellation of the original request and a new request to be submitted are as follows:

- Changing from a stand alone EVC/OVC to a combination
- Changing from a combination to a stand alone EVC/OVC
- Changing from a UNI/ENNI to a stand alone EVC/OVC
- Changing from a UNI/ENNI to a combination
- Changing from a stand alone EVC/OVC to a UNI/ENNI

## **27. EVCI – Ethernet Virtual Connection Indicator (continued)**

**NOTE 5:** A change to this field that is allowed on Firm Orders and does not require a cancellation of the original request is as follows:

- Changing from a combination to a UNI/ENNI

**NOTE 6:** A change to this field that is allowed at the time of submission from Service Request Confirmation (REQTYP “EB” or “SB”) to Firm Order (REQTYP “EC” or “SC”) and does not require a cancellation of the original request is as follows:

- Changing from a UNI/ENNI to a combination

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is “S” or “E” otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **28. SEI - Switched Ethernet Indicator**

Identifies this service request is ordering a UNI/ENNI connection to a provider owned Ethernet switch/router with the Switched Ethernet Services Form.

**NOTE 1:** The Transport and End User Special Access Forms are not to be used when the SEI field is populated.

### **VALID ENTRIES:**

Y = Switched Ethernet Services Form is associated with the request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field is “E” or “S” and Switched Ethernet services are being requested, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **29. SRN – Service Reservation Number**

Identifies the Service Reservation Number assigned by the provider in response to a request to reserve facilities.

**NOTE 1:** If a provider offers a reservation process, this number would be assigned based on pre-planning/pre-engineering agreements or the service inquiry process.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |0|1|L|Z|C|H|-|0|0|0|0|1| | | | | | |

|0|1|L|Z|C|H|-|0|1| | | | | | |

**30. RTR - Response Type Requested**

Identifies the type of confirmation response requested by the customer.

**NOTE 1:** Changes to this field are only permitted prior to confirmation.

**VALID ENTRIES:**

F = Send FOC only  
N = No response required  
S = Send FOC and DLR; CDLRD waived

**NOTE 1:** “S” is prohibited when the ACT field is “D”, “M” or “R” or the EVCI field is “A”.

1-10 = Send FOC and DLR; CDLRD required

**NOTE 1:** A numeric entry indicates the number of working days that the customer requires to confirm the Design Layout Report (DLR) and will be added to the overall interval.

**NOTE 2:** “1-10” prohibited when the ACT field is “D”, “M” or “R” or the EVCI field is “A”.

**30. RTR - Response Type Requested (continued)**

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

### **31. SUP - Supplement Type**

A supplement is any new iteration of an Access Service Request (ASR). The entry in the SUP field identifies the reason for which the supplement is being issued.

**NOTE 1:** An entry in the REMARKS field can be used to clarify the request.

#### **VALID ENTRIES:**

1 = Cancel - Indicates that the pending order is to be canceled in its entirety.

**NOTE 1:** If the pending order was already completed as ordered, a separate request must be sent instead of the supplement.

**NOTE 2:** Valid for Service Requests (Inquiry) and Firm Orders whether or not the ASR has been confirmed by the provider.

**NOTE 3:** If the ASC-EC changes, a SUP 1 must be issued to cancel the request. A new request is then issued with the new ASC-EC.

2 = New Due Date - Indicates a change to the Desired Due Date (DDD) and any associated fields as defined by provider customer negotiations.

**NOTE 1:** The new DDD may not exceed the limits defined in Provider Access Tariff/practices. The EXP field must be populated when the DDD is less than the standard interval. The EXP field may need to be populated when the DDD is sooner than the existing desired due date.

**NOTE 2:** Valid only for Firm Orders whether or not the ASR has been confirmed by the provider.

**31. SUP - Supplement Type (continued)**

3 = Other - Any other change to the Firm Order that has been confirmed by the provider.

**NOTE 1:** This Supplement Type may affect the previously agreed upon due date.

**NOTE 2:** This Supplement Type supports partial cancellations.

**NOTE 3:** If this Supplement Type also includes a change to the DDD, the new date may not exceed the limits defined in Provider Access Tariff/practices. The EXP field must be populated when the DDD is less than the standard interval. The EXP field may need to be populated when the DDD is sooner than the existing DDD.

**NOTE 4:** Provider Access Tariffs/practices define the allowable set of changes that can be accommodated on this Supplement Type.

**NOTE 5:** In a Multi-EC environment, the use of a SUP type “3” is to be based on the status of the ASC-EC FOC. Since an OEC FOC status may not necessarily match the ASC-EC FOC status, OECs must be able to accept SUP type “3” regardless of FOC status when the ASC-EC field is populated.

**NOTE 6:** Used when an OEC is added to or deleted from the Multi-EC Form. Therefore, when the ASC-EC field is populated with an ICSC code other than that of the receiving provider, the receipt of a SUP “3” must be acceptable as the initial ASR to the added OEC.

4 = Correction - Indicates that this request is being issued to correct a previous request that has not already been confirmed by the provider.

**31. SUP - Supplement Type (continued)**

**NOTE 1:** Valid for Firm Orders when the ASR has not been confirmed by the provider.

**NOTE 2:** Valid for Service Requests (Inquiry) whether or not the ASR has been confirmed by the provider.

**NOTE 3:** In a Multi-EC environment, the use of a SUP type "4" is to be based on the status of the ASC-EC FOC. Since an OEC FOC status may not necessarily match the ASC-EC FOC status, OECs must be able to accept SUP type "4" regardless of FOC status when the ASC-EC field is populated.

**NOTE 4:** Used when an OEC is added to or deleted from the Multi-EC Form. When the ASC-EC field is populated with an ICSC code other than that of the receiving provider, the receipt of a SUP "4" must be acceptable as the initial ASR to the added OEC.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited on initial requests.

**NOTE 2:** Prohibited when changing a Service Request to a Firm Order.

**NOTE 3:** Prohibited when changing service type, which results in a change to the first character of the REQTYP field.

**NOTE 4:** Prohibited if the pending order was already completed as ordered or canceled.

**NOTE 5:** Otherwise required.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 4

## 32. AFO - Additional Forms

Indicates which additional forms are being submitted with this request.

Character Position 1= Additional Circuit Information (ACI) Form  
Character Position 2= Reserved for future use  
Character Position 3= Network Assignment Information (NAI)  
Character Position 4= End Office Detail (EOD) Form  
Character Position 5= Virtual Concatenation (VCAT) Form

**NOTE 1:** The customer should populate the appropriate character position(s) to indicate which additional form(s) is attached.

### VALID ENTRIES:

Character Position	Valid Entry	Attached Form(s)
1	Y	ACI Form
2		Reserved for future use
3	Y	NAI Form
4	Y	EOD Form
5	Y	VCAT Form

**NOTE 1:** Position 1 entry must be populated for a supplement canceling all circuits contained on the initial ACI records; each individual circuit record on the supplement would carry a CKTACT = "K".

**NOTE 2:** An entry in position 1 is not applicable when the first position of the REQTYP field is "R".

**32. AFO - Additional Forms (continued)**

**NOTE 3:** An entry in position 1 must be used when position 3 is populated and the first position of the REQTYP field is “M”, the entry in the QTY field is greater than one (1) and the QACI field on the Trunking Form is populated.

**NOTE 4:** When position 3 is populated and the first position of the REQTYP field is “A”, “E” or “S” and the entry in the QTY field is greater than one (1), character position 1 must be populated.

**NOTE 5:** An entry in position 5 is only applicable when the first position of the REQTYP field is “E”, “R”, “S”, “V” or “X”.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated request form(s) is applicable and sent, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha characters

**EXAMPLE:** Y

**33. QNAI - Quantity Network Assignment Information**

Identifies the total number of NAI Circuit Detail Sections sent by the customer.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the third position of the AFO field is "Y", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 06

**34. TQ - Translation Questionnaire Request**

Indicates that a translation questionnaire is being submitted.

**VALID ENTRIES:**

1<sup>st</sup> Position

- A = No TQ attached
- B = FGB translations
- C = Code (NPA/NXX) Translation Routing Only
- D = FGD translations
- E = STP Translation Changes
- L = Local translations
- M = Local translations and Code Translation Routing
- S = SAC only
- T = FGD translations and SAC
- U = FGB translations and SAC
- W = Wireless translations
- X = Wireless translations and Code Translation Routing
- 1-9 = TQ on file

2<sup>nd</sup> Position

- N = No Trunking Form
- X = Trunking Form (no trunk activity)
- Y = Trunking Form (trunk activity)

**NOTE 1:** When the first position of TQ is “A”, the ASR which has the TQ Form attached will be identified in the RPON field.

**NOTE 2:** When the first position of TQ is “L”, “M”, “W”, “X” or “C”, entries in the CC or WST, or the CC and the WST fields are required.

**NOTE 3:** When the first position of TQ is “A”, “B”, “D”, “S”, “T”, “U”, or “1-9”, entries in the CC or WST, or the CC and the WST fields are prohibited.

**34. TQ - Translation Questionnaire Request (continued)**

**NOTE 4:** The second position of “X” indicates a Trunking Form is provided for system requirements rather than provisioning purposes.

**NOTE 5:** When the ACT field is “N”, a second position of “N” or “X” is prohibited.

**NOTE 6:** When the first position of the TQ field is “E”, the second position of the TQ field must be an “X”.

**NOTE 7:** When the first position of the TQ field is “E”, the first position of the REQTYP field must be an “L” and the ACT field must be a “C”.

**NOTE 8:** When the first position of the TQ field is “C”, the first position of the REQTYP field must be an “M” and the ACT field must be a “C”.

**USAGE:** This field is conditional

**NOTE 1:** Required when the first position of the REQTYP field is “M”, the ACT field is “N” and the ACTI field is “B” or “C”.

**NOTE 2:** Optional when the first position of the REQTYP field is “L” or “M” and the ACT field is “C”.

**NOTE 3:** Required when the first position of the REQTYP field is “M”, the ACT field is “D” and the ACTI field is “E”.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLES:**

D	Y
---	---

1	Y
---	---

**35. EXP - Expedite**

Indicates that expedited treatment is requested and any charges generated in provisioning this request (e.g., additional engineering charges or labor charges if applicable) will be accepted.

**VALID ENTRIES:**

Y = Expedite Charges Authorized

**USAGE:** This field is conditional.

**NOTE 1:** Required when desired due date is less than the standard interval for the provisioning of the service and the ACT field is not "D".

**NOTE 2:** Prohibited when the ACT field is "D", except outward WATS service.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**36. EDA – Early Date Acceptance**

Indicates that the customer agrees to accept an earlier due date on their confirmation notice than the desired due date requested if the provider can accommodate an earlier date.

**NOTE 1:** Population of this field specifies that the customer agrees to accept billing based on the provider due date returned on the confirmation notice.

**NOTE 2:** Population of this field will not result in expedite charges being billed.

**VALID ENTRIES:**

Y = Early Acceptance Authorized

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the EXP field is populated.

**NOTE 2:** Prohibited when the ASC-EC field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **37. AENG - Additional Engineering**

Indicates that if additional engineering is required, an estimate of the charges is to be forwarded to the initiator of the request.

**NOTE 1:** This engineering activity is ordered from applicable state tariffs, not from Inter-state Access Tariffs.

**NOTE 2:** Additional technical information after the provider has provided the Design Layout Report (DLR), may be billable as additional engineering.

#### **VALID ENTRIES:**

- 1 = overtime engineering
- 2 = engineering connections when more than one provider is providing the access service
- 3 = overtime engineering and engineering with other providers
- 4 = other engineering

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field is “N”, “C”, “M” or “T”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** |3|

**38. ALBR - Additional Labor**

Indicates that additional labor is requested and charges will be accepted in conjunction with this Access Service Request, (e.g., Sunday or out of normal business hour installation is being requested).

**NOTE 1:** If other labor is requested, the specific labor will be determined in verbal contact between the provider installation-control office and the customer implementation contact.

**NOTE 2:** It is assumed the initiator has the authority to authorize these requests.

**NOTE 3:** Entry in this field is not required if a "Y" has been entered in the Expedite (EXP) field.

**VALID ENTRIES:**

- 1 = Overtime installation
- 2 = Testing with other providers
- 3 = Other labor
- 4 = Overtime installation and testing with other providers
- 5 = Overtime and other labor
- 6 = Testing with other providers and other labor
- 7 = Overtime installation, testing with other providers and other labor

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field is "N", "C", "M" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 2

### **39. AGAUTH - Agency Authorization Status**

Indicates that a customer is acting as another customer's agent.

**NOTE 1:** If this is a new authorization, the customer must provide a copy of the written authorization to the provider.

**NOTE 2:** Consult with the provider to determine local policy of agency authorization requirements for the billing of end users when ordered by the customer.

#### **VALID ENTRIES:**

B = Blanket authorization was previously provided  
E = Authorization was previously provided  
N = New authorization is submitted

**USAGE:** This field is conditional.

**NOTE 1:** Required when the customer is acting as a customer agent, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** E

**40. DATED - Date of Agency Authorization**

Identifies the date appearing on the agency authorization, which was previously submitted to the provider.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the AGAUTH field is “E” or “B”, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|6|-|2|0|-|1|9|8|4|

|1|9|8|4|-|0|6|-|2|0|

**41. CUST - Customer Name**

Identifies the name of the customer who originated this request when that customer will only have a limited amount of exchange access and has not been assigned a CCNA (Customer Carrier Name Abbreviation).

**NOTE 1:** The initiator of this request will be contacted to supply customer location information and technical specifications.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CCNA field is “CUS”, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |J|O|H|N| |J| .| |S|M|I|T|H|

# | | C | O | R | P | . | | | | | | | |

**42. LA - Lease Arrangement**

Indicates there is a lease arrangement associated with the ACTL and ACNA identified.

**NOTE 1:** A lease arrangement exists when one customer's access service is being provided into another customer's point of interface (POI).

**NOTE 2:** The customer may be required to provide either a written copy of the lease arrangement, a letter of authorization (LOA) or defined, pertinent, auditable information to the provider when the circuit/facility being ordered is an immediate service that terminates at the ACTL. Circuit/facility requests by the same customer ordering against the immediate circuit/facility for which a lease arrangement exists will not be required to reaffirm the lease agreement.

**VALID ENTRIES:**

Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Required when a lease arrangement exists, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**43. LADATED - Date of Lease Arrangement**

Identifies the date appearing on the lease arrangement.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LANM field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|6|-|2|0|-|1|9|8|4|

|1|9|8|4|-|0|6|-|2|0|

**44. LANM - Lease Authorization Name**

Indicates the name of the transport owner (lessor) representative who signed the lease arrangement (LOA).

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LA field is “Y”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|0|H|N| J|O|N|E|S| | | | |

#### **45. JPR - Jointly Provided Ring**

Indicates one of the Central Office nodes of the other provider on a jointly provided ring when the facility is immediately riding a protected ring.

**NOTE 1:** A ring can consist of multiple node locations that are not included in the ring CFA of a riding circuit, but are pass-through locations with another provider on the ring who requires a copy of the ASR for cross connection.

**NOTE 2:** All services riding a Jointly Provided Ring require all providers on the ring to receive a copy of the ASR, even if the locations on the Ring CFA of the riding circuit do not indicate another provider.

#### **VALID ENTRIES:**

Central Office CLLI Code of the other provider on the ring

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is “S”, and the CFA or SCFA field on the Transport form or ACI form, or any of the ICFA (n) fields on the NAI form contains a CFA of a jointly provided ring.

**NOTE 2:** Optional when the first position of the REQTYP field is “E”, and the CFA (PRILOC) or CFA (SECLOC) field on the EUSA Form, or the CFA or SCFA on the ACI form, or any of the ICFA(n) fields on the NAI form contains a CFA of a jointly provided ring.

**NOTE 3:** Otherwise prohibited.

**45. JPR** - Jointly Provided Ring (continued)

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |C|H|C|G|I|L|W|B| | | |

|L|S|A|N|C|A|0|1|H|2|1|

#### **46. NAG - Network Access Groom**

Identifies this service request as a CFA or CCEA change which will require no contact with the end user at the terminating location (SECLOC).

**NOTE 1:** This field applies only when the Primary, Secondary, Intermediary CFA or CCEA is changing and the end user terminating location is not changing.

**NOTE 2:** Population of this field indicates that the provider will use existing end user location information on record for the circuit(s) being groomed.

#### **VALID ENTRIES:**

Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is “S”, the ACT field is “N” or “D”, the RPON field is populated, the NSL field on the Transport Form is not populated and a Network Access Groom is being requested.

**NOTE 2:** Optional when the first position of the REQTYP field is “S”, the ACT field is “C”, the NSL field on the Transport Form is not populated and a Network Access Groom is being requested.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**47. FBA - Facility Billing Arrangement**

Indicates a special arrangement has been negotiated between the host customer of a higher level service and the subsequent customer of the lower level service.

**VALID ENTRIES:**

1<sup>st</sup> Position

- A = Shared network
- B = Lease Back
- C = Split Billing - All Elements
- D = Split Billing

2<sup>nd</sup> through 4<sup>th</sup> Positions

Y = Indicates the requirement of split billing on the respective element.

**NOTE 1:** An entry in one or more of positions 2 through 4 is required when position 1 is “D”.

**NOTE 2:** The following define element labels:

- EF = Entrance Facility
- DT = Direct Transport
- MUX = Multiplexing

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N”, “C” or “T” and the ACNA field is different from the ACNA associated with the facility (CFA and/or SCFA) and the UNE and CC fields are not populated.

**47. FBA - Facility Billing Arrangement (continued)**

**NOTE 2:** Optional when the ACT field is “R” and the ACNA field is different from the ACNA associated with the facility (CFA and/or SCFA) and the UNE and CC fields are not populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:** FBA EF DT MUX  

D	Y	Y	
---	---	---	--

#### **48. FNI - Fiber Network Identification**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

##### **VALID ENTRIES:**

Valid Fiber Network Identification

N = New

**NOTE 1:** A valid entry of “N” is used when an FNI has not previously been assigned.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field is “R” and the UNE field is not populated.

**NOTE 2:** Required for DS1/DS3 within a fiber network when the ACT field is “N”, “C”, “M”, “T” or “R” and the UNE field is not populated.

**NOTE 3:** Required for services riding a dedicated ring when the ACT field is “N”, “C”, “M”, “T” or “R” and the UNE field is not populated.

**NOTE 4:** Otherwise prohibited.

**48.** **FNI** - Fiber Network Identification (continued)

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:**

N	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

W	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

N												
---	--	--	--	--	--	--	--	--	--	--	--	--

**49. FNT - Fiber Network Type**

Identifies the type of network to which the fiber based service is being assigned.

**VALID ENTRIES:**

- A = Synchronous Optical Network (SONET)
- B = Dense Wave Division Multiplexing (DWDM)
- C = Optical Transport Network (OTN)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the FNI field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |B|

## 50. **RFNI** – Related Fiber Network Identification

Identifies the associated fiber based network information for this request.

**NOTE 1:** The Related Fiber Network Identification data will have been previously assigned by the provider.

### **VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is “R”, “S” or “E” and the ACT field is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:** [N|1|2|3|4|5| | | | | | | ]

[W|1|2|3|4|5| | | | | | | ]

## **51. CFNI - Customer Fiber Network ID**

Identifies the customer's circuit identification code for the ring being requested.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters

**52. PSL - Primary Service Location**

Identifies the primary service location when the terminating and the originating points are not the ACTL.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300): Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-100-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.1.

**VALID ENTRIES:**

Valid CLLI Code

**NOTE 1:** Valid entries (CLLI Codes) are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the PSNI is "G".

**NOTE 2:** Required when the PSNI is "A", "B", "C", "D", "E" or "F".

**NOTE 3:** Prohibited when the ACT field is "D".

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |W|A|S|H|D|C|S|W|D|S|1|

### 53. **PSLI** - Primary Service Location Indicator

Identifies the use of the PSL field.

#### **VALID ENTRIES:**

- A = Provider Switch
- B = Provider Central Office
- C = Customer Physical Collocation
- D = Customer Virtual Collocation
- E = LERG Switch CLLI (CSL Out of LATA Scenario)
- F = LERG Switch CLLI (CSL In LATA Scenario)
- G = Wireless Terminating Service (Out of LATA Scenario no NPA/NXX's assigned)

**NOTE 1:** Valid entry of "E" is to be used to identify the customer's Telcordia™ LERG™ Routing Guide based switch for Local Interconnection or Wireless Trunks when the actual switch is outside the LATA of services for the assigned NPA/NXX's.

**NOTE 2:** Valid entry of "F" is to be used to identify the customer's LERG™ based switch for Local Interconnection or Wireless Trunks when the actual switch is inside the LATA of services for the assigned NPA/NXX's.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CC and UNE fields are populated and the ACTL field is not populated.

**NOTE 2:** Required when the ACT field is "N" or "C", the first position of the REQTYP field is "M" and the CC or WST fields, or the CC and WST fields are populated.

**53. PSLI - Primary Service Location Indicator (continued)**

**NOTE 3:** Prohibited when the ACT field is “D”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **54. CKR - Customer Circuit Reference**

Identifies the circuit number or range of circuit numbers used by the customer.

**NOTE 1:** CKR is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when EVCI field is “A”, otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** |L|0|0|0|2| - |0|0|2|4| | | | | | | | | | |

## 55. UNIT - Unit Identification

Identifies whether the Quantity (QTY) field contains number of circuits, ring segments, Busy Hour Minutes of Capacity (BHMC) for switched access service or percent of market share.

### **VALID ENTRIES:**

- B = Number of BHMC
- C = Number of lines, trunks, facilities, circuits, CCS links, ring segments or unbundled elements.
- P = Percent market share

**NOTE 1:** Percent of market share is an option for the ordering of initial Feature Group D. The percent of market share figure is specified by the customer. The provider converts this figure into the number of trunks required for service. The customer may specify this figure only when an end office is scheduled for equal access conversion.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field is "M", the ACT field is "N", "C" or "D", the second position of the TQ field is not "N" or "X" and the EOD USE field on the EOD Form is not "A".

**NOTE 2:** Required when the first position of the REQTYP field is "A" or "L" and the ACT field is "N", "C" or "D".

**NOTE 3:** Prohibited when the second position of the TQ field is "N" or "X" or the EOD USE field on the EOD Form is "A".

**55. UNIT - Unit Identification (continued)**

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** B

**56. PIU - Percentage of Interstate Usage**

Identifies the expected Interstate Usage for the access service on this request. Both Interstate and Intrastate may be ordered on a single Access Service Request by specifying the applicable percent of Interstate usage. However, two Access Service Requests may be related to one another through the entry RPON (Related Purchase Order Number).

**VALID ENTRIES:**

0 to 100

LOF = Letter on File

**NOTE 1:** Special access must be ordered as 0 or 100.

**NOTE 2:** WATS access must be ordered as 0 or 100.

**NOTE 3:** FGC or FGD may be ordered with PIU field left blank where specified by tariff. The PIU is determined from measurements.

**NOTE 4:** FGA or FGB may be ordered as 0 to 100 for the line/trunk group.

**NOTE 5:** DNAL or switched access facilities may be ordered as 0 to 100.

**NOTE 6:** When the UNE field is populated the PIU must be 0 or LOF.

**USAGE:** This field is conditional.

**56. PIU - Percentage of Interstate Usage (continued)**

**NOTE 1:** Required for services other than FGC and FGD when the ACT field is "N" and the WST field is not populated.

**NOTE 2:** Required when the first position of the REQTYP field is "S", "E", "V", "X" or "W" and the ACT field is "C", "M", "T" or "R".

**NOTE 3:** Prohibited when the ACT field is "D".

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLES:** |1|0|0|

|L|O|F|

**57. PLU - Percentage of Local Usage**

Identifies the percent of local usage associated with trunk groups carrying local traffic between a LEC and a CLEC.

**VALID ENTRIES:**

000 to 100  
LOF = Letter on File

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CC field is populated and the first position of the REQTYP field is “M” and the ACT field is “N”, “C” or “R”.

**NOTE 2:** Optional when the CC field is populated and the first position of the REQTYP field is “S” or “L” and the ACT field is “N”, “C”, “M”, “T” or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |0|3|0|

**58. WSI – Wireless Site Indicator**

Identifies that the termination is at a wireless site.

**VALID ENTRIES:**

N = New  
E = Existing

**NOTE 1:** A valid entry of “New” indicates that this is the customer’s initial order to this wireless site.

**NOTE 2:** A valid entry of “Existing” indicates that the customer has previously ordered to this wireless site.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N” and the first position of the REQTYP is “S” or “E” and the SECLOC field on the Transport or EUSA Form is a wireless site, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |N|

**59. LTP - Local Transport**

Identifies the switched access local transport elements affected by this request.

**VALID ENTRIES:**

1<sup>st</sup> Position (Elements to be ordered by this request)

- A = Entrance Facility (EF)
- B = Trunks, Tandem-Switched Transport and EF
- C = Trunks and Tandem-Switched Transport
- D = Lines/Trunks, Direct-Trunked Transport and EF to End Office
- E = Lines/Trunks and Direct-Trunked Transport to End Office
- F = Lines/Trunks
- G = Direct-Trunked Transport and EF to End Office or Hub
- H = Direct-Trunked Transport to End Office or Hub
- I = Tandem-Switched Transport and EF
- J = Direct-Trunked Transport to Access Tandem
- K = Direct-Trunked Transport and EF to Access Tandem
- L = Trunks and Direct-Trunked Transport to Access Tandem
- M = Trunks, Direct-Trunked Transport and EF to Access Tandem
- N = LTP not applicable
- P = Links, Direct-Link Transport and EF to STP
- Q = Direct-Link Transport and Links to STP
- R = Links

**59. LTP - Local Transport (continued)**

**VALID ENTRIES Continued:**

2<sup>nd</sup> Position (Identifies if element uses special access facility)

- A = EF rides special access facility
- B = Direct-Trunked Transport rides special access facility
- C = Direct-Trunked Transport and EF ride special access facility
- D = Tandem-Switched Transport rides special access facility
- E = Tandem-Switched Transport and EF ride special access facility
- F = No special access

3<sup>rd</sup> Position (Level of EF)

- 0 = Voice grade capacity for the EF
- 1 = DS1 capacity for the EF
- 3 = DS3 capacity for the EF

4<sup>th</sup> Position (Level of Transport)

- 0 = Voice grade capacity for transport
- 1 = DS1 capacity for transport
- 3 = DS3 capacity for transport

**NOTE 1:** When ordering local transport to an access tandem, the direct-trunked transport valid entries should be used for flat-rated service. Tandem-switched transport valid entries should be used for usage-rated service.

**NOTE 2:** When the first position is "A", the fourth position is prohibited.

**NOTE 3:** When the first position is "C" or "E" and EF is being ordered separately, RPON is required.

**59. LTP - Local Transport (continued)**

**NOTE 4:** When the first position is “N”, the second, third and fourth positions are prohibited.

**NOTE 5:** When the first position is “B” or “C”, the use of the fourth position may be prohibited based on provider tariffs/practices.

**NOTE 6:** Use of the third and fourth positions of this field is based on customer practices.

**NOTE 7:** When the first position of the REQTYP field is “L”, use of “B”, “C”, “D” or “E” in the second position is prohibited.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field is “M” or “A” and the ACT field is “N”, “C” or “D”.

**NOTE 2:** Required for switched access facilities when the ACT field is “N”, “C” or “D”.

**NOTE 3:** Optional when the first position of the REQTYP field is “L” and the ACT field is “N”, “C” or “D”.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

D	F	1	1
---	---	---	---

N			
---	--	--	--

**60. ECCKT - Exchange Company Circuit ID**

Identifies the provider circuit ID or multiple circuit IDs.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the ECCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the ECCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** Use of ranging is based on customer/provider negotiations. Ranges should be shown within the appropriate component of the ID by specifying the lowest value of the component, hyphen, highest value of the component, e.g., trunk numbers 3500 through 3512 would be shown as 3500-3512.

**NOTE 6:** When disconnecting all circuits in a given account, "ALL" should be entered in this field, the BAN field populated, and the ACT field should contain a "D".

**NOTE 7:** The COMMON LANGUAGE Special Service Circuit Code in this field should not reflect a value that equates to the EVC circuit identification.

**NOTE 8:** The format and structure of the field is defined by ANSI standards.

**60. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.3 and 2.14.4.

**EXAMPLES:** A2/SBFS/201/981/3500//123

A2/LBFS/032719/001/NY

2. COMMON LANGUAGE Message Trunk Circuit Codes (CLCI MSG Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-400-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.2.

**EXAMPLES:** 1234/AF54IECN/MDSNWI16CG0/M-  
/DSNWI020IT

/DF55IE/BSTNMAAACG0/M-  
/MCDNMACOCG1

3. COMMON LANGUAGE Facility Codes (CLFI Codes) as defined by ANSI ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.5.

**60. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

**NOTE 1:** For identification of an unbundled multiplexer (including the collocation cross-connect), unbundled transport or a high capacity facility to a HUB location.

**NOTE 2:** Either Location A or Z must be 11 characters.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the EVCI field is “A”.

**NOTE 2:** Required when the ACT field is “C”, “D”, “M” or “T” and the first position of the TQ field is not “S”.

**NOTE 3:** Required when the ACT field is “N”, the first position of the TQ field is not “S”, and the CCVN field is populated.

**NOTE 4:** Required when the ACT field is “N” or “R”, the first position of the TQ field is not “S”, and an ECCKT has been previously provided to the customer.

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

## 61. QTY - Quantity

Identifies the quantity of circuits, ring segments, BHMCs, or the percent of market share involved in this service request.

**NOTE 1:** The UNIT field entry will define this field as circuits, ring segments, BHMCs, or percent of market share.

**NOTE 2:** To accommodate the ordering of trunks to an Access Tandem when it is required to adjust the quantity due to an overflow occurrence, a zero would be used in this field for customers not allowed to order in trunks. The number of trunks would be specified in REMARKS and a "B" would be entered in the "UNIT" field.

**NOTE 3:** When a "B" or a "C" is entered in the UNIT field and a "3" (two way) is entered in the TTT field on the Trunking Form then two traffic types may be specified in the TRFTYP field on the Trunking Form.

**NOTE 4:** If more than one access circuit or facility is involved, the circuits must have identical transmission and switching characteristics. Furthermore, all of the request information (including the desired due date), except for the circuit IDs, must be the same for all circuits involved.

**NOTE 5:** If this order is a change, rearrangement or add of a leg to a multipoint circuit (no change in circuit quantity) then the customer will enter a one (1) in this field. (NSL entry will indicate the number of legs with activity.)

**61. QTY - Quantity (continued)**

**NOTE 6:** On a new request for additional QTY or on a disconnect request for reducing the existing QTY, only the amount to be added or disconnected should be entered here. On a supplement to change the QTY on a pending order, the entire new desired QTY should be entered here.

In the latter case, a description of what the customer wants done is required in the REMARKS field. For example, if a customer has 10 circuits working and wished to remove 3 of them, they should send in a disconnect request for 3 circuits (QTY=3).

If, on the other hand, the customer places an order for 10 circuits and then decides they don't want 3 of them before the order is completed, they should send in a supplement to the original new request that shows the new QTY desired, i.e., 7 circuits (QTY=7).

**NOTE 7:** A multipoint circuit is considered to be one circuit. Only 1 multipoint circuit may be requested per Access Service Request, as interpreted herein.

**NOTE 8:** QTY must be equal to one (1) if NVC on the Transport or EUSA Form is greater than zero (0). (NVC entry on the service specific form will indicate the number of VC with activity).

**NOTE 9:** QTY must be equal to one (1) when the EVCI field is populated. (NUT field on the EVC form will indicate the number of UNI terminations with activity).

**61. QTY - Quantity (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N”, “C”, “D”, “M” or “T”, the second position of the TQ field is not “N” or “X”, and the EOD USE field on the EOD Form is not “A”.

**NOTE 2:** Prohibited when the second position of the TQ field is “N” or “X”.

**NOTE 3:** Prohibited when the EOD USE field on the EOD Form is “A”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLES:**

						6
--	--	--	--	--	--	---

			0	0	0	6
--	--	--	---	---	---	---

0	0	0	0	0	0	6
---	---	---	---	---	---	---

**62. BAN - Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for this request will be billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with individual billing procedures and provided to the customer.

**NOTE 2:** The BAN entry appearing on this form must be for the provider identified in the ICSC field.

**VALID ENTRIES:**

Valid Billing Account Number

E = Existing

N = New Billing Account requested

NB = Multi-EC Non-billing provider

**NOTE 1:** If the customer wishes to have a new billing account number for this order, enter "N" in this field. The new billing account number will appear on the bill and the Confirmation Notice Form (CN).

**NOTE 2:** "NB" represents a non-billing provider that is involved in providing this access service, when the ASC-EC field is populated.

**NOTE 3:** If an existing service BAN is invalid, the provider will determine the appropriate BAN and return it on the Confirmation Notice Form (CN).

**NOTE 4:** Use of valid entry of "E" is based on customer/provider negotiations.

**62. BAN - Billing Account Number (continued)**

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |9|8|1| - |3|5|8|7|

**63. ASG - Access Service Group**

Identifies the access service group assigned to a particular circuit or group of circuits.

**NOTE 1:** This number appears on the Customer Service Record (the billing service charge details) which was forwarded to the customer when the service was installed, or, when there was a change to the bill resulting from service order activity. The ASG may also be provided on the Confirmation Notice Form (CN) by the provider.

**NOTE 2:** If a new ASG is being requested then the only valid entry is "N".

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

1	2	3			
---	---	---	--	--	--

**64. BIC - Exchange Company Initiated Change**

Indicates the type of provider initiated change requested.

**NOTE 1:** BIC entries are provided to the customer by the provider.

**NOTE 2:** This field is valid on an ASR Form that responds to a provider initiated change.

**VALID ENTRIES:**

- 1 = Trunk Group Service Request (TGSR)
- 2 = Engineering Change
- 3 = ICSC Record Change
- 4 = Facility Transfer
- 5 = Network Reconfiguration
- 6 = Maintenance Consideration
- 7 = Other

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field is "M", otherwise optional.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** [3]

**65. BIC TEL - BIC Telephone Number**

Identifies the telephone number of the provider representative responsible for the BIC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BIC ID field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|8|2|

**66. BIC ID - BIC Identifier**

Identifies the provider contact, work group or a serial type log, etc., associated with the BIC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BIC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |C|P|C|-|M| |S|M| I|T|H| |

**67. TSC - Two Six Code**

Identifies a code assigned to a trunk group or a CCS Link Set.

**NOTE 1:** The code set is unique to each established trunk group or CCS Link Set and is provided to the customer on the Firm Order Confirmation. The TSC entry may then be populated by the customer when ordering changes, additions or deletions to an existing trunk group or CCS Link Set.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LA field is "Y" for established trunk side service or CCS Link Set.

**NOTE 2:** Optional when the LA field is not populated for established trunk side service or CCS Link Set.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|Q|2|3|4|5|6|7|

**68. ISTN - Interconnection Screening Telephone Number**

Identifies the telephone number used for billing or translation purposes.

**VALID ENTRIES:**

Telephone number format  
NPA-NXX-XXXX

**NOTE 1:** This telephone number would be customer owned and identified during customer/provider pre-negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field is “D”, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|3|1|4| - |8|3|7| - |1|2|3|4|**

## 69. ACTL - Access Customer Terminal Location

Identifies the CLLI Code of the customer facility terminal location. The CLLI Code will have been previously assigned.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**69. ACTL - Access Customer Terminal Location (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** Use of assigned CLLI Codes may be negotiated.

**NOTE 4:** This field will carry the CLLI Code assigned for the location. The precise usage of the field by a provider will result from negotiation between the provider and the customer.

**NOTE 5:** On an Access Service Request for a WAL, the customer may indicate the ACTL from which or to which the WAL traffic originates or terminates.

**NOTE 6:** The ACTL code is an 11 character CLLI Code designed for the identification of location entities for all services. The first 8 characters may represent a building location. The 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> characters identify a specific customer, and, in addition, may also represent a specific type of service.

**NOTE 7:** The APOT field is required if the ACTL does not identify the specific physical termination point of the access service.

**NOTE 8:** In a customer leasing arrangement, this field will be populated with the facility ACTL (e.g., 9<sup>th</sup>, 10<sup>th</sup> 11<sup>th</sup> characters are "WXX" or "HXX" of the facility owner's point of presence [POP]).

**NOTE 9:** Multiple customers may utilize the same ACTL. In some cases, providers maintain the same ACTL CLLI Code in this situation, and in other cases, providers may assign different CLLI Codes (9, 10 and 11<sup>th</sup> characters) for each customer. This would include access service requested between the terminals of two different customers.

**69. ACTL - Access Customer Terminal Location (continued)**

**NOTE 10:** For those companies that do not rebundle unbundled trunking and transport, the ACTL and SECLOC must represent the same physical location.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the EVCI field is “A”.

**NOTE 2:** Prohibited when the first position of the REQTYP field is “E” or “X”.

**NOTE 3:** Prohibited when the PRILOC field on the RING Form is populated.

**NOTE 4:** Prohibited when the PSLI field is “A”.

**NOTE 5:** Optional when the second position of the TQ field is “N” or “X”.

**NOTE 6:** Optional when the first position of the REQTYP field is “W” and the BAN field is not “N”.

**NOTE 7:** Otherwise required.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** [M| I |L|N|T|N|M|A|W|0|1]

[M| I |L|N|T|N|M|A|X|M|D]

## 70. APOT - Additional Point of Termination

Further identifies the physical ACTL Point of Termination.

**NOTE 1:** This field may be a CLLI Code or a narrative format to identify a termination location within an ACTL. For example, the customer may pre-assign cross-connect information for its service-to-service order coordination.

**NOTE 2:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**70. APOT - Additional Point of Termination (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 3:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACTL field does not identify the specific physical termination point of the access service.

**NOTE 2:** Prohibited when the ACT field is “D”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |M| I |L| N|T|N|M|A|F|X|X|

|B| 1| 7| - |P| 5| - |J|K|2|4|

**NOTE 1:** The above example could indicate Bay 17, Panel 5 and Jack 24 as the APOT.

**71. RORD - Related Order Number**

Identifies a provider's related order number.

**NOTE 1:** This field may be used to convey a CENTREX order number obtained from the provider representative handling the CENTREX account.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the provider has pre-assigned a related order number, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|4|5|6|8|9|5| | | | | | | | | | |

**72. RPON - Related Purchase Order Number**

Identifies the PON of a related Access Service Request.

**NOTE 1:** The RPON field may be used for relating both “N” and “D” Access Service Requests that change a location (different premises) of an existing service.

**NOTE 2:** The RPON field may be used to relate intrastate and interstate requests for a mixed group such as for Feature Group A service when ordered using separate Access Service Requests or relating requests with firm orders.

**NOTE 3:** When the CCVN field is populated, the RPON field for the disconnect ASR must contain the new connect ASR PON. The RPON field of the new connect ASR may contain the disconnect ASR PON.

**NOTE 4:** When the TQ field is “A”, the RPON field will contain the PON of the ASR which has the TQ attached (Master ASR). See ATIS/OBF-ASR-019, General Section. This rule takes precedence over any other RPON value.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “D” and the CCVN field is populated.

**NOTE 2:** Required when the NOR field is populated.

**NOTE 3:** Required when the first position of the TQ field is “A”.

**72. RPON - Related Purchase Order Number (continued)**

**NOTE 4:** Required when the ATN field on the Transport Form is "N".

**NOTE 5:** Required when the REL TSC field on the Trunking Form is "N".

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

### 73. LAG – Link Aggregation Group

Identifies this request is ordering Link Aggregation.

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

#### **VALID ENTRIES:**

- E = Existing Link Aggregation group. Activity impacting an existing Link Aggregation group (add or remove members)
- N = New Link Aggregation group created on this request (The provider will assign a LAG-ID and provide it on the Confirmation Notice)
- D = Disconnect of entire existing Link Aggregation group.

**NOTE 1:** A valid entry of “E” is applicable when the ACT field is “N”, “C” or “D”.

**NOTE 2:** A valid entry of “N” is only applicable when the ACT field is “N”.

**NOTE 3:** A valid entry of “D” is only applicable when the ACT field is “D”.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field is “E” or “S” and the ACT field is “N”, “C” or “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** E

#### **74. CCVN - Coordinated Conversion**

Identifies the request as being a coordinated conversion reusing a portion of an existing access service configuration for the provisioning of a new access service.

**NOTE 1:** Two access service requests (one new connect and one disconnect) are required.

**NOTE 2:** The entry allows for specification of both ACNA and CCNA as depicted in the example below.

**NOTE 3:** When this field is populated on an ASR with "N" activity, the ECCKT field must be populated with the circuit identification(s) of the former customer's access service.

**NOTE 4:** When a Coordinated Conversion is applicable, it is strongly recommended that both requests (N and D) are fully cross-referenced using CCVN, PON and RPON fields, which will allow for a more efficient transition of the services.

#### **VALID ENTRIES:**

IAC Code(s)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field is "N" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha characters

**74. CCVN - Coordinated Conversion (continued)**

**EXAMPLES:** A|B|C| | |

**NOTE 1:** The above example indicates that the ACNA and CCNA are the same.

A|B|C|X|Y|Z

**NOTE 1:** The above example indicates that the ACNA and CCNA are different.

**75. ASC-EC - Access Service Coordination - Exchange Company**

Identifies the ICSC code of the Access Service Coordination - Exchange Company (ASC-EC) whenever an access service passes through more than one provider territory.

**NOTE 1:** An entry in this field indicates that a Multi-EC Form must be associated with this access service request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when multiple providers are involved in providing access service and the EVCI field is not equal to "B".

**NOTE 2:** Required when the JPR field is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:**

N	J	9	0
---	---	---	---

**76. TSP - Telecommunications Service Priority**

Indicates the provisioning and restoration priority as defined under the TSP Service Vendor Handbook.

**NOTE 1:** These codes are assigned by the TSP Program Office.

**VALID ENTRIES:**

Nine Character TSP Control Identifier

One Character Provisioning Priority Level (E, 0-5)

One Digit Restoration Priority Level (0-5)

**NOTE 1:** A TSP code ending in "00" indicates "revocation", the removal of a previously assigned TSP code.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters  
(including 1 preprinted hyphen)

**EXAMPLE:** |T|S|P|1|2|3|4|5|C|-|E|1|

**77. SAN - Subscriber Authorization Number**

Identifies a number equivalent to the End User Purchase Order Number.

**NOTE 1:** This may, at the option of the customer, be a requirement when providing service to some governmental agencies.

**NOTE 2:** This field may be used in conjunction with the SBILLNM field.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 30 alpha/numeric characters

**EXAMPLE:** |A|B|1|2|3|4|5|6|7|8| | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |

**78. AFG - Agency of the Federal Government**

Identifies that this service is provided to an agency of the Federal Government.

**VALID ENTRIES:**

Y = Yes

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **79. SPEC - Service and Product Enhancement Code**

Identifies a specific product or service offering.

**NOTE 1:** SPEC may be applicable for circuit level features and options other than those already identified by the Network Channel (NC) and Network Channel Interface (NCI) codes.

**NOTE 2:** Telcordia Technologies, Inc. is the intellectual property owner and administrator of SPEC. The SPEC code structure and use are outlined in Telcordia Technologies special report SR-2491.

### **VALID ENTRIES:**

Positions 1-7 = Any alpha character except "I" or any numeric character except "0".

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the EVCI field is "A", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, and 7 alpha/numeric characters maximum

**EXAMPLE:** |F|R|D|S|3|2|2|

**80. REMARKS -Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 186 alpha/numeric characters

**EXAMPLE:**

D	I	S	C		O	F		F	I	R	S	T		C	I	R	C	U	I
---	---	---	---	--	---	---	--	---	---	---	---	---	--	---	---	---	---	---	---

T		I	N		G	R	O	U	P										
---	--	---	---	--	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--

### **3.2 BILL SECTION**

Bill Section fields are used to specify bill details. Once data in these fields are established, they are optional on subsequent order activity unless a change is applicable to that specified originally. The end user may be designated by the customer for billing purposes by populating the Bill Section of the ASR Form. Upon agreement between the provider and customer, the Bill Section may be populated with only ACNA. The provider will generate the previously agreed upon bill detail. In addition, the end user contact and end user telephone fields should also be populated for such occurrences using the various service specific order request forms.

**81. BILLNM - Billing Name**

Identifies the name of the person, office, or company to whom the customer has designated that the bill be sent.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is “N”.

**NOTE 2:** Required when the CCNA field is “CUS”.

**NOTE 3:** Required when the ACNA field is “ZZZ”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |X|Y|Z| |C|O|R|P|O|R|A|T| I|

|O|N| | | | | | | | | |

**82. SBILLNM - Secondary Billing Name**

Identifies the name of a department or group within the designated BILLNM entry. May also be used to specify the end user customer as identified in field entry "SAN", Subscriber Authorization Number used by the customer in conjunction with billing its customer.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** A|C|C|O|U|N|T|S| R|E|C|E|  
I|V|A|B|L|E| | | | |

**83. ACNA - Access Customer Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the ordered service.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This code is established prior to the submission of the ASR.

**NOTE 3:** Billing to an end user who does not have an IAC code is specified with an entry of "ZZZ". When utilizing "ZZZ", the Bill Section of the ASR Form should be completed with the end user billing information.

**VALID ENTRIES:**

IAC Code

ZZZ = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**84. TE - Tax Exemption**

Indicates that the customer has submitted a tax exemption form to the provider.

**VALID ENTRIES:**

Entry = Exempt From

A	= F & S
B	= F & C
C	= County or Local
D	= F & S & C
E	= F & S & M
F	= Federal
G	= F & S & C & M
H	= S & C
I	= S & M
J	= C & M
K	= F & M
L	= Letter on File
M	= Municipal
N	= Non Exempt
P	= S & C & M
S	= State/Province

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N” and the BAN field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** **|B|**

## **85. FUSF – Federal Universal Service Fee**

Indicates the service being ordered on this request should be either assessed or exempted from the Federal Universal Service Fee (FUSF).

**NOTE 1:** Services that are ordered to provide an information service, used for internal consumption or used for administrative purposes are services that are to be assessed a FUSF.

### **VALID ENTRIES:**

E = Exempt Federal Universal Service Fee  
N = Non-Exempt (Assessed) Federal Universal Service Fee

**NOTE 1:** Exempt indicates the customer is both (a) reselling the Special Access as a telecommunications service and (b) contributing directly into the Federal Universal Service Fund for the service being ordered. For a valid entry of "E" both conditions must be met.

**NOTE 2:** Non-Exempt (Assess) indicates the customer is (a) not reselling the Special Access as a telecommunications service and/or (b) not contributing directly into the Federal Universal Service Fund for the service being ordered.

**NOTE 3:** An entry in this field applies to all the circuits being ordered on this service request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is "N", "C" or "T".

**85. FUSF – Federal Universal Service Fee (continued)**

**NOTE 2:** Optional when the ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**86. EBP - Extended Billing Plan**

Identifies the request for establishing or removing installment billing of non-recurring charges that may be offered by a provider.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

**87. STREET** - Street Address (BILL)

Identifies the street of the billing address associated with the billing name.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is "N", otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** | 1 | 2 | 5 | | E | | M | A | I | N | | S | T |  
| R | E | E | T | | | | | | | | | |

**88. FLOOR - Floor (BILL)**

Identifies the floor for the billing address associated with the billing name.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLES:** 3|3|

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|1|M|Z|

**89. ROOM - Room (BILL)**

Identifies the room for the billing address associated with the billing name.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** 1|K|1|5|1|A

**90. CITY - City (BILL)**

Identifies the city, village, township, etc. of the billing address associated with the billing name.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** L I V I N G S T O N E

**91. STATE - State/Province (BILL)**

Identifies the two character postal code for the state/province of the billing address associated with the billing name.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is "N", otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |N|J|

**92. ZIP CODE – ZIP Code (BILL)**

Identifies the ZIP code or postal code of the billing address associated with the billing name.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** 0|7|0|3|9| | | | | | |

0|8|8|5|4|-|1|2|3|4|5|6|

M|5|4| |1|X|7| | | | | |

**93. BILLCON - Billing Contact**

Identifies the name of the person or office to be contacted on billing matters.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|A|N|E| |T| |D|O|E| | | | |

**94. TEL NO** - Telephone Number (BILL)

Identifies the telephone number of the billing contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 17 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |5|5|5| - |3|4|0|0| - |2|2|2| | | | |

**95. BILLCON EMAIL** - Billing Contact Electronic Mail Address

Identifies the electronic mail address of the Billing Contact when a customer profile does not already exist.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BILLCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

P A N Y . C O M

## **96. VTA - Variable Term Agreement**

Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered by a provider.

**NOTE 1:** When the ASC-EC field is populated, this identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered by ASC-EC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLES:** | 3 | 6 | | | | | | | | | | | | | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|V|T|P|P|P| | | | | | | | | | | | | |

|0|8|2|0|8|9| | | | | | | | | | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|C| 1 |2| 3 |4| 5| | | | | | | | | |

|3|6|1|0|9|1|4|8|9|B|L|K|H|0|0|0|1

**97. VCVTA - Virtual Connection Variable Term Agreement**

Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered by a provider for a virtual connection.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "V" or "X" and the VCVTA field on the VC Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** 3|N|C|O|R| | | | | | | | | | | | | | | | |

**98. IWBAN - Inside Wire Billing Account Number**

Identifies the previously assigned Billing Account Number for charges associated with inside wire.

**VALID ENTRIES:**

Billing Account Number

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field on the service specific form is “A”, “E”, “S”, “T”, “U”, “V”, “W”, “Y”, or “Z”.

**NOTE 2:** Prohibited when the ACT field is “D”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |N|X|Y|Z|1|2|3|4|5|A|C|X|2|1|4|3|

**99. PNUM - Promotion Number**

Identifies the contract tariff option for a pricing promotion plan.

**NOTE 1:** The Promotion Number will be assigned by the provider.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters

**EXAMPLES:** |V|Z|A|H|1|2| | | | | | | | | | | | | | | | |

**100. PSD - Promotion Subscription Date**

Identifies the date the customer requested or contracted the pricing promotion from the provider.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PNUM field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|3|-|0|2|-|1|9|9|9|

|1|9|9|9|-|0|3|-|0|2|

### **3.3 CONTACT SECTION**

#### **101. INIT - Initiator**

Identifies the customer employee who originated this request.

**NOTE 1:** This is the person who should be contacted if there are any questions regarding this request. Any authorizations of charges, changes or waiving the Confirming Design Layout Report (CDLR) are the responsibility of this person.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |J|O|H|N| |S|M| I|T|H| | | | | |

**102. TEL NO - Telephone Number (INIT)**

Identifies the telephone number of the customer employee who initiated this request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|8|1 - 3|5|0|0 - 2|2|6|2|2|6|2|

**103. INIT FAX NO – Initiator Facsimile Number**

Identifies the fax number of the initiator.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|9|0|8| - |3|3|6| - |2|9|8|0|**

**104. INIT EMAIL** - Initiator Electronic Mail Address

Identifies the electronic mail address of the initiator.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** [Z|J|O|N|E|S@|N|O|T|E|S .|B|E|L|L|C|O|M]

## **105. DSGCON - Design/Engineering Contact**

Identifies the employee of the customer or agent who should be contacted on design/engineering/translation issues and to whom the Design Layout Report may be sent.

**NOTE 1:** If DSGCON represents a customer different from the CCNA, the Design Routing Code (DRC) field may be populated for proper DLR distribution.

**NOTE 2:** Types of routing and or translation changes that require coordination are CIC redirects, switch conversions, mutual trunking arrangement, point code changes, traffic rehome/reroutes, call through testing requests, etc.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N”, “C”, “M”, or “T”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |J|O|H|N| |S|M|I|T|H| | | | | | |

**106. TEL NO - Telephone Number (DSGCON)**

Identifies the telephone number of the design/engineering contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the DSGCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|8|1 - 3|5|0|0 - 3|5|8|7| | | |

**107. DSG FAX NO - Design Facsimile Number**

Identifies the fax number of the design contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is “N”, “C” or “T”, the DRC field is not populated, the RTR field is “S” or “1-10” and the STREET (DSGCON) field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **[9|0|8] - [3|3|6] - [2|9|8|0]**

## **108. DSG EMAIL - Design Electronic Mail Address**

Identifies the electronic mail address of the design contact.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**109. STREET** - Street Address (DSGCON)

Identifies the street address for the design/engineering contact.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** | 1 | 2 | 5 | | E | | M | A | I | N | | S | T |

| R | E | E | T | | | | | | | | | | | |

## **110. DRC - Design Routing Code**

Identifies the customer location routing code for the design contact for this request.

**NOTE 1:** The routing code represents the following information:

Company  
Street  
Floor  
Room  
City  
State/Province  
ZIP Code

**NOTE 2:** When populated, this will be the first choice for routing the DLR.

**NOTE 3:** Valid DRC codes are outlined in Telcordia Technologies' practice BR-751-100-465.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is "N", "C" or "T", the RTR field is "S" or "1-10", and the STREET (DSGCON) field is not populated or the DSGCON FAX NO field is not populated.

**NOTE 2:** Prohibited when the first position of the RTR field is "F".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** A|N|3

### **111. FDRC - Facility Design Routing Code**

Identifies the customer location routing code for the design contact for the facility in a combined ASR situation.

**NOTE 1:** The routing code represents the following information:

Company  
Street  
Floor  
Room  
City  
State/Province  
ZIP Code

**NOTE 2:** When populated, this will be the first choice for routing the facility DLR.

**NOTE 3:** The codes are assigned by the provider.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is "N", "C" or "T", the RTR field is "S" or "1-10", and the STREET (DSGCON) field is not populated or the DSGCON FAX NO field is not populated and the FDRC is different from the DRC, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** A|N|3

**112. FLOOR** - Floor (DSGCON)

Identifies the floor of the design/engineering contact's address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the STREET (DSGCON) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLES:**

3	3	
---	---	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

1	M	Z
---	---	---

**113. ROOM** - Room (DSGCON)

Identifies the room of the design/engineering contact's address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the STREET (DSGCON) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** **|K| - |1|5|1|A|**

**114. CITY - City (DSGCON)**

Identifies the city, village, township, etc. of the design/engineering contact's address.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the STREET (DSGCON) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha characters

**EXAMPLE:** |P|I|S|C|A|T|A|W|A|Y| | | |  
| | | | | | | | | | | | | | | | | | | | | |

**115. STATE** - State/Province (DSGCON)

Identifies the two character postal code for the state/province of the design/engineering contact's location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the STREET (DSGCON) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |N|J

**116. ZIP CODE - ZIP Code (DSGCON)**

Identifies the ZIP code or postal code of the design/engineering contact's address.

**USAGE:** This field is conditional.

**NOTE1:** Required when the STREET (DSGCON) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** 0|7|0|3|9| | | | | | |

0|8|8|5|4|-|1|2|3|4|5|6|

M|6|G| |3|Y|7| | | | | |

**117. CB TEL NO - Conference Bridge Telephone Number**

Identifies the Conference Bridge Telephone number to be used at the time of implementation or cut over.

**NOTE 1:** The time allocated for the implementation/cut over activity will be specified in the Frame Due Time (FDT) field on the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field is "A", "R", or "W", otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|8|7|7| - |9|8|1| - |3|5|0|0|**

**118. CBPC - Conference Bridge Passcode Number**

Identifies the passcode associated with the conference bridge telephone number.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CB TEL NO field is populated, otherwise prohibited

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:**

1	2	3	4	5	6	7	8	9	1	2	3	4	5	6
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

*	2	3	4	5	6	7	7	*						
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--

**119. MTCE - Maintenance Contact**

Identifies the customer employee or office responsible for maintenance subsequent to the installation of the access service.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the Implementation Contact and the Maintenance Contact are the same, otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |M|T|C|E| |O|F|F|I|C|E|

**120. TEL NO - Telephone Number (MTCE)**

Identifies the telephone number of the maintenance contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the MTCE field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|6|8 - 7|4|6|3

**121. MTCE EMAIL** - Maintenance Contact Electronic Mail Address

Identifies the electronic mail address of the maintenance contact when defined by customer/provider contracts, tariffs and/or negotiated agreements.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

P|A|N|Y|.C|O|M| | | | | | | | | | | | |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

**122. IMPCON - Implementation Contact**

Identifies the customer employee or office responsible for control of installation and completion.

**NOTE 1:** During installation, the provider will notify this person when the end user requests activity in addition to the activity specified on the ASR.

**NOTE 2:** This is the contact to be used for completions, acceptance testing and other such related installation activity.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field is "N", "C", "M", "D", or "T".

**NOTE 2:** Required when the ACT field is "R" and the TQ field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |J|O|H|N| |S|M|I|T|H| | | | | |

**123. TEL NO - Telephone Number (IMPCON)**

Identifies the telephone number of the implementation contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IMPCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|0|0| - |3|5|8|7|

**124. D/TREC - Date and Time Received**

Identifies the date and time that the provider received the Access Service Request.

**NOTE 1:** This field will be generated automatically by the provider upon receipt of requests from the customer utilizing mechanized order entry.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)
Two Digit Hour (01-12)	Two Digit Hour (01-12)
Two Digit Minute (00-59)	Two Digit Minute (00-59)
AM or PM	AM or PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters (including 3 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|5|-|1|1|1|5|A|M

|1|9|8|5|-|0|3|-|2|2|-|1|1|1|5|A|M

### **3.4 MINIMAL INFORMATION**

Disconnect and record type requests may not require a full complement of ASR fields. Information on these request types should be based on the actual field level usage rules defined within ASOG, the ordering attributes of the service request and the substantiated necessity of the information as defined by tariffs, contracts and negotiations.

### **3.5 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference of the ASR Form fields.

ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACNA	83	Access Customer Name Abbreviation
ACT	22	Activity
ACTI	23	Activity Indicator
ACTL	69	Access Customer Terminal Location
AENG	37	Additional Engineering
AFG	78	Agency of the Federal Government
AFO	32	Additional Forms
AGAUTH	39	Agency Authorization Status
ALBR	38	Additional Labor
APOT	70	Additional Point of Termination
ASC-EC	75	Access Service Coordination - Exchange Company
ASG	63	Access Service Group
ASR NO	4	Access Service Request Number
BAN	62	Billing Account Number
BIC	64	Exchange Company Initiated Charge
BIC ID	66	BIC Identifier
BIC TEL	65	BIC Telephone Number
BILLCON	93	Billing Contact
BILLCON EMAIL	95	Billing Contact Electronic Mail Address
BILLNM	81	Billing Name
BSA	20	Basic Serving Arrangement
CB TEL NO	117	Conference Bridge Telephone Number
CBD	11	Call Before Dispatch
CBPC	118	Conference Bridge Passcode Number
CC	7	Company Code
CCI	15	Coordinated Change Indicator
CCNA	1	Customer Carrier Name Abbreviation
CCVN	74	Coordinated Conversion

## ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
CFNI	51	Customer Fiber Network ID
CITY	90	City (BILL)
CITY	114	City (DSGCON)
CKR	54	Customer Circuit Reference
CNO	16	Case Number
CUST	41	Customer Name
D/TREC	124	Date and Time Received
D/TSENT	9	Date and Time Sent
DATED	40	Date of Agency Authorization
DDD	12	Desired Due Date
DRC	110	Design Routing Code
DSG EMAIL	108	Design Electronic Mail Address
DSG FAX NO	107	Design Facsimile Number
DSGCON	105	Design/Engineering Contact
EBP	86	Extended Billing Plan
EDA	36	Early Date Acceptance
ECCKT	60	Exchange Company Circuit ID
EVCI	27	Ethernet Virtual Connection Indicator
EXP	35	Expedite
FBA	47	Facility Billing Arrangement
FDRC	111	Facility Design Routing Code
FDT	13	Frame Due Time
FLOOR	88	Floor (BILL)
FLOOR	112	Floor (DSGCON)
FNI	48	Fiber Network Identification
FNT	49	Fiber Network Type
FUSF	85	Federal Universal Service Fee
ICSC	6	Interexchange Customer Service Center
IMPCON	122	Implementation Contact
INIT	101	Initiator
INIT EMAIL	104	Initiator Electronic Mail Address
INIT FAX NO	103	Initiator Facsimile Number
ISTN	68	Interconnection Screening Telephone Number
IWBAN	98	Inside Wire Billing Account Number

## ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
JPR	45	Jointly Provided Ring
LA	42	Lease Arrangement
LADATED	43	Date of Lease Arrangement
LAG	73	Link Aggregation Group
LANM	44	Lease Authorization Name
LATA	26	Local Access Transport Area
LTP	59	Local Transport
LUP	19	Intrastate IntraLATA Usage Percentage
MTCE	119	Maintenance Contact
MTCE EMAIL	121	Maintenance Contact Electronic Mail Address
NAG	46	Network Access Groom
NOR	18	Number of Requests
PIU	56	Percentage of Interstate Usage
PLU	57	Percentage Local Usage
PNUM	99	Promotion Number
PON	2	Purchase Order Number
PPTD	17	Project Plant Test Date
PROJECT	14	Project Identification
PSD	100	Promotion Subscription Date
PSL	52	Primary Service Location
PSLI	53	Primary Service Location Indicator
QA	10	Quote Authorized
QNAI	33	Quantity Network Assignment Information
QSA	24	Quantity Service Address Location Information
QTY	61	Quantity
REMARKS	80	Remarks
REQTYP	21	Requisition Type and Status
RFNI	50	Related Fiber Network Identification
ROOM	89	Room (BILL)
ROOM	113	Room (DSGCON)
RORD	71	Related Order Number
RPON	72	Related Purchase Order Number

## ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
RTR	30	Response Type Requested
SAN	77	Subscriber Authorization Number
SBILLNM	82	Secondary Billing Name
SEI	28	Switched Ethernet Indicator
SPA	5	Special Action Indicator
SPEC	79	Service and Product Enhancement Code
SRN	29	Service Reservation Number
STATE	91	State/Province (BILL)
STATE	115	State/Province (DSGCON)
STREET	87	Street Address (BILL)
STREET	109	Street Address (DSGCON)
SUP	31	Supplement Type
TE	84	Tax Exemption
TEL NO	94	Telephone Number (BILL)
TEL NO	106	Telephone Number (DSGCON)
TEL NO	123	Telephone Number (IMPCON)
TEL NO	102	Telephone Number (INIT)
TEL NO	120	Telephone Number (MTCE)
TQ	34	Translation Questionnaire Request
TSC	67	Two Six Code
TSP	76	Telecommunications Service Priority
UNE	8	Unbundled Network Elements
UNIT	55	Unit Identification
VCVTA	97	Virtual Connection Variable Term Agreement
VER	3	Version Identification
VTA	96	Variable Term Agreement
WSI	58	Wireless Site Indicator
WST	25	Wireless Service Type
ZIP CODE (BILL)	92	ZIP Code (BILL)
ZIP CODE	116	ZIP Code (DSGCON)

#### 4. ACCESS SERVICE REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

#### Access Service Request

V50  
03/15

Administrative Section										CCNA	PON	VER	ASR NO	SPA	ICSC
CC	UNE	D/TSENT			QA	CBD	DDD		FDT		PROJECT			CCI	
[7]	[8]	[9]			[10]	[11]	[12]		[13]		[14]			[15]	
CNO		PPTD			NOR	LUP	BSA	REQTYP	ACT ACTI	QSA	WST	LATA	EVCI SEI	SRN	
[16]		[17]			[18] OF	[19]	[20]	[21]	[22] [23]	[24]	[25]	[26]	[27] [28]	[29]	
RTR	SUP	AFO	QNAI	TQ	EXP	EDA	AENG	ALBR	AGAUTH	DATED		CUST			
[30]	[31]	[32]	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]		[41]			
LA	LADATED		LANNM		JPR		NAG								
[42]	[43]		[44]		[45]		[46]								
FBA	EF	DT	MUX	FNI	FNT	RFNI	CFNI				PSL		PSLI		
[47]			[48]		[49]	[50]	[51]				[52]		[53]		
CKR									UNIT	PIU	PLU	WSI			
[54]									[55]	[56]	[57]	[58]			
LTP	ECKKT								QTY						
[59]	[60]								[61]						
BAN			ASG	BIC	BIC TEL		BIC ID	TSC		ISTN					
[62]			[63]	[64]	[65]	-	[66]	[67]		[68]	-	-			
ACTL			APOT	RORD			RPON		LAG						
[69]			[70]	[71]			[72]		[73]						
CCVN	ASC-EC	TSP		SAN					AFG	SPEC					
[74]	[75]	[76]		[77]				[78]	[79]						
REMARKS															
[80]															
Bill Section										BILLNM	SBILLNM	ACNA	TE FUSF		
EBP	STREET		FLOOR	ROOM	CITY				[83]	[84]	[85]				
[86]	[87]		[88]	[89]	[90]										
STATE	ZIP CODE	BILLCON	TEL NO												
[91]	[92]	[93]	[94]	-	-	-	-								
BILLCON EMAIL								VTA							
[95]								[96]							
VCVTA		IWBAN	PNUM		PSD										
[97]		[98]	[99]		[100]										

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. ACCESS SERVICE REQUEST FORM NUMBERED (continued)

(Insert Your Company Logo Here)

#### Access Service Request (continued)

V50  
03/15

<b>Administrative Section</b>	CCNA [1]	PON [2]	VER [3]	ASR NO [4]	SPA [5]	ICSC [6]	
<b>Contact Section</b>	INIT [101]	TEL NO (INIT) [102]-[      ]-[      ]-[      ]	INIT FAX NO [103]-[      ]-[      ]				
INIT EMAIL [104]							
DSGCON [105]	TEL NO (DSGCON) [106]-[      ]-[      ]-[      ]	DSG FAX NO [107]-[      ]-[      ]					
DSG EMAIL [108]							
STREET [109]	DRC [110]	FDRc [111]	FLOOR [112]	ROOM [113]	CITY [114]	STATE [115]	
ZIPCODE [116]	CB TEL NO [117]-[      ]-[      ]	CBPC [118]	MTCE [119]	TEL NO (MTCE) [120]-[      ]-[      ]			
MTCE EMAIL [121]							
IMPCON [122]	TEL NO (IMPCON) [123]-[      ]-[      ]-[      ]	D/TREC [124]					

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. ACCESS SERVICE REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

### Access Service Request

V50  
03/15

<b>Administrative Section</b>			CCNA	PON	VER	ASR NO	SPA	ICSC							
CC	UNE	DTSENT	QA	CBD	DDD	FDT	PROJECT	CCI							
CNO	PPTD		NOR	LUP	BSA	REQTYP	ACT ACTI	QSA WST LATA	EVCI SEI SRN						
OF			OF	LUP	BSA		QSA	WST	LATA						
RTR	SUP	AFO	QNAI	TQ	EXP	EDA	AENG	ALBR	AGAUTH	DATED	CUST				
LA	LADATED		LANM	JPR		NAG									
FBA	EF	DT	MUX	FNI	FNT	RFNI	CFNI	PSL				PSLI			
CKR	UNIT PIU PLU WSI														
LTP	ECCKT		QTY												
BAN	ASG		BIC	BIC TEL	BIC ID		TSC	ISTN		-					
ACTL	APOT		RORD		RPON		LAG								
CCVN	ASC-EC		TSP	SAN		AFG		SPEC							
REMARKS															
<b>Bill Section</b>	BILLNM			SBILLNM			ACNA	TE	FUSF						
EBP	STREET		FLOOR			ROOM	CITY								
STATE	ZIP CODE		BILLCON			TEL NO	-								
BILLCON EMAIL															
VCVTA	IWBN		PNUM			PSD		VTA							

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. ACCESS SERVICE REQUEST FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

### Access Service Request (continued)

V50  
03/15

<b>Administrative Section</b>	CCNA	PON	VER	ASR NO	SPA	ICSC
<b>Contact Section</b>	INIT	TEL NO (INIT)			INIT FAX NO	
INIT EMAIL						
DSGCON	TEL NO (DSGCON)			DSG FAX NO		
DSG EMAIL						
STREET	DRC	FDRC	FLOOR	ROOM	CITY	STATE
ZIPCODE	CB TEL NO	CBPC	MTCE	TEL NO (MTCE)		
MTCE EMAIL						
IMPCON	TEL NO (IMPCON)			D/TREC		

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404002-0050**

**Feature Group A (FG A) Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404002-0050  
Feature Group A (FG A) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

“This form/screen is based upon the Ordering and Billing Forum’s (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>”

For purposes of this limited exception, the term “Customized” means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

FEATURE GROUP A (FGA) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. FGA FORM DESCRIPTION	2-1
3. FEATURE GROUP A FORM ENTRIES	3-1
3.1 SERVICE DETAILS	3-2
3.2 SERVICE OPTIONS	3-30
3.3 LOCATION SECTION	3-55
3.4 ALPHABETIC NUMERIC GLOSSARY	3-64
4. FEATURE GROUP A FORM NUMBERED	4-1
5. FEATURE GROUP A FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Feature Group A (FGA) Form entries. The FGA Form must always be associated with an ASR Form, which contains administrative and bill detail necessary for the provisioning of this request. The field entries within the FGA Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. FGA FORM DESCRIPTION**

2.1 All information required for ordering an FGA Access Line is provided for in the various fields contained within the FGA Form. The Circuit Detail Section provides entries for the specification of ordering options, transmission levels, hunting requirements and General Exchange Tariff options. The Location Section provides entries for describing the termination of the FGA. End user information entries are provided for end user billing of the FGA offering.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. FEATURE GROUP A FORM ENTRIES**

The FGA Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 – 3.3. Section 3.4 contains an alphabetic listing of the FGA fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 SERVICE DETAILS**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

## **2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

### **3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### **4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider's mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|1|1| | | | | | |

## 5. NC - Network Channel Code

Identifies the network-channel code for the circuit(s) involved. The NC code describes the channel provided from the customer's ACTL to the provider's central office switch.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.6.

### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |S|B|G|A|

## 6. NCI - Network Channel Interface Code

Identifies the interface characteristics of the circuit at the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** |0|4|D|X|2|.|.|A|Z| | | |

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**6.**      **NCI - Network Channel Interface Code (continued)**

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after, character position five (5). In this case, delimiter #1 will be in character position six, (6) and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine, (9) accordingly.

[0|4|D|X|2| | | | | | ]

**NOTE 1:** This example indicates no protocols options and transmission levels to be at the default level.

[0|4|D|S|9| . |1|5|K| | | ]

**NOTE 1:** This example indicates protocol options specified and transmission levels to be at the default level.

[0|4|D|S|9| . |1|5|K| . |A|Z]

**NOTE 1:** This example indicates protocol options and transmission levels specified.

[0|4|D|S|8| . |1|5| | . | - |Z]

**NOTE 1:** This example indicates protocol options and one transmission level specified.

## 7. TLV - Transmission Level

Identifies the required transmission level when a non- standard interface is required at the ACTL.

**NOTE 1:** Positions 1-6 are used when an “I” has been entered in position 8 or 11 of the NCI field and represents the transmission level to be received by the customer at the ACTL interface from the provider.

**NOTE 2:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the NCI field and represents the transmission level to be transmitted from the ACTL interface to the provider.

**NOTE 3:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point and a one digit number.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is “N” or “C” and position 8 or 11 of the NCI field is “I”.

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is “D”, “M” or “R” and position 8 or 11 of the NCI field is “I”.

**7. TLV - Transmission Level (continued)**

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is "N" or "C" and position 9 or 12 of the NCI field is "I".

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the NCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R, and 2 decimal points)

**EXAMPLE:** |+|0|7|.|3|T|-|1|5|.|8|R|

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 9 of the NCI field or an "I" has been entered in position 11 or 12 of the NCI field. Either portion of the field (T or R) may be specified and the other left blank.

## **8. D-TEL - Desired Telephone Number**

Identifies the telephone number that is preferred by the customer to be assigned to a FGA arrangement.

**NOTE 1:** If the number is not currently assigned and the provider can, with reasonable effort, comply with the request, the number will be provided.

**NOTE 2:** In the event the provider is unable to assign the desired telephone number, the provider's normal assignment procedure will be used to process the request.

### **VALID ENTRIES:**

NPA-NXX  
NXX-XXXX  
NPA-NXX-XXXX

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLES:**

2	0	1
---	---	---

 - 

9	8	1
---	---	---

 - 

--	--	--	--	--

--	--	--	--

 - 

9	8	1
---	---	---

 - 

3	5	8	2
---	---	---	---

2	0	1
---	---	---

9	8	1
---	---	---

3	5	8	2
---	---	---	---

## **9. PIC - Pre-subscription Indicator**

Identifies a two code set indicator to designate traffic to a particular customer.

**NOTE 1:** The first three or four positions indicate the XXX/XXXX portion of the uniform access code of the form 10XXX/101XXXX of the presubscribed customer. The provider will apply the allocation process if “000”/“0000” is entered.

**NOTE 2:** The last 3 positions indicate the presubscribed customer name abbreviation, which may be different than the customer providing the InterLATA service. The customer must populate this field with the carrier of choice.

**NOTE 3:** These code sets are assigned and provided by the provider, which will provide such information upon request.

**NOTE 4:** When the CAD field entry requests installation of the provider call denial offering that includes InterLATA call denial, the ordering customer must enter “NON” in the first three (3) positions of this field to indicate that the customer is choosing not to pre-subscribe. This will indicate that the provider will not apply the allocation process for assigning a customer.

**USAGE:** This field is conditional.

**NOTE 1:** Required for FGA FX/ONAL service terminating in an equal access dial tone office when the ACT field on the ASR Form is “N”.

**9. PIC - Pre-subscription Indicator (continued)**

**NOTE 2:** Optional when the ACT field on the ASR Form is "C".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters  
(including 1 preprinted hyphen)

**EXAMPLES:** |1|2|3| | - |A|B|C|

**NOTE 1:** This example indicates a valid three-character PIC and would not be zero filled.

|5|2|3|4| - |A|B|C|

## 10. **SECTLV** - Secondary Transmission Level

Identifies the receive transmission level at the provider switch.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number and one character.

**NOTE 2:** Positions 1 through 6 are used to specify the transmission level to be received at the provider switch.

**NOTE 3:** Positions 7 through 12 are never used on this field and are reserved for future use.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R, and 2 decimal points)

**EXAMPLE:** [-|0|4|.|2|T| | | |.| |R|

## **11. FPI - Freeze PIC Indicator**

Identifies the customer's desired freeze option for the PIC and LPIC.

### **VALID ENTRIES:**

A = Freeze Intra  
B = Freeze Both  
E = Freeze Inter  
R = Remove Inter  
S = Remove Intra  
T = Remove Both

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR is "D" or "M", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**12. LPIC - IntraLATA Primary Interexchange Carrier**

Identifies the presubscription indicator code the customer has selected for IntraLATA traffic.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR is "D" or "M", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |6|0|9|8|

### **13. CFA - Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

#### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** On initial facility order, an entry of "NEW" may be used in the facility designation element.

**NOTE 3:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 4:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 5:** When multiple levels of CFA are being provided, the highest level of CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

### **13. CFA - Connecting Facility Assignment (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities when the ACT field on the ASR Form is "N" or "C" and the first position of the LTP field on the ASR Form is "N".

**NOTE 2:** Required when the first position of the LTP field on the ASR Form is “E” or “F” and the ACT field on the ASR Form is “N” or “C”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 1 | / | T | 1 | / | 3 | / | B | S | T | N | M | A | G | T | C | G | 0 |

/ B S T N M A M T K 3 1 | | | | | | | | | |

W W

1|0|1|/|T|1|/|1|-|2|4|/|B|S|T|N|M|A|G|T|

C G 0 / B S T N M A M T K 3 1 | | | | |

□□□

**NOTE 1:** The second example shows the proper format for ranging channel assignments.

**14. CPT - Channel Pair/Timeslot**

Identifies the Synchronous Transport Signal (STS), Virtual Tributary (VT) Group and VT Timeslot of the ring.

**NOTE 1:** Positions 7 through 11 required when utilizing two dedicated rings.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", the FNI field on the ASR Form is populated and the customer has assignment control, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1	1	1	2	1	-					
---	---	---	---	---	---	--	--	--	--	--

1	1	1	2	1	-	1	1	1	2	2
---	---	---	---	---	---	---	---	---	---	---

## **15. CFAU - CFA Use**

Identifies the CFA as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA is a provider carrier system, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**16. HBAN - High Capacity Channel Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customer.

**NOTE 2:** The HBAN entry appearing on this form must be for the provider identified in the ICSC field on the ASR Form.

**NOTE 3:** The HBAN may also be used to identify the account to which the analog circuit will be billed.

**VALID ENTRIES:**

Valid Billing Account Number

E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", the first position of the LTP field on the ASR Form is "D", "E" or "F" and this entry differs from the BAN field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1| - |3|5|8|2|

**17. NC1 - Network Channel Code (T1)**

Identifies the network channel code for the T1 transport involved. The network channel code describes the channel provided by the provider from the customer's ACTL to a provider central office.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.6.

**VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when new T1 facilities are being ordered, the first position of the LTP field on the ASR Form is "D" or "E" and the ACT field on the ASR Form is "N".

**NOTE 2:** Optional when the first position of the LTP field on the ASR Form is "D" or "E" and the ACT field on the ASR Form is "C".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:** |H|C| - |D|

## **18. CKR1 - Customer Circuit Reference (T1)**

Identifies the circuit number or range of circuit numbers used by the customer for the T1 Transport involved.

**NOTE 1:** CKR1 is used by the customer as a cross-reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Optional in a single ASR environment for LTR requirements, otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

## 19. SCFA - Secondary Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.5.

**NOTE 2:** May also identify a Wideband, High Capacity or Optical Network facility, which has been ordered by an end user or another carrier.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** On initial facility order an entry of "NEW" may be used in the facility designator element.

**NOTE 3:** Virgules are used as delimiters to separate all elements of the SCFA.

**NOTE 4:** All element entries of the SCFA are left justified with no trailing spaces.

**NOTE 5:** When multiple levels of CFA are being provided, the highest level CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

**19. SCFA - Secondary Connecting Facility Assignment (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CFA field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | |

| | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|

|C|G|0| / |B|S|T|N|M|A|M|T|K|3|1| | | | | |

| | |

**NOTE 1:** The second example shows the proper format for ranging channel assignments.

## 20. **MUXLOC** - Multiplexing Location

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Connecting Facility Assignment (CFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300): Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.1.

**NOTE 2:** Valid CLLI Codes are maintained by Telcordia Technologies.

**NOTE 3:** MUXLOC is associated with the CFA, which is one level above the service being ordered. Please refer to ASOG Practice 000, Cascading Multiplexing Section for additional details.

**NOTE 4:** If more than one circuit is being ordered, the location defined within the first 8 characters of the MUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every CFA on the request.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CFA field is not populated or when the ACT field on the ASR Form is "D".

**NOTE 2:** Required when utilizing multiplexing services, the CFAU is blank and the ACT field on the ASR Form is "N" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**20. MUXLOC** - Multiplexing Location (continued)

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | |

**21. RECCKT** - Related Exchange Company Circuit Identification

Identifies the provider, related circuit ID of the switched access facility being disconnected.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "D" and the first position of the LTP field on the ASR Form is "D" or "E", otherwise prohibited.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**22. FIMPTEL - Facility Implementation Telephone Number (T1)**

Identifies the telephone number of the implementation contact for the T1 facility.

**NOTE 1:** To be used for completions, acceptance testing and other such related installation activity unless otherwise specified by customer /provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NC1 field is populated and the Facility Implementation Telephone Number is not the same as the TEL NO (IMPCON) field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|0|0| - |3|5|8|7|

### **3.2 SERVICE OPTIONS**

#### **23. SR - Special Routing Code**

Identifies the type of special routing requested.

##### **VALID ENTRIES:**

- A = Avoidance
- B = Avoidance and diversity
- C = Cable only
- D = Diversity
- X = Provider-Engineered/Custom

**NOTE 1:** For Valid Entries “A – D”, the provider will originate a telephone contact with the customer to ascertain the exact routing requirements.

**NOTE 2:** Use of Valid Entry “X” is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “M”, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** C

**24. DRL - Directory Listing Requirement**

Indicates whether the carrier or the end user wishes to negotiate a directory listing.

**NOTE 1:** Negotiations for listings will be placed on provider practices.

**VALID ENTRIES:**

N = No

U = Yes (End User will negotiate)

Y = Yes (Carrier will negotiate)

**NOTE 1:** When the DRL field is "U", the EUCON field must be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C" or "R", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**25. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options in conjunction with the access service.

**NOTE 1:** These categories may be applicable to customers such as Radio Common Carriers, alarm industry, etc., and may include options from General Exchange Tariffs.

**VALID ENTRIES:**

O = Options Required

**NOTE 1:** When the GETO field is populated, specify requirements in the REMARKS field.

**NOTE 2:** When the GETO field is populated, the EUCON field must be populated.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 26. CAD - Call Denial

Identifies a request for installation or removal of the call denial feature(s) on a line or hunt group.

**NOTE 1:** This option allows for the screening of terminating calls and may only be offered in suitably equipped electronic end offices.

**NOTE 2:** Provider access tariffs in their descriptions of limitations and restrictions applicable to this feature vary considerably. Further, some provider tariffs provide for more than one call denial feature and, as such, are labeled using (but not limited to) terms such as:

Call denial on Line or Hunt Group  
Local Exchange Restriction  
LATA Restriction  
Enhanced Call Denial  
Call Restriction  
InterLATA Toll Denial  
Toll Call Denial

### VALID ENTRIES:

#### Option 1

Y = Install  
R = Remove  
S = Same, no change  
N = No requirements

#### Option 2

A = Install  
B = Remove  
C = Same, no change  
N = No requirements

**NOTE 1:** For those providers with only 1 CAD option, use the valid entries listed under Option 1.

**26. CAD - Call Denial (continued)**

**NOTE 2:** For those providers with 2 CAD options:

Option 1 = The least restrictive CAD offering.  
Example: InterLATA call denial.

Option 2 = The Most restrictive CAD offering.  
Example: InterLATA call denial plus 1+  
IntraLATA call denial.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is  
“N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**27. TBE - Toll Billing Exception**

Identifies a request for installation/removal of the Toll billing exception on a line or hunt group.

**VALID ENTRIES:**

A = Install no collect or third number  
B = Install no third number  
C = Install no collect call  
N = No requirement  
R = Remove  
S = Same, no change

**NOTE 1:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C".

**NOTE 2:** Optional when the ACT field on the ASR Form is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**28. SCD - Service Code Denial Requirement**

Identifies a request for installation or removal of the service code denial feature on a line or hunt group.

**VALID ENTRIES:**

R = Remove  
Y = Install

**NOTE 1:** All service codes are denied with the provision of this option (including 0-, 555 and N11 where N11 is any open service code).

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**29. ASU - Answer Supervision**

Identifies the requirement to provide an indication that the called end of a switched telephone connection has gone off hook.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **30. CFW - Call Forwarding**

Identifies the requirement to allow an incoming call to be redirected to another Directory Number.

**NOTE 1:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

#### **VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **31. CWG - Call Waiting**

Identifies the requirement to allow an indication that another incoming call is waiting to be answered, while on an established call.

**NOTE 1:** The ability to temporarily cancel this feature, at the customer's discretion is also available via cancel call waiting.

**NOTE 2:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

#### **VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**32. CND - Calling Directory Number Delivery**

Identifies the requirement to receive the telephone number of the caller, prior to answering the call.

**NOTE 1:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

A = Install via ICLID (Individual Calling Line Identification)  
B = Install via BCLID (Bulk Calling Line Identification)  
R = Remove

**NOTE 1:** An entry of "B" requires an associated DNAL.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**33. HWL - Hot/Warm Line**

Identifies the capability to be automatically connected with another line.

**NOTE 1:** The predetermined number may be identified in the PDN field.

**NOTE 2:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

A = Hot Line (Immediate)  
B = Warm Line (Time Delay)  
R = Remove

**NOTE 1:** Based on provider tariffs/practices, a valid entry of "B" may require the seconds for time delay to be populated in the REMARKS field.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**34. MWI - Message Waiting Indicator**

Identifies the requirement to receive an audible or visual message signal to indicate that messages are waiting.

**NOTE 1:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

A = Audible Indicator

R = Remove

V = Visual Indicator

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**35. HNTYP - Hunting Type Code**

Identifies the type of hunting involved.

**NOTE 1:** These forms of hunting are generic types and are offered by the provider using various or different names for the hunt type categories.

**VALID ENTRIES:**

CO = CR + Overflow  
CP = Circular Hunting with Preferential Hunt  
CR = Circular Hunting with Regular Hunt  
PF = Preferential Hunt  
PO = Preferential Hunt with Overflow  
RG = Regular Hunt  
RO = Regular Hunt with Overflow  
UD = Uniform Call Distribution

**NOTE 1:** A valid entry of “RO”, “PO” or “CO” requires the PDN field to be populated.

**NOTE 2:** A valid entry of “PF”, “PO” or “CP” requires the HPF field to be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N” or “C” and the HPF or QUE field is populated.

**NOTE 2:** Prohibited when the ACT field on the ASR Form is “D”, “M” or “R”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |R|O|

**36. NHNI - Non-Hunt Number Indicator**

Identifies a request for installation or removal of the non-hunt number feature in a hunt group.

**VALID ENTRIES:**

R = Remove  
Y = Install

**NOTE 1:** When the valid entry is "Y", the entire group will be assigned non-hunt telephone numbers.

**NOTE 2:** If other than the entire group should receive non-hunt numbers, use the NHNI field on the ACI (Additional Circuit Information) Form to indicate which lines are to be non-hunt and leave this field blank. (If the first line requires non-hunt indicate the requirement using the REMARKS field).

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**37. QUE - Queuing**

Identifies the requirement to provide queuing on a hunting arrangement.

**NOTE 1:** Use of this field may require EUCON and EUTEL to be populated.

**NOTE 2:** This option may require an associated DNAL.

**VALID ENTRIES:**

A = Queuing with no announcement  
B = Queuing with announcement  
R = Remove

**NOTE 1:** Entries of "A" or "B" are only valid when the HNTYP field is "RG" or "UD".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the HNTYP field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** **|B|**

**38. DID - Direct Inward Dial**

Identifies a request for blocks of DID numbers.

**NOTE 1:** The quantity of numbers contained within a block of DID numbers is based upon provider tariffs.

**VALID ENTRIES:**

1<sup>st</sup> Character

R = Remove  
Y = Install

2<sup>nd</sup> and 3<sup>rd</sup> Characters

01-99 = Valid entry(s) character's definition

**NOTE 1:** When augmenting or removing blocks, the DID numbers may be shown in the REMARKS field.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C" and the BSA field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |Y|0|2|

**39. SPC - Speed Calling**

Identifies the requirement for speed calling.

**NOTE 1:** Speed calling is controlled by the subscriber and allows the customer to establish a connection to certain directory numbers.

**NOTE 2:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**40. TWC - Three Way Calling**

Identifies the requirement to provide a customer who is on an established call with the ability to add another party to perform a three way conference.

**NOTE 1:** The transfer feature allows the initiator to drop their connection without disconnecting the remaining parties.

**NOTE 2:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

A = 3 way calling  
B = 3 way calling with transfer  
R = Remove

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **41. SMDI - Simplified Message Desk Interface**

Identifies the requirement to provide real time/call status information on calls delivered to a multi-line hunt group.

**NOTE 1:** This option required an associated DNAL.

##### **VALID ENTRIES:**

- A = Install SMDI
- B = Install SMDI with activation of audible signal
- C = Install SMDI with activation of visual signal
- D = Install activation of MWI - audible signal
- E = Install activation of MWI - visual signal
- R = Remove

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**42. MBA - Make Busy Arrangement**

Identifies the requirement for a Make Busy Arrangement.

**NOTE 1:** Busy tones may be replaced by central office announcements or forwarded to an alternate location.

**NOTE 2:** This option requires an associated DNAL.

**VALID ENTRIES:**

- A = Install Make Busy Arrangement to tones
- B = Install Make Busy Arrangement to recorded announcements
- C = Install Make Busy Arrangement forwarded to a predetermined alternate location
- R = Remove

**NOTE 1:** A valid entry of "C" requires the PDN field to be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**43. IEX - IntraLATA Extension**

Identifies the ability to bridge a line-side switched access service to an additional location.

**NOTE 1:** The additional location will be identified on the MSL Form.

**NOTE 2:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**VALID ENTRIES:**

Y = Install

R = Remove

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**44. RCF - Remote Call Forwarding**

Identifies the requirement to utilize a directory number to automatically forward calls to another directory number.

**NOTE 1:** When this is a General Exchange Tariff offering, the EUCON and EUTEL fields must be populated.

**NOTE 2:** The directory number that will receive the calls must be identified in the PDN field.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**45. PDN - Predetermined Telephone Number**

Identifies a predetermined telephone number.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N” or “C” and the RCF field is “Y”.

**NOTE 2:** Required when the ACT field on the ASR Form is “N” or “C” and the MBA field is “C”.

**NOTE 3:** Required when the ACT field on the ASR Form is “N” or “C” and the HNTYP field is “RO”, “CO” or “PO”.

**NOTE 4:** Optional when the ACT field on the ASR Form is “N” or “C”, and the HWL field is “A”, or “B”.

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** |2|1|2| - |9|9|7| - |2|2|2|2|

## **46. HPF - Hunting Preferential List**

Identifies the hunting sequence when preferential hunting is involved.

**NOTE 1:** Up to eighteen terminals may be specified in the hunting sequence.

**NOTE 2:** Unspecified terminals will hunt in numeric sequence after the last terminal specified.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HNTYP field is “PF”, “PO” or “CP”, otherwise prohibited.

**DATA CHARACTERISTICS:** 75 alpha/numeric characters

**EXAMPLE:** |T|E|R| |8| , |2| - |4| , |6| | | | | | | | |

### **3.3 LOCATION SECTION**

#### **47. SECLOC - Secondary Location**

Identifies the provider end office providing the FGA switched access services.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300): Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.1.

**NOTE 2:** The following describes the use of the SECLOC field when a FGA service and an extension off the FGA are ordered all within a particular LATA.

1. Four (4) request forms are required:

- ASR Form
- FGA Form
- MSL Form(s) (for ordering the FGA extension)
- SALI Form(s) (for ordering the FGA extension)

2. The FGA Form should contain the following:

SECLOC = Central Office Location (CLLI Code)

D-TEL = Customer option for identification of telephone number and or serving office

NSL = The number of extensions off the FGA main service, which will equal the quantity of associated MSL/forms

**47. SECLOC - Secondary Location (continued)**

GETO = IntraLATA Extension Coded Entry

3. The MSL Form would contain the following:

SECLOC = "E", indicating that the SECLOC termination is an end user location for the FGA extension service off the main service location.

4. The SALI Form (s) would contain the following:

EUNAME = End user name for the FGA extensions that terminate at an end user.

**NOTE 3:** When an extension terminates in a LATA other than the FGA main service LATA, the customer would order the extension using the Special Access order form and placing it with the appropriate provider location. The MSL SECLOC would indicate the customer location from which the circuit is hauled out of the LATA providing the main service.

**VALID ENTRIES:**

11 character CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** M|I|L|N|T|N|M|A|6|8|6

**48. NSL - Number of Secondary Locations**

Identifies the number of end points with circuit activity as shown on the Multipoint Service Legs (MSL) Form for extensions off the FGA main service.

**NOTE 1:** The FGA service is not treated as a secondary location in determination of the NSL requirement. The extensions (with order activity) off the FGA main service are included in the NSL count.

**USAGE:** This field is conditional.

**NOTE 1:** Required when MSL Form(s) is associated with the request, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** **|0|3|**

**49. TNC TO - Transfer of Calls To**

Identifies the telephone number to which calls are to be referred.

**NOTE 1:** If no transfer of calls is desired, then the TNC TO field is to be left blank and the standard disconnect recording will be provided.

**NOTE 2:** The customer may enter "TBA" (To Be Assigned) when the RPON field on the ASR Form is populated.

**NOTE 3:** When "TBA" is entered, the provider will populate this field with the telephone number assigned to the new line.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "N" or "M", otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLES:** **|2|0|1| - |6|9|9| - |1|2|3|4|**

**|T|B|A| - | | | | - | | | | |**

## 50. **TNC PER** - Transfer of Calls Period

Indicates the requested date that the transfer of calls, specified in the TNC TO field, is to be removed and the standard recorded announcement is to be provided.

**NOTE 1:** When the standard period of transfer (provided by the provider) is acceptable, the field is to be left blank.

### **VALID ENTRIES:**

US Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TNC TO field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|8|-|1|0|-|1|9|8|5|

|1|9|8|5|-|0|8|-|1|0|

**51.     **LOCBAN** - Local Billing Account Number**

Identifies the end user's CRIS or other billing account number, which may also be the end user local exchange telephone number.

**NOTE 1:** This field is used by the customer to specify billing to an end user.

**NOTE 2:** When this field is populated, the end user contact address information is not required.

**USAGE:**     This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1|-|3|5|8|7|

**52. EUCON - End User Contact**

Identifies the name of the person to be contacted for additional end-user information (including billing data) for non-tariff or secondary tariff options, or combinations of options to be provided in conjunction with this request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field is populated.

**NOTE 2:** Required when the DRL field is "U".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |T|O|M| |J|O|N|E|S| | | | |

| | | | | | | | | | | | | | | | | | | | | |

**53. EUTEL - End User Telephone Number**

Identifies the telephone number of the end user contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EUCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** **|2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|**

**54. REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data in this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:** |D| I |S|C| |O|F| |F|I|R|S|T| |C|K|T| |I|N|

### **3.4 ALPHABETIC NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference of the FGA Form fields.

FGA FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
ASU	29	Answer Supervision
CAD	26	Call Denial
CCNA	1	Customer Carrier Name Abbreviation
CFA	13	Connecting Facility Assignment
CFAU	15	CFA Use
CFW	30	Call Forwarding
CKR1	18	Customer Circuit Reference (T1)
CND	32	Calling Directory Number Delivery
CPT	14	Channel Pair/Timeslot
CWG	31	Call Waiting
D-TEL	8	Desired Telephone Number
DID	38	Direct Inward Dial
DRL	24	Directory Listing Requirement
EUCON	52	End User Contact
EUTEL	53	End User Telephone Number
FIMPTEL	22	Facility Implementation Telephone Number (T1)
FPI	11	Freeze PIC Indicator
GETO	25	General Exchange Tariff Options Code
HBAN	16	High Capacity Channel Billing Account Number
HNTYP	35	Hunting Type Code
HPF	46	Hunting Preferential List
HWL	33	Hot/Warm Line
IEX	43	IntraLATA Extension
LOCBAN	51	Local Billing Account Number

## FGA FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
LPIC	12	IntraLATA Primary Interexchange Carrier
MBA	42	Make Busy Arrangement
MUXLOC	20	Multiplexing Location
MWI	34	Message Waiting Indicator
NC	5	Network Channel Code
NC1	17	Network Channel Code (T1)
NCI	6	Network Channel Interface Code
NHNI	36	Non-Hunt Number Indicator
NSL	48	Number of Secondary Locations
PDN	45	Predetermined Telephone Number
PIC	9	Pre-subscription Indicator
PON	2	Purchase Order Number
QUE	37	Queuing
RCF	44	Remote Call Forwarding
RECCKT	21	Related Exchange Company Circuit Identification
REMARKS	54	Remarks
SCD	28	Service Code Denial Requirement
SCFA	19	Secondary Connecting Facility Assignment
SECLOC	47	Secondary Location
SECTLV	10	Secondary Transmission Level
SMDI	41	Simplified Message Desk Interface
SPC	39	Speed Calling
SR	23	Special Routing Code
TBE	27	Toll Billing Exception
TLV	7	Transmission Level
TNC PER	50	Transfer of Calls Period
TNC TO	49	Transfer of Calls To
TWC	40	Three Way Calling
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. FEATURE GROUP A FORM NUMBERED

(Insert Your Company Logo Here)

### Feature Group A

V50  
03/15

<b>Administrative</b>		CCNA 1	PON 2	VER 3	ASR NO 4														
<b>Service Details</b>																			
NC 5	NCI 6	TLV 7 . T . R			D-TEL 8	PIC 9													
SECTLV 10	.	T	.	R	FPI 11	LPIC 12													
CFA 13											CPT 14	CFAU 15							
HBAN 16	NC1 17			CKR1 18															
SCFA 19	MUXLOC 20																		
REOCKT 21	FIMPTEL 22																		
<b>Service Options</b>																			
SR 23	DRL 24	GETO 25	CAD 26	TBE 27	SCD 28	ASU 29	CFW 30	CWG 31	CND 32	HWL 33	MWI 34	HNTYP 35	NHNI 36	QUE 37	DID 38				
SPC 39	TWC 40	SMDI 41	MBA 42	IEX 43	RCF 44	45	-												
HPF 46																			
<b>Location Section</b>																			
SECLOC 47	NSL 48	TNC TO 49	TNC PER 50			LOCBAN 51													
EUCON 52	EUTEL 53																		
<b>REMARKS</b>																			
54																			

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. FEATURE GROUP A FORM CAMERA READY

(Insert Your Company Logo Here)

### Feature Group A

V50  
03/15

Administrative Section	CCNA	PON	VER	ASR NO
------------------------	------	-----	-----	--------

#### Service Details

NC	NCI	TLV	D-TEL	PIC
SECTLV	FPI	LPIC		
CFA			CPT	CFAU
HBAN	NC1	CKR1		
SCFA			MUXLOC	
REOCKT			FIMPTEL	

#### Service Options

SR	DRL	GETO	CAD	TBE	SCD	ASU	CFW	CWG	CND	HWL	MWI	HNTYP	NHNI	QUE	DID
SPC	TWC	SMDI	MBA	IEX	RCF	PDN									
HPF															

#### Location Section

SECLOC	NSL	TNC TO	TNC PER	LOCBAN
EUCON		EUTEL		

#### REMARKS


This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404003-0050**

## **WATS Access Line (WAL) Form Preparation Guide**

**Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404003-0050

WATS Access Line (WAL) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions

All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

WATS ACCESS LINE (WAL) FORM  
PREPARATION GUIDE

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. WAL FORM DESCRIPTION	2-1
3. WATS ACCESS LINE (WAL) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-6
3.3 ALPHA/NUMERIC GLOSSARY	3-54
4. WATS ACCESS LINE FORM NUMBERED	4-1
5. WATS ACCESS LINE FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the WATS Access Line (WAL) Form entries. The WAL Form must always be associated with an ASR Form, which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the WAL Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. WAL FORM DESCRIPTION**

2.1 All information required for ordering a WATS Access Line is provided for in the various fields contained within the WAL Form. The Circuit Detail Section provides entries for the specification of ordering options, transmission levels, hunting requirements, General Exchange Tariff options and for registration requirements.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. WATS ACCESS LINE (WAL) FORM ENTRIES**

The WAL Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the WAL Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

### **3.2 CIRCUIT DETAIL SECTION**

#### **5. NC - Network Channel Code**

Identifies the network-channel code for the circuit(s) involved. The NC code describes the channel provided from the end-user premises to the provider dial tone office.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.6.

#### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |S|E|A|N|

**6. TLV - Transmission Level**

Identifies the receive transmission level at the provider switch for 4 wire WAL(s).

**NOTE 1:** Positions 1-6 are used to specify the transmission level to be received at the dial tone office (DTO) when requesting WAL service.

**NOTE 2:** Positions 7-12 are never used for WAL service.

**NOTE 3:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number.

**NOTE 4:** The TLV may be entered on new or change requests when a WAL with a 4 wire loop and a 4 wire interface is being requested.

**NOTE 5:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** | - | 0 | 3 | . | 2 | T | | | | . | | R |

## 7. **DTO - Dial Tone Office**

Identifies the WATS serving office in CLLI Code format.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**7. DTO - Dial Tone Office (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** The provider may provide WATS serving office CLLI Codes and the criteria for selection.

**NOTE 4:** The customer may indicate the WATS dial tone office (DTO) preferred on new and outside move requests.

**NOTE 5:** The provider will make every reasonable effort to honor this preference; however, the provider will make the final determination of the serving office.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |M| I |L| N| T| N|M| A| 6| 3| 6|

**8. SECNCI - Secondary Network Channel Interface Code**

Identifies the interface characteristics of the circuit at the secondary ACTL or end user location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.7.

**VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** 0|2|L|S|3|.|.|P|S| | | |

**8. SECNCI - Secondary Network Channel Interface Code (continued)**

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after, character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine, (9) accordingly.

[0|4|D|S|9|.|1|5|K|.|A|Z]

**NOTE 1:** This example indicates protocol options and transmission levels specified.

**9. SECTLV - Secondary Transmission Level**

Identifies the required transmission level when a non-standard interface is required.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1 through 6 are used when an "I" has been entered in position 8 or 11 of the SECNCI field and represent the transmission level to be received at the end user or secondary ACTL interface from the provider.

**NOTE 3:** Positions 7 through 12 are used when an "I" has been entered in position 9 or 12 of the SECNCI field and represents the transmission level to be transmitted from the secondary ACTL or end user interface to the provider.

**NOTE 4:** Transmissions specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is "N", "C" or "T" and position 8 or 11 of the SECNCI field is "I".

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 8 or 11 of the SECNCI field is "I".

**9. SECTLV - Secondary Transmission Level (continued)**

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is "N", "C" or "T" and position 9 or 12 of the SECNCI field is "I".

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the SECNCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** [-|0|3|.|5|T+|0|3|.|5|R]

**10. PIC - Pre-subscription Indicator**

Identifies a two code set indicator to designate traffic to a particular customer.

**NOTE 1:** The first three or four positions indicate the XXX/XXXX portion of the uniform access code of the Form 10XXX/101XXXX of the pre-subscribed customer. The provider will apply the allocation process if “000”/“0000” is entered.

**NOTE 2:** The last three positions indicate the pre-subscribed customer name abbreviation that may be different than the customer providing the InterLATA service. The customer must populate this field with the customer of choice.

**NOTE 3:** These code sets are assigned and provided by the provider, which will provide such information upon request.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters (including 1 preprinted hyphen)

**EXAMPLES:** |1|2|3| | - |A|B|C|

**NOTE 1:** This example indicates a valid three-character PIC and would not be zero filled.

|5|2|3|4| - |A|B|C|

**11. NSL - Number of Secondary Locations**

Identifies the number of end points with circuit activity as shown on the Multipoint Service Legs (MSL) Form for extensions off the WAL main service.

**NOTE 1:** The WAL service is not treated as a secondary location in determination of the NSL requirement. The extensions (with order activity) off the WAL main service are included in the NSL count.

**USAGE:** This field is conditional.

**NOTE 1:** Required when MSL Form(s) is associated with the request, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|3

## 12. S25 - Surcharge Status

Identifies whether surcharge is applicable (non-exempt) or non-applicable (exempt) for the number of circuits ordered between two customer locations.

**NOTE 1:** The S25C field appears on the Multipoint Service Leg (MSL) Form for certifying on a per leg basis for a multipoint circuit. Providers may require an accompanying certificate with the Access Service Request.

**NOTE 2:** When a mix (exempt and non-exempt) is ordered, the specific exemptions are stated using the ACI or MSL Forms.

### **VALID ENTRIES:**

A = The customer certifies that the access service is terminated in a device not capable of interconnecting the service with local exchange service. Or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

**NOTE 1:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option by the provider. (Whether or not a blanket exception is to be used will determine applicability of surcharge).

**NOTE 2:** A numeric quantity used in con-junction with the "A" or "B" entry indicates that the customer certifies that, this number of channels is exempt from the surcharge.

**12. S25 - Surcharge Status (continued)**

**NOTE 3:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

C = Surcharge is applicable to all circuits.

**NOTE 1:** If the surcharge does not apply to all the circuits ordered, the quantity exempt must be shown preceded by the "A" or "B" entry.

NA = Not Applicable

**NOTE 1:** "NA" is valid only where intrastate tariffs do not have surcharges.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

A	1	3	0				
---	---	---	---	--	--	--	--

**NOTE 1:** This example illustrates the valid entry of "A" followed by the quantity of circuits that are exempt.

B	1	2	0	0	0	0	0
---	---	---	---	---	---	---	---

**NOTE 1:** This example illustrates the valid entry of "B" followed by the quantity of circuits that are exempt.

C							
---	--	--	--	--	--	--	--

### **13. ER - S25 Exemption Reason**

Tells the provider why a circuit is exempt from the special access surcharge.

#### **VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a telephone company switch of an FX line, including CCSA and CCSA-equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of telephone company common lines, such as, terminations, which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA-type equipment (inter-machine trunks).

**13. ER - S25 Exemption Reason (continued)**

**VALID ENTRIES: (continued)**

- 6 = The customer certifies that the special access services is a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting to special access service to a local exchange subscriber line.
- 7 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of inter-connecting the special access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25 field is “A” or “B”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 4

**14. SR - Special Routing Code**

Identifies the type of special routing requested.

**VALID ENTRIES:**

- A = Avoidance
- B = Avoidance and diversity
- C = Cable only
- D = Diversity
- X = Provider-Engineered/Custom

**NOTE 1:** For Valid Entries “A – D”, the provider will originate a telephone contact with the customer to ascertain the exact routing requirements.

**NOTE 2:** Use of Valid Entry “X” is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “M”, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**15. DRL - Directory Listing Requirement**

Indicates whether the customer or the end user wishes to negotiate a directory listing.

**NOTE 1:** Negotiations for listings will be based on provider practices.

**VALID ENTRIES:**

N = No

U = Yes (End User will negotiate)

Y = Yes (Customer will negotiate)

**NOTE 1:** When the DRL field is "U", the GCON field must be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C", "T" or "R", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **16. TLA - Test Line Access**

Identifies the requirements for the provision or removal of the capability to access a local test line in the wire center, which terminates the WAL.

**NOTE 1:** This feature is available at a limited number of wire center locations. Contact the provider for specific information concerning the availability and details of this option.

### **VALID ENTRIES:**

R = Remove  
Y = Install

**NOTE 1:** When the valid entry is "Y", the entire group (if applicable) will be provided this capability.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**17. BAND - Band Identification**

Identifies the band for originating end office customer-line service screening.

**NOTE 1:** Originating references both the one-way originating and the originating portion of the provider two-way service.

**NOTE 2:** If a change of BAND is requested, the field should be populated with the new BAND number.

**USAGE:** This field is conditional.

**NOTE 1:** Required for originating service when the ACT field on the ASR Form is "N".

**NOTE 2:** Optional for originating service when the ACT field on the ASR Form is "C".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:** 5

**18. HNTYP - Hunting Type Code**

Identifies the type of hunting involved.

**NOTE 1:** These forms of hunting are generic types and are offered by the provider using various or different names for the hunt type categories.

**VALID ENTRIES:**

CP = Circular hunting with preferential hunt

CR = Circular hunting with regular hunt

PF = Preferential hunt

RG = Regular hunt

UD = Uniform call distribution

**NOTE 1:** A valid entry of "PF" or "CP" requires the HPF field to be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |U|D|

## **19. BLOCK - Blocking Options**

Identifies the arrangements that the customer wishes to order from the provider for OutWATS or the originating side of two-way WATS.

### **VALID ENTRIES:**

- A = Block 10XXX or 101XXXX/Allow 950 & 9YY
- B = Block 950/Allow 10XXX or 101XXXX & 9YY
- C = Block 10XXX or 101XXXX, 950 & 9YY
- D = Allow 10XXX or 101XXXX, 950 & 9YY
- E = Block 9YY/Allow 10XXX or 101XXXX & 950
- F = Block 10XXX or 101XXXX & 9YY/Allow 950
- G = Block 950 & 9YY/Allow 10XXX or 101XXXX
- H = Block 10XXX or 101XXXX & 950/Allow 9YY

**USAGE:** This field is conditional.

**NOTE 1:** Optional for originating service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**20. NHNI - Non-Hunt Number Indicator**

Identifies a request for installation or removal of the non-hunt number feature in a hunt group.

**VALID ENTRIES:**

R = Remove  
Y = Install

**NOTE 1:** When the valid entry is "Y", the entire group will be assigned non-hunt telephone numbers.

**NOTE 2:** If other than the entire group should receive non-hunt numbers, use the NHNI field on the ACI (Additional Circuit Information) Form to indicate which lines are to be non-hunt and leave this field blank. (If the first line requires non-hunt indicate the requirement using the REMARKS field).

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **21. HPF - Hunting Preferential List**

Identifies the hunting sequence when preferential hunting is involved.

**NOTE 1:** Up to eighteen terminals may be specified in the hunting sequence.

**NOTE 2:** Unspecified terminals will hunt in numeric sequence after the last terminal specified.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HNTYP field is “PF” or “CP”, otherwise prohibited.

**DATA CHARACTERISTICS:** 75 alpha/numeric characters

**EXAMPLE:** |T|E|R| |8| , |2|-|4| , |6| | | | | | | | | | |

**22. CFAU - CFA Use**

Identifies the CFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA is a provider carrier system, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **23. CFA - Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.5.

#### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High-Capacity or Optical Network facilities when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**23. CFA - Connecting Facility Assignment (continued)**

**EXAMPLES:** | 1 | 0 | 1 | / | T | 1 | / | 3 | / | B | S | T | N | M | A | G | T | C | G | 0 |

| / | B | S | T | N | M | A | M | T | C | G | 0 | | | | | | | | | |

| | | |

| 1 | 0 | 1 | / | T | 1 | / | 1 | - | 2 | 4 | / | B | S | T | N | M | A | G | T |

| C | G | 0 | / | B | S | T | N | M | A | M | T | C | G | 0 | | | | | |

| | | |

**NOTE 1:** The second example shows the proper format for ranging channel assignments.

**24. BAAD - Band Advance**

Identifies the advance from and to bands when a band-advance arrangement is involved.

**NOTE 1:** This information is entered with the first character indicating the Band and the following 3 or 4 characters indicating the Simulated Facility Group (SFG) codes. Each set of information is separated by a comma, (i.e., 2104, 3105 or 32047, 41034).

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** 3|1|0|6|,|4|1|0|7|,|5|1|0|8| | | | | |

## 25. **SECLOC** - Secondary Location

Identifies the terminating end of a circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** SECLOC on the WAL request Form is always populated with an "E".

**NOTE 2:** If a CLLI code has been assigned for the end user premises, the CLLI code may be entered in the SPOT field on the SALI Form. CENTREX is considered an end user premises for ordering purposes.

**NOTE 3:** The following describes the use of the SECLOC field when a WAL is ordered with an extension:

1. Four (4) request forms are required:

- ASR Form
- WAL Form
- MSL Form(s) (for ordering the extension)
- SALI Form(s)

2. The WAL Form would contain the following:

DTO = CLLI code of the WAL serving central office.  
(may be entered by the customer or provider)

NSL = The number of extensions off the WAL main service, which will equal the quantity of associated MSL forms.

**25. SECLOC - Secondary Location (continued)**

SECLOC = "E" indicating that the SECLOC termination is an end user location for the WAL main service location.

3. The MSL Form(s) would contain the following:

SECLOC = "E" indicating that the SECLOC termination is an end user location for the WAL extension service.

4. The SALI Form(s) would contain the following:

EUNAME = End user name for the WAL main service location and any extensions that terminate at an end user.

**NOTE 4:** When an extension terminates in a LATA other than the WAL main service LATA, the MSL SECLOC would indicate the customer location from which the circuit is hauled out of the LATA providing the main service.

**VALID ENTRIES:**

<u>PREFIX</u>	<u>DESCRIPTION</u>
E	= Used if SECLOC is an end user's premises indicated on the SALI Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "T" or "M", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |E|

**26. OTC - Other Exchange Company (Terminating)**

Identifies the provider responsible for delivery of the SECLOC termination in a multi provider service arrangement.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**VALID ENTRIES:**

**COMMON LANGUAGE EC Code** - A four alpha character code structure for providers in North America maintained by Telcordia Technologies.

**COMMON LANGUAGE EC Code** - A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**Company Code** - A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**26. OTC - Other Exchange Company (Terminating) (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASC-EC field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

**27. TNC TO - Transfer of Calls To**

Identifies the telephone number to which calls are to be referred.

**NOTE 1:** If no transfer of calls is desired, then the TNC TO field is to be left blank and the standard disconnect recording will be provided.

**NOTE 2:** The customer may enter "TBA" (To Be Assigned) when the RPON field on the ASR Form is populated.

**NOTE 3:** When "TBA" is entered, the provider will populate this field with the telephone number assigned to the new line.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "N", "M" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLES:** |8|0|0| - |5|4|1| - |3|4|5|6|

|T|B|A| - | | | | - | | | | | |

**28. TNC PER - Transfer of Calls Period**

Indicates the requested date that the transfer of calls, specified in the TNC TO field, is to be removed and the standard recorded announcement is to be provided.

**NOTE 1:** When the standard period of transfer (provided by the provider), is acceptable, the field is to be left blank.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TNC TO field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|8|-|0|2|-|1|9|8|5|

|1|9|8|5|-|0|8|-|0|2|

**29. LOCBAN - Local Billing Account Number**

Identifies the end user's CRIS or other billing account number, which may also be the end user local exchange telephone number.

**NOTE 1:** This field is used by the customer to specify billing to an end user.

**NOTE 2:** When this field is populated, the end user contact address information is not required.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |5|5|5|-|1|2|1|2|

**30. MAN - Miscellaneous Account Number**

Identifies the end user billing account number for the billing of usage on the WATS Access Line.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** 2|1|4| M|3|4|5|6|7|8|9|

### **31. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) in conjunction with the access service.

#### **VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent
- B = Speed Calling
- C = Call Forwarding
- E = Provide inside wiring and bill the end user agent
- G = B and C
- L = Remote Call Forwarding
- M = Control facility required in conjunction with transfer arrangements or similar such configurations in conjunction with a multi-line hunt group
- N = Terminate in location other than normal (extend the point of termination using house cable, etc.) at the end user premises
- O = Other
- R = Referral for inside wiring (Provider will negotiate with the end user)
- S = Provide inside wire repair plan and bill the customer
- T = Provide inside wire repair plan and bill the end user
- U = Provide inside wiring and repair plan and bill the customer
- V = Provide inside wiring and repair plan and bill the end user
- W = Provide inside wiring and bill the customer
- Y = Provide inside wiring and bill end user directly
- Z = Provide inside wiring and repair plan and bill the end user agent

**31. GETO - General Exchange Tariff Options Code (continued)**

**NOTE 1:** Inside wiring may be offered in provider Intra-state tariffs or in an unregulated environment.

**NOTE 2:** When the GETO field is "N", the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is "O", specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than "N", "S", "U" or "W", the GCON field must be populated.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**32. GBTN - General Exchange Tariff Options Billing Telephone Number**

Identifies the billing telephone number for charges associated with options listed in the GETO field excluding inside wire.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO field is “A”, “E”, “S”, “T”, “U”, “V”, “W”, “Y”, “Z” or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|8|8 - 7|3|0|0

**33. GCON - General Exchange Tariff Options Contact Name**

Identifies the name of the person to be contacted for additional end user information regarding GETO or DRL options.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field is "A", "B", "C", "E", "G", "L", "M", "O", "R", "T", "V", "Y" or "Z" and the entry in this field is different than the BILLCON field on the ASR Form.

**NOTE 2:** Required when the DRL field is “U”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |T|O|M| |J|O|N|E|S| | | | |

**34. GTEL - General Exchange Tariff Options Contact Telephone Number**

Identifies the telephone number of the person named in the GCON field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|3|2| - |1|0|1|2|

**35. STREET - Street Address (EUCON)**

Identifies the street address of the end user contact for end user billing.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** | 1 | 3 | 2 | | E | . | M | A | I | N | | S | T |

| R | E | E | T | | | | | | | | | | | |

**36. FLOOR - Floor (EUCON)**

Identifies the floor of the end user contact's address.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:**

**37. ROOM** - Room (EUCON)

Identifies the room of the end user contact's address.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

1	K	1	5	1	A
---	---	---	---	---	---

**38. CITY - City (EUCON)**

Identifies the city, village, township, etc., of the end user contact's address for end user billing.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha characters

**EXAMPLE:** |P|I|S|C|A|T|A|W|A|Y| | | | |

| | | | | | | | | | | | | | | | | | | | | |

**39. STATE - State/Province (EUCON)**

Identifies the two character postal code for the state/province of the end user contact's address for end user billing.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** NJ

**40. ZIP CODE - ZIP Code**

Identifies the ZIP code or postal code of the end user contact's address for end user billing.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** 0|8|8|5|4| | | | | | |

0|8|8|5|4|-|1|2|3|4|5|6|

M|5|A| |3|Y|7| | | | | | |

**41. CTX TEL - CENTREX Telephone Number**

Identifies the main (listed) telephone number of the CENTREX Switch.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the access service requested terminates in a CENTREX, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|2|1|2| - |5|5|5| - |1|0|0|0|**

**42. CTX LSTD NM - CENTREX Listed Name**

Identifies the listed name of the CENTREX customer whose listed number appears in the CTX TEL field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CTX TEL field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |S|I|M|C|O|E| |P|A|P|E|R|M|  
|I|L|L| |I|N|C| | | | | |

**43. REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### **3.3 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the WAL Form fields.

#### WAL FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
BAAD	24	Band Advance
BAND	17	Band Identification
BLOCK	19	Blocking Options
CCNA	1	Customer Carrier Name Abbreviation
CFA	23	Connecting Facility Assignment
CFAU	22	CFA Use
CITY	38	City (EUCON)
CTX LSTD NM	42	CENTREX Listed Name
CTX TEL	41	CENTREX Telephone Number
DRL	15	Directory Listing Requirement
DTO	7	Dial Tone Office
ER	13	S25 Exemption Reason
FLOOR	36	Floor (EUCON)
GBTN	32	General Exchange Tariff Options Billing Telephone Number
GCON	33	General Exchange Tariff Options Contact Name
GETO	31	General Exchange Tariff Options Code
GTEL	34	General Exchange Tariff Options Contact Telephone Number
HNTYP	18	Hunting Type Code
HPF	21	Hunting Preferential List
LOCBAN	29	Local Billing Account Number
MAN	30	Miscellaneous Account Number
NC	5	Network Channel Code
NHNI	20	Non-Hunt Number Indicator
NSL	11	Number of Secondary Locations
OTC	26	Other Exchange Company (Terminating)

WAL FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
PIC	10	Pre-subscription Indicator
PON	2	Purchase Order Number
REMARKS	43	Remarks
ROOM	37	Room (EUCON)
S25	12	Surcharge Status
SECLOC	25	Secondary Location
SECNCI	8	Secondary Network Channel Interface Code
SECTLV	9	Secondary Transmission Level
SR	14	Special Routing Code
STATE	39	State/Province (EUCON)
STREET	35	Street Address (EUCON)
TLA	16	Test Line Access
TLV	6	Transmission Level
TNC PER	28	Transfer of Calls Period
TNC TO	27	Transfer of Calls To
VER	3	Version Identification
ZIP CODE	40	ZIP Code

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. WATS ACCESS LINE FORM NUMBERED

(Insert Your Company Logo Here)

### WATS Access Lines

V50  
03/15

<b>Administrative Section</b>		CCNA 1	PON 2	VER 3	ASR NO 4										
<b>Circuit Details</b>															
NC 5	TLV 6	.	T 7	DTO 8	SECNCI 9	SECTLV 10	PIC 11	NSL 12							
S25 13	ER 14	SR 15	DRL 16	TLA 17	BAND 18	HNTYP 19	BLOCK 20								
HPF															
CFAU OFA															
BAAD 24				SECLOC 25	OTC 26										
TNC TO 27	TNC PER 28			LOCBAN 29	MAN 30										
GETO 31	GBTN 32	GCON 33			GTEL 34										
STREET 35	FLOOR 36			ROOM 37	CITY 38										
STATE 39	ZIP CODE 40														
CTX TEL 41	CTX LSTD NM 42														

#### REMARKS

43													

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. WATS ACCESS LINE FORM CAMERA READY

(Insert Your Company Logo Here)

### WATS Access Lines

V50  
03/15

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO																	
<b>Circuit Details</b>																						
NC	TLV	DTO			SECNCI	SECTLV			PIC		NSL											
S25	ER	SR	DRL	TLA	BAND	HNTYP	BLOCK	NHNI														
HPF																						
CFAU	CFA																					
BAAD					SECLOC	OTC																
TNC TO	TNC PER				LOCBAN	MAN																
GETO	GBTN	GCN				GTEL																
STREET					FLOOR	ROOM	CITY															
STATE	ZIP CODE																					
CTX TEL	CTX LSTD NM																					

### REMARKS


This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404004-0050**

**Trunking Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404004-0050  
Trunking Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

TRUNKING FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. TRUNKING DESCRIPTION	2-1
3. TRUNKING FORM ENTRIES	3-1
3.1 SERVICE DETAILS	3-2
3.2 ALPHA NUMERIC GLOSSARY	3-91
4. TRUNKING FORM NUMBERED	4-1
5. TRUNKING FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Trunking Form entries. The Trunking Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the Trunking Form are to be provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE ® licensees to use the COMMON LANGUAGE code identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/contracts/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on provider/customer negotiations; therefore, use of either the field or valid entries within the field is based on provider/customer negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. TRUNKING DESCRIPTION**

2.1 All information required for ordering Trunks or Common Channel Signaling (CCS) Links is provided for in the various fields contained within the Trunking Form. The Circuit Detail Section provides entries for the specifications of ordering options, transmission levels, special routing, and service class routing. The Location Section provides entries for secondary location and serving area for tandem, end offices or signaling point.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. TRUNKING FORM ENTRIES**

The Trunking Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Section 3.1. Section 3.2 contains an alphabetic listing of the fields cross referenced to the field numbers in the numbered form.

### **3.1 SERVICE DETAILS**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This code is established prior to the submission of the ASR.

**NOTE 3:** For the casual customer who does not have an IAC code, this field should reflect an entry of “CUS”. The customer name should be entered in the CUST field on the ASR.

**NOTE 4:** The IAC designated in the CCNA field is the provider’s contact for management of the access ordering/negotiation process for the life of the order. When using “CUS”, management of this process may be determined on an individual provider basis.

**NOTE 5:** The CCNA is not intended to indicate the customer being billed for the access service. This is reflected in the ACNA field on the ASR.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**1. CCNA - Customer Carrier Name Abbreviation (continued)**

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	9	0	1						
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--

## 5. NC - Network Channel Code

Identifies the network channel code for the circuit(s) involved. The NC code describes the channel provided by the provider from the customer's ACTL/Primary Location to the provider central office switch.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.6.

### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |S|H| - |D|

## 6. NCI - Network Channel Interface Code

Identifies the interface characteristics on the circuit at the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.7.

**NOTE 2:** Positions 11 and 12 must be blank or populated with a dash (-) when the PSLI field on the ASR Form is populated with an “A”.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N” or “C”, otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/ numeric characters maximum

**6. NCI - Network Channel Interface Code (continued)**

**EXAMPLES:** |0|4|D|X|2|.|.|A|Z| | | |

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

|0|4|D|X|2| | | | | | |

**NOTE 1:** This example indicates no protocol options and transmission levels to be at the default level.

|0|4|D|S|9|.|1|5| | | | |

**NOTE 1:** This example indicates protocol options specified and transmission levels to be at the default level.

|0|4|D|S|9|.|1|5|K|.|A|Z|

**NOTE 1:** This example indicates protocol options and transmission levels specified.

|0|4|D|S|8|.|1|5|Z|.|.-|Z|

**NOTE 1:** This example indicates protocol options and one transmission level specified.

|0|4|C|X|9|.|1|S| |.|.-|-|

**NOTE 1:** This example indicates protocol options specified and transmission levels to be at the default level.

## 7. **TLV - Transmission Level**

Identifies the required transmission level when a non-standard interface is required at the ACTL.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an "I" has been entered in position 8 or 11 of the NCI field and represents the transmission level to be received at the ACTL interface from the provider.

**NOTE 3:** Positions 7-12 are used when an "I" has been entered in position 9 or 12 of the NCI field and represents the transmission level to be transmitted from the ACTL interface to the provider.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 required when the ACT field on the ASR Form is "N" or "C" and position 8 or 11 of the NCI field is "I".

**NOTE 2:** Positions 1-6 optional when the ACT field on the ASR Form is "D", "M" or "R" and position 8 or 11 of the NCI field is "I".

**7. TLV - Transmission Level (continued)**

**NOTE 3:** Positions 7-12 required when the ACT field on the ASR Form is "N" or "C" and position 9 or 12 of the NCI field is "I".

**NOTE 4:** Positions 7-12 optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the NCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including pre-printed T, R and 2 decimal points)

**EXAMPLE:** |+|0|7|.|3|T|-|1|5|.|8|R|

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 9 of the NCI field or an "I" has been entered in position 11 or 12 of the NCI field. Either portion of the field (T or R) may be specified and the other left blank.

## 8. **TTT - Transport Trunk Termination Code**

Identifies the physical trunk termination to support a specific type of traffic.

### **VALID ENTRIES:**

Code = Trunk Type

- 1 = Standard Trunk for Originating
- 2 = Standard Trunk for Terminating
- 3 = Standard Trunk for Two Way
- 4 = Operator Trunk Coin only
- 5 = Operator Trunk Non-Coin only
- 6 = Operator Trunk Combined Coin and Non-Coin only
- 7 = Operator Trunk Full Feature
- 8 = Tandem Signaling Trunk for Originating
- 9 = Standard Trunk for Land to Mobile
- A = Standard Trunk for Mobile to Land

**NOTE 1:** Valid entry of “8” can only be used when ordering or making changes to an end office direct trunk group.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited for FGB services when the NC code specifies rotary dial station signaling transport termination.

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is “M”, the ACTI field on the ASR Form is “C”.

**NOTE 3:** Optional when the first position of the REQTYP field on the ASR Form is “M”, the ACT field on the ASR Form is “C”.

**8. TTT - Transport Trunk Termination Code (continued)**

**NOTE 4:** Optional when the first position of the REQTYP field on the ASR Form is "M", the ACT field on the ASR Form is "N" and the ACTI field is "B".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:**   5

**9. QACI - Quantity Additional Circuit Information**

Identifies the total number of ACI circuit detail sections sent by the customer when ordering Switched Services utilizing High Capacity facilities.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "M" and the first position of the AFO field on the ASR Form is "Y", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**   0  |  6

## 10. **TRFTYP** - Traffic Type

Identifies the type of capacity requested.

### **VALID ENTRIES:**

AL = Transiting and Local IntraLATA Toll (LT and TS)  
AM = Transiting and Local IntraLATA Toll/Inter-tandem  
AT = IntraLATA Toll  
AX = Audio Text (976) Information  
CH = Choke  
C0 = Coin Zero Plus  
C1 = Coin One Plus  
DA = Directory Assistance  
DC = Directory Assistance Call Completion Service  
DD = Domestic Dialing Traffic  
E9 = E911/911  
ID = International Traffic  
IO = ISDN Originating  
IR = Intercept Service  
IT = ISDN Terminating  
LA = Local Transiting and Local IntraLATA Toll  
LI = Local/IntraLATA Toll/InterLATA Toll  
LL = Local  
LS = Local Transiting  
LT = Local/IntraLATA Toll  
NA = National Operator Assistance  
ND = National Directory Assistance  
OP = Operator Assistance  
OT = Originating Traffic  
PN = Portable Numbering (DID-type for Interim Number Portability)  
PO = PSDS Originating  
PT = PSDS Terminating  
RI = Route Index (For Interim Number Portability)  
TM = Transiting/Inter-tandem  
TR = Telecomm Relay  
TS = Transiting  
TT = Terminating Traffic  
VR = Busy Line Verify/Interrupt

**10. TRFTYP - Traffic Type (continued)**

**VALID ENTRIES CONTINUED:**

- 50 = 5YY Traffic - Personal Communications Services (PCS) Service Access Code (SAC)
- 80 = 8YY Traffic - Toll Free Service Access Code (SAC)
- 90 = 9YY Traffic - Calling Party Pays Service Access Code (SAC)

**NOTE 1:** “OP”, “ID”, “DA”, “DD,” “50”, “80”, “90”, “PO”, “C0”, “C1” and “IO” are all types of originating traffic. If the quantity ordered is unique for only one type of originating traffic, the customer will utilize one of these codes. However, if the quantity ordered is a mixture of different originating traffic types, the customer will use “OT”.

**NOTE 2:** Service Class Routing (SCRT) on this Form must be specified for “OP”, “ID”, “DD”, “50”, “80”, “90”, “C0”, “C1” or “IO” traffic when ordered as other separate groups in conjunction with the associated OT group.

**NOTE 3:** When ordering both originating and terminating on the same groups, indicate by populating all the characters of the field. For just one type the first two characters will be populated specifying the type of capacity requested. See NOTE 5 for exception to this rule.

**NOTE 4:** Traffic types “IO” and “IT” provide service in conjunction with CCS service.

**NOTE 5:** “LT”, “E9”, “VR”, “IR”, “DC”, “PN”, “AX”, “TR”, “LL”, “AT”, “TS”, “CH”, “AL”, “AM”, “LA”, “LS”, “TM”, “ND”, “NA” and “LI” can be originating, terminating or two-way based on local practices.

**10. TRFTYP - Traffic Type (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "M", the ACT field on the ASR Form is "N" and the ACTI field on the ASR Form is "C".

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "M", the ACT field on the ASR Form is "N" and the ACTI field on the ASR Form is "B".

**NOTE 3:** Optional when the first position of the REQTYP field on the ASR Form is "M" and the ACT field on the ASR Form is "C".

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters  
(excluding 1 preprinted hyphen)

**EXAMPLES:** Two-way |O|T| - |T|T|

Two-way |P|O| - |P|T|

One-way |O|T| - | | |

Two-way |L|T| - | | |

## 11. **SECTLV** - Secondary Transmission Level

Identifies the required transmission level when a non-standard interface is required.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number and one character.

**NOTE 2:** Positions 1 through 6 are used to specify the transmission level to be received at the provider switch.

**NOTE 3:** Positions 7 through 12 are never used on this field and are reserved for future use.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C" and the PSL field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** [-|0|3|.|5|T|\_|\_|\_|.|\_|R|]

## 12. CIC - Carrier Identification Code

Identifies the uniform access code.

**NOTE 1:** This Carrier Identification Code is associated with the trunking request.

**NOTE 2:** When multiple CICs are utilized using the ACIC fields on the TQ Form, the CIC in this field is for terminating billing.

### **VALID ENTRIES:**

<u>TYPE</u>	<u>ENTRY</u>
950-XXXX	= XXXX
10XXX	= XXX
101XXXX	= XXXX

**NOTE 1:** When this field is populated and the CIC field on the TQ Form is populated, those entries must be the same.

**NOTE 2:** Valid entries are based on the Carrier Identification Code (CIC) Assignment Guidelines as maintained by the Industry Numbering Committee (INC).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited on requests for FGC and CCS Links.

**NOTE 2:** Prohibited when the WST field on the ASR Form is populated.

**NOTE 3:** Required for FGB and FGD requests when the ACTI field on the ASR Form is "C".

**NOTE 4:** Otherwise optional.

**12. CIC - Carrier Identification Code - (continued)**

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:** 5|0|0|2|

|9|0|8|\_|

**NOTE 1:** This example indicates a valid three-character CIC and would not be zero filled.

### 13. TRN - Trunk Number

Identifies a specific customer trunk number or trunk number range.

**NOTE 1:** Trunk number component in the message format is a variable length, one to four character numeric code and trunk numbers of fewer than 4 characters are left justified with remaining spaces not filled. Leading zeros are not to be used as part of the trunk number. However the trunk number zero is allowed.

#### **VALID ENTRIES:**

0-9999

**NOTE 1:** A four numeric entry or range of four numeric entries.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "M" and the TCIC field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1				-	2	4		
---	--	--	--	---	---	---	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

2	5	2	4	-	2	5	2	5
---	---	---	---	---	---	---	---	---

#### **14. TCIC - Trunk Circuit Identification Code**

Identifies a specific trunk for which CCS is being performed.

##### **VALID ENTRIES:**

A five numeric entry or range of five numeric entries. If the entry ends in 97, 98, 99 or 00, the NS field on the Trunking Form must be populated.

**NOTE 1:** The TCIC numeric characters are right justified with leading zeros. The ten thousand-digit should always be zero.

**NOTE 2:** Some switch types require provider/customer negotiation in assigning TCIC codes.

**USAGE:** This field is conditional.

**NOTE 1:** Required on all requests for CCS trunks, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:** [0|2|3|4|5|-| | | | |]

[0|2|3|4|5|-|0|2|3|4|7]

**15. NS - No Skip**

Identifies the customer's requirement to include TCIC numbers ending in 97, 98, 99 or 00 for this request.

**VALID ENTRIES:**

Y = Include TCIC entries ending in 97, 98, 99 or 00.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the TCIC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 16. PSAP - Public Safety Answering Point

Identifies the Public Safety Answering Point to be used in the event of an ANI failure.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### VALID ENTRIES:

PREFIX	FOLLOWED BY	DESCRIPTION
E	Location	Name of the county, township, borough or emergency response agency, which will receive all E911 traffic in an ANI failure.
C	CLLI Code	CLLI Code assigned to the PSAP, which will receive all E911 traffic in an ANI failure.

**NOTE 1:** Valid CLLI Codes maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is "L".

**NOTE 2:** Required when the ACT field on the ASR Form is "N", the TRFTYP is "E9" and the ACTI field on the ASR Form is "B" or "C".

**NOTE 3:** Otherwise optional.

**16. PSAP - Public Safety Answering Point (continued)**

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLES:** |E|H|O|W|A|R|D| | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |

|C|H|W|R|D|M|D|O|B|K|D|I| |

| | | | | | | | | | | | | | | | | | | | | |

## 17. ESN - Emergency Service Number

Identifies the default Emergency Service Number that determines the PSAP to which the call will be routed should an ANI failure occur.

**NOTE 1:** The default ESN is provided to the requestor by the local 911 jurisdiction that has agreed to handle their traffic.

**NOTE 2:** The default ESN may be provided to the customer by the 911 System Service provider in advance of the submission of the Access Service Request.

### **VALID ENTRIES:**

Valid Default ESN Numbers

**NOTE 1:** Default ESN numbers should be zero filled when entered on the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the PSAP field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:** |0|0|0|0|1|

**NOTE 1:** This example indicates a valid 3 character ESN and it should be zero filled.

|0|1|0|1|2|

**NOTE 1:** This example indicates a valid 4 character ESN and it should be zero filled.

## 18. **WACD1** – Work Authorization Circuit Detail 1

Identifies the first circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the service being ordered is cross-connected to an existing service of equal value and the CC field on the ASR form is populated and the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L” or “M”.

**NOTE 2:** Required when the service being ordered is cross-connected to an existing service of equal value and the WST field on the ASR form is populated and the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L” or “M”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** |1|0|0|1| / |T|3| / |B|S|T|N|M|A|G|T|O|G

|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | |

|5|2| / |H|F|G|S| / |1|2|3|4|5|6| / | | |X|X|

| | | | | | | | | | | | | | | | | | | | | | | | |

## 19. **RECKT** - Related Exchange Company Circuit Identification

Identifies the provider related circuit ID to which traffic is to be routed or the facility being disconnected.

**NOTE 1:** When alternate routing is ordered, then this field, the second RECKT field and the REMARKS field are populated to specify the ID of the related circuits.

**NOTE 2:** The first RECKT field corresponds to the first SCRT entry.

**NOTE 3:** Use the REMARKS field for specifying more than two such circuit groups.

**NOTE 4:** When adding capacity to an existing group(s) or ordering a change in the trunking arrangement, this field should be populated.

**NOTE 5:** This field would not be populated when the circuit IDs have not been assigned for the alternate group.

**NOTE 6:** When the facility associated with trunks is also being disconnected, this field should be populated with the facility identification.

- The format of the field is defined by the provider.
- All components within the ID should be delimited by either virgules or periods.
- The format and structure for this field is specified by COMMON LANGUAGE BR documents and briefly summarized in ATIS-0404000, Section 2.14.
- When a component of Circuit ID information is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**19. RECKT - Related Exchange Company Circuit Identification**  
(continued)

- If all positions in a component of circuit ID information are not populated, the component should be compressed to eliminate any spaces.
- Ranges should be shown within the appropriate component of the ID by specifying the lowest value of the component, hyphen, and highest value of the component, e.g., trunk numbers 3500 through 3512 would be shown as 3500-3512.
- If the customer wishes to disconnect all circuits in a given account, they enter the billing account number in the BAN field and “ALL” in this field and a “D” in the ACT field.
- Use of ranging is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when disconnecting facilities and the ACT field on the ASR Form is “D”.

**NOTE 2:** Optional when the ACT field on the ASR Form is “N” or “C” and alternate routing is ordered or the SCRT field is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**19. RECCKT - Related Exchange Company Circuit Identification**  
(continued)

**EXAMPLES:** |W|0|1|1|2| / |T|6|7|8|9|0| / |M|I|L|W|W| I|A|

|U|W|0|1| / |M|I|L|W|W| I|1|3|C|G|0| | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

|1|2|3|4| / |A|F|5|4|I|E|C|N| / |M|D|S|N|W|I|

|1|6|C|G|0| / |M|-| / |M|D|S|N|W|I|0|2|0|1|T|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**NOTE 1:** These examples indicate a single facility.

|W|0|2|2|1| , |W|0|2|2|5| , |W|0|2|2|7| / |T|6|

|7|8|9|0| / |M|I|L|W|W| I|A|U|W|0|1| / |M|I|L|

|W|W|I|1|3|C|G|0| | | | | | | | | | | | | | | | | | | |

|1|0|1| , |1|0|5| , |1|0|7| , |1|0|9| / |T|6|7|8|

|9|0| / |N|W|R|K|N|J|A|U|W|0|1| / |N|W|R|K|N|

|J|1|5|D|S|0| | | | | | | | | | | | | | | | | | | |

**NOTE 1:** These examples indicate multiple facilities-series entry.

**19. RECCKT - Related Exchange Company Circuit Identification  
(continued)**

W	0	1	0	1	-	W	0	1	2	7	/	T	6	7	8	9	0	/	M
I	L	W	W	I	A	U	W	0	1	/	M	I	L	W	W	I	1	3	C
G	0																		

**NOTE 1:** This example indicates multiple facilities-range entry.

## 20. **PRI ADM** - Primary Add Drop Multiplexer

Identifies a provider central office add drop multiplexer location used as a service access point when the ACTL/primary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is “N” or “C”, and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [B|R|H|M|A|L|M|T|W|0|1]

[B|R|H|M|A|L|M|T| | | ]

## **21. SEC ADM - Secondary Add Drop Multiplexer**

Identifies a provider central office add drop multiplexer location used as a service access point when the secondary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is “N” or “C”, and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |B|R|H|M|A|L|M|T|W|X|X|

|B|R|H|M|A|L|M|T|\_|\_|\_|

## 22. SCRT - Service Class Routing

Identifies the service prefix indicator and/or service access code based on how the customer wants its originating traffic directed.

**NOTE 1:** When the SCRT option is not ordered, all originating traffic types will be routed to the ACTL as part of the OT group.

### **VALID ENTRIES:**

#### Service Prefixes

0- =  
0+ = Prescribed 0+ and/or 10XXX/101XXXX + 0+ calls  
00- = Prescribed 00 and/or 10XXX/101XXXX + 0 calls  
00+ = See 0+  
1+ = Prescribed 1+ and/or 10XXX/101XXXX + 1+ calls  
01+ = Prescribed 01 and/or 10XXX/101XXXX + 01 calls  
011+= Prescribed 011 and/or 10XXX/101XXXX + 011 calls  
010 =  
5YY = Personal Communications Services (PCS) Service Access Code (SAC)  
8YY = Toll Free Service Access Code (SAC)  
9YY = Calling Party Pays Service Access Cod (SAC)

#### Service Classes

B = Coin  
C = Hotel/Motel  
D = Inmate  
E = Dormitory  
F = Multiparty (4 or more parties on a single line)  
G = Hospital  
H = WATS  
J = AIOD

## **22. SCRT - Service Class Routing (continued)**

**NOTE 1:** Any combination of service prefixes and service classes may be ordered.

**NOTE 2:** If a service class is ordered in conjunction with a service prefix, the customer will receive all originating traffic from both categories.

**NOTE 3:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGC requests when the ACT field on the ASR Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** | 8 | Y | Y | | 0 | - | | | | | | | | | | | | | | | | | |

**23. D.NPA/NXX - Desired NPA and NXX**

Identifies the serving area of the tandem office or end office for the trunking service being provided.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "M" and the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:** |2|0|1|9|8|1|

## **24. CFA - Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 4:** When multiple levels of CFA are being provided, the highest level of CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

**NOTE 5:** HBAN should be provided along with CFA when available.

**NOTE 6:** On initial facility order, an entry of "NEW" may be used in the facility designation element.

**24. CFA – Connecting Facility Assignment (Continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities when the ACT field on the ASR Form is “N” or “C” and the first position of the LTP field on the ASR Form is “N”.

**NOTE 2:** Required when the first position of the LTP field on the ASR Form is “C”, “E”, “F”, “L”, “Q” or “R” and the ACT field on the ASR Form is “N” or “C”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | |

| | | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|

|C|G|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | |

| | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **25. CFAU - CFA Use**

Identifies the CFA as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA is a provider carrier system, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**26. CPT - Channel Pair/Timeslot**

Identifies the Synchronous Transport Signal (STS), Virtual Tributary (VT) Group and VT Timeslot of the ring.

**NOTE 1:** Positions 7 through 11 required when utilizing two dedicated rings.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C" and the FNT field on the ASR Form is "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1	1	1	2	1
---	---	---	---	---

 - 

--	--	--	--	--	--

1	1	1	2	1
---	---	---	---	---

 - 

1	1	1	2	2
---	---	---	---	---

## 27. **MUXLOC** - Multiplexing Location

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Connecting Facility Assignment (CFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

**NOTE 2:** MUXLOC is associated with the CFA, which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 3:** If more than one circuit is being ordered, the location defined within the first 8 characters of the MUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every CFA on the request.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CFA field is not populated or when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when utilizing multiplexing services, the CFAU is blank and the ACT field on the ASR Form is “C”.

**27. MUXLOC** - Multiplexing Location (continued)

**NOTE 3:** Required when the ACT field on the ASR Form is "N", the request is utilizing multiplexing services and the CFA field facility designation element is not "NEW".

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | | |

## 28. CSL - Customer Switch Location

Identifies the CLLI Code of the customer's switch.

**NOTE 1:** Identifies the customer's Telcordia™ LERG™ Routing Guide based ACTUAL SW ID for Local Interconnection or Wireless Trunks.

**NOTE 2:** Identifies the customer's switch CLLI Code to support SS7 trunk ordering, e.g., IXC.

**NOTE 3:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### **VALID ENTRIES:**

Valid CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TCIC field is populated and the ACT field on the ASR Form is "N".

**NOTE 2:** Prohibited when the ACT field on the ASR Form is "D", "M" or "R".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |C|H|C|G|I|L|W|R|D|S|0|

**29. CST - Customer Switch Type**

Identifies the customer's switch type.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CSL field is populated otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |D|M|S|2|5|0| | | | | | |

### **30. CSPC - Customer Signaling Point Code**

Identifies the electronic address of the customer's signaling point (SP) or signaling transfer point (STP) in a CCS network.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "L".

**NOTE 2:** Required for CCS trunk requests.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 2 preprinted hyphens)

**EXAMPLE:** |2|4|9|-|2|5|5|-|1|0|1|

### **31. SECLOC - Secondary Location**

Identifies the provider's first point of switching for trunks or signaling point for CCS Links being provided.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

**NOTE 2:** When the PSLI field on the ASR Form is populated with an "A", the PSL field on the ASR Form identifies the provider's first point of switching for trunks being provided and the SECLOC field identifies the provider's second point of switching for the trunks being provided.

#### **VALID ENTRIES:**

End Office CLLI Code  
Tandem CLLI Code  
Signaling Point CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** M|I|L|N|T|N|M|A|6|8|6|

### **32. SMUXLOC – Secondary Multiplexing Location**

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Secondary Connecting Facility Assignment (SCFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

**NOTE 2:** SMUXLOC is associated with the SCFA, which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 3:** If more than one circuit is being ordered, the location defined within the first 8 characters of the SMUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every SCFA on the request.

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SCFA field is not populated or when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when utilizing multiplexing services and the ACT field on the ASR Form is “C”.

**32. SMUXLOC – Secondary Multiplexing Location (continued)**

**NOTE 3:** Required when the ACT field on the ASR Form is “N”, the request is utilizing multiplexing services and the SCFA field facility designation element is not “NEW”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | | |

### **33. SCFA - Secondary Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

#### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the SCFA.

**NOTE 3:** All element entries of the SCFA are left justified with no trailing spaces.

**NOTE 4:** When multiple levels of CFA are being provided, the highest level CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

**33. SCFA - Secondary Connecting Facility Assignment (continued)**

**NOTE 5:** When the UNE field on the ASR Form is populated, use of the SCFA field may be restricted to those companies that offer re-bundling.

**NOTE 6:** On initial facility order, an entry of "NEW" may be used in the facility designation element.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CFA field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|  
| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | |  
| | | |

1	0	1	/	T	1	/	1	-	2	4	/	B	S	T	N	M	A	G	T	
C	G	0	/	B	S	T	N	M	A	M	T	K	3	1						

**NOTE 1:** The second example shows the proper format for ranging channel assignments.

**34. HBAN - High Capacity Channel Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel or unbundled element are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customer.

**NOTE 2:** The HBAN entry appearing on this Form must be for the provider identified in the ICSC field on the ASR Form.

**NOTE 3:** The HBAN may also be used to identify the account to which the analog circuit will be billed.

**VALID ENTRIES:**

Valid Billing Account Number

E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", the UNE field is not populated, the first position of the LTP field on the ASR Form is "B", "D", "E", "F", "L", "M", "P", "Q" or "R" and this entry differs from the BAN field on the ASR Form.

**34. HBAN - High Capacity Channel Billing Account Number**  
(continued)

**NOTE 2:** Required when the ACT field on the ASR Form is “N”, the UNE field is populated, the first position of the LTP field on the ASR Form is “B”, “D”, “E”, “F”, “L”, “M”, “N”, “P”, “Q” or “R” and this entry differs from the BAN field on the ASR Form.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1|-|3|5|8|2|

### **35. SFNI - Secondary Fiber Network Identification**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

#### **VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring within a fiber network when the SCFA field is populated and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:** |N|1|2|3|4|5| | | | | | | |

|W|1|2|3|4|5| | | | | | |

### **36. CCEA - Cross Connect Equipment Assignment**

Identifies the physical point of termination at a collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

### **37. CKR1 - Customer Circuit Reference (T1)**

Identifies the circuit number or range of circuit numbers used by the customer for the T1 Transport involved.

**NOTE 1:** CKR1 is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L”, “M”, “P” or “Q” and the ACT field on the ASR Form is “N”, “C” or “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

### **38. FACTL - Facility Access Customer Terminal Location**

Identifies the CLLI Code of the customer facility terminal location for the DS1 facility being ordered.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**NOTE 2:** If the customer does not have a CLLI Code for a particular ACTL, one can be obtained from Telcordia at [commonlanguage.com](http://commonlanguage.com).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NC1 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** M|I|L|N|T|N|M|A|W|0|1

### **39. NC1 - Network Channel Code (T1)**

Identifies the network channel code for the T1 transport involved. The network channel code describes the channel provided by the provider from the customer's ACTL to a provider end office or access tandem.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.6.

#### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the UNE field on the ASR form is not populated, the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L”, “M”, “P” or “Q” and the ACT field on the ASR Form is “N”.

**NOTE 2:** Required when the UNE field on the ASR form is populated, the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L”, “M”, “N”, “P” or “Q” and the ACT field on the ASR Form is “N”.

**39. NC1 - Network Channel Code (T1) (continued)**

**NOTE 3:** Optional when the UNE field on the ASR form is populated, the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L”, “M”, “N”, “P” or “Q” and the ACT field on the ASR Form is “C”.

**NOTE 4:** Optional when the UNE field on the ASR form is not populated, the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L”, “M”, “P” or “Q” and the ACT field on the ASR Form is “C”.

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** HC - D

**40. PQPR - Quantity of Port References (PRILOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the FACTL.

**VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FACTL field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|3

**41. FIMPTEL - Facility Implementation Telephone Number (T1)**

Identifies the telephone number of the implementation contact for the T1 facility.

**NOTE 1:** To be used for completions, acceptance testing and other such related installation activity unless otherwise specified by customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NC1 field is populated and the Facility (T1) Implementation telephone number is not the same as the TEL NO (IMPCON) field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|0|0| - |3|5|8|7|

## **42. SR - Special Routing Code**

Identifies the type of special routing requested.

### **VALID ENTRIES:**

- A = Avoidance
- B = Avoidance and diversity
- C = Cable only
- D = Diversity
- X = Provider-Engineered/Custom

**NOTE 1:** Use of Valid Entry "X" is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "M", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** C

### **43. MBA - Make Busy Arrangement**

Identifies the requirement for a Make Busy Arrangement.

**NOTE 1:** This option requires an associated control facility or DNAL.

**NOTE 2:** When other than a total group is to be so arranged, specify requirements using REMARKS or negotiate locally with the provider.

#### **VALID ENTRIES:**

A = Install

B = Install with recorded announcements

R = Remove

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGB requests when the ACT field on the ASR Form is "N" or "C".

**NOTE 2:** Optional for FGD requests when the ACT field on the ASR Form is "N" or "C" and the BSA field on the ASR Form is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

#### **44. OPS - Operator Services**

Identifies the operator assisted services that may be offered by some providers.

##### **VALID ENTRIES:**

- A = O- Transfer (without operator functionality)
- B = O- Transfer (with operator functionality)
- C = Inward assistance (operator to operator)
- D = Busy Line Verification/Call Interrupt
- E = A & C
- F = B & C
- G = A & D
- H = B & D
- J = Toll & operator assist local (not directory assistance)

**NOTE 1:** A change of operator assisted services would be ordered by placing the new choice in this field.

**NOTE 2:** A valid entry of "J" requires the end user to dial "0".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C" and operator services are being ordered, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **45. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options in conjunction with the access service.

##### **VALID ENTRIES:**

D = Bill Number Screening  
O = Other

**NOTE 1:** When the GETO field is "O", specify requirements in the REMARKS field.

**NOTE 2:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGB requests when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**46. CDND - Called Directory Number Delivery**

Identifies the requirement to deliver the number dialed when number translations have occurred.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C" and the BSA field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **47. DIDQ - DID Trunk Queuing**

Identifies the requirement to permit calls directed to an all trunk busy DID group to be held for delivery when a DID trunk becomes idle.

##### **VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C” and the BSA field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**48. STR - Single Tandem Routing**

Identifies a request for connection at a single tandem for terminating calls to a single provider's tandems and subtending offices in multiple tandem LATAs.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the provider has multiple tandems within the LATA, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**49. REL TSC - Related Two-Six Code**

Identifies the FGC trunk group to which overflow end office traffic will be routed or the CCS Link Set associated with a CCS trunk group.

**VALID ENTRIES:**

Valid TSC  
N = New

**NOTE 1:** The valid entry “N” is only applicable to FGC and the RPON field must be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Required when FGC overflow is requested.

**NOTE 2:** Required for new CCS trunk groups when the ACTI field on the ASR form is “C”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** [A|0|1|2|3|4|5|6]

## **50. FGD-950 - FGD With 950 Access**

Identifies a request to route 950 originating traffic over FGD trunk groups.

**NOTE 1:** This option is only available in equal access end offices. If ordering this option on a tandem trunk group, the customer must specify which subtending end offices will route the 950 traffic to the tandem trunk group.

**NOTE 2:** The 950 number to be routed to FGD trunks should be entered in the 950-XXXX field on the TQ Form.

### **VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGD requests when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **51. CHOK - Choke Network**

Indicates the number of trunks within a trunk group to be designated for 9YY traffic.

### **VALID ENTRIES:**

R = Remove

1-999 = Quantity of Trunks to be provided with this option

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGC and FGD requests when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |0|1|0|

**52. CGAP - Call Gapping Interval**

Indicates the period of time, in seconds, between calls to 9YY service.

**VALID ENTRIES:**

R = Remove  
1-999 = Gapping Interval

**NOTE 1:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGD requests when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:**   1  2  0

**53. PCACT - Point Code Activity Type**

Identifies the link set translations required for point codes in the Service Signaling Point Code (SSPC) field.

**VALID ENTRIES:**

- A = Add point code use
- D = Delete point code use
- N = Establish point code
- R = Remove point code

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "L" and the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **54. LT - Link Type**

Identifies a particular CCS link's functionality.

##### **VALID ENTRIES:**

- A = Access Link
- B = Bridge Link
- D = Diagonal Link
- E = Extension Link
- F = Fully Associated Link

**NOTE 1:** For further definition of valid entries, see ANSI Standards.

**NOTE 2:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "L", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**55. SLC - Signaling Link Code**

Identifies the signaling link within the CCS link set.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "L", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|2

## 56. APC - Alias Point Code

Identifies the logical network address of a Signaling Transfer Point (STP).

**NOTE 1:** The format and structure of this nine character code set is based on the Telcordia TRNWT000246 and consists of the following elements:

- The first three characters are the network ID (e.g., 240=GTE)
- The second three characters are the network cluster (e.g., 252=STP pair)
- The last three characters are the number (e.g., 101=individual node or switch)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PCACT field is populated and the ACT field on ASR Form is "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 2 preprinted hyphens)

**EXAMPLE:** |2|4|0|-|2|5|2|-|1|0|1|

**57. TSC2 - Two Six Code 2**

Identifies a code assigned to a group of signaling link(s) of a common channel signaling link set.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PACT field is populated, the ACT field on the ASR Form is "C" and the TSC field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** A|C|1|2|3|4|5|6

**58. TSC3 – Two Six Code 3**

Identifies a code assigned to a group of signaling link(s) of a common channel signaling link set.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the TSC2 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|C|1|2|3|4|5|7|

**59. TSC4 – Two Six Code 4**

Identifies a code assigned to a group of signaling link(s) of a common channel signaling link set.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the TSC3 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|C|1|2|3|4|5|8|

**60. SSPC - Service Signaling Point Code**

Identifies the signaling point code affected by the point code activity (PCACT).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the PCACT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 2 preprinted hyphens)

**EXAMPLE:** |2|4|4|-|2|2|2|-|1|2|3|

**61. SSPC TYPE - Type of Signaling Point Code**

Identifies the type of signaling point related to the service signaling point code.

**VALID ENTRIES:**

C = SCP  
S = SSP  
T = STP

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SSPC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |S|

## 62. PCU - Point Code Use

Identifies the type of traffic to be routed to the point codes in the Service Signaling Point Code (SSPC) field.

### VALID ENTRIES:

- 1 = 800 Data base
- 2 = Call Set Up Inter Network
- 3 = Line Information Database (LIDB)
- 4 = Integrated Services Digital Network (ISDN)
- 5 = Custom Calling Options (CCO)
- 6 = Advanced Intelligent Network (AIN) / Personal Communication Services (PCS)
- 7 = Calling Name Delivery (CNAM)
- 8 = Wireless Transaction Capabilities Application Part (TCAP)
- 9 = Call Set Up Intra Network
- 10 = Other
- A = Calling Party Pays
- B = Number Portability
- C = Custom Local Area Signaling Services (CLASS)
- D = InterSwitch Voice Messaging (ISVM)
- E = Get Data
- F = Originating Line Number Screening (OLNS)
- G = Wireless Calling Name (WCNAM)

**NOTE 1:** When the field is populated with "10", the requirements should be specified in the REMARKS field.

**NOTE 2:** Use of valid entries is based on the provider's tariffs/contracts/practices.

**NOTE 3:** When the first position of the TQ field on the ASR Form is "E", then the PCU entry can only be "1", "3", "5", "7", "B", "C" or "D".

**62. PCU - Point Code Use (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SSPC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:**

1	2	3	4	
---	---	---	---	--

**NOTE 1:** This example illustrates four valid entries each separated by a space.

**63. PC TYP - Point Code Type**

Identifies the usage of the network address (point code) in the common channel signaling network.

**VALID ENTRIES:**

G = Gateway Signaling Transfer Point  
I = Intermediate GTT Signaling Transfer Point  
S = Signaling Point (e.g., operator services switch)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PCACT field is populated and the ACT field on ASR Form is "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**64. SSN - Sub System Number**

Identifies a specific software application in a common channel signaling node.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PACT field is populated and the ACT field on ASR Form is "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** 2|5|4

**65. TTN - Translation Type Number**

Identifies the STP table used to perform global title translations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PCACT field is populated and the ACT field on ASR Form is "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLES:**

8		
---	--	--

3	8	2
---	---	---

## **66. SSPC LOC - Service Signaling Point Code Location**

Identifies the CLLI Code associated with the Service Signaling Point Code (SSPC).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PCACT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** A|T|L|N|G|A|M|A|2|7|W

**67. PCNA - Point Code Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer of the SSPC.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**NOTE 2:** This code is established prior to the submission of the ASR.

**VALID ENTRIES:**

IAC Code

**NOTE 1:** Valid IAC codes are outlined within Telcordia Technologies practice BR 751-100-112.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PCACT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**68. TSPC – Transient Signaling Point Code**

Identifies the point code to which transient signaling is being requested.

**NOTE 1:** The point code entered in this field identifies an additional location/point code, (other than the CSPC) to which signaling for the point code identified SSPC field is to be opened.

**NOTE 2:** An entry in this field is applicable when the provider has an established signaling network in place to accommodate the request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when transient signaling is requested and the PCACT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 2 preprinted hyphens)

**EXAMPLE:** **|2|4|4|-|2|2|2|-|1|2|3|**

## **69. TSPC LOC - Transient Signaling Point Code Location**

Identifies the CLLI Code associated with the Transient Service Signaling Point Code (TSPC).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TSPC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** A|T|L|N|G|A|M|A|2|7|W

**70.     REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### 3.2 ALPHA NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the Trunking Form fields.

#### TRUNKING REQUEST

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
APC	56	Alias Point Code
ASR NO	4	Access Service Request Number
CCEA	36	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
CDND	46	Called Directory Number Delivery
CFA	24	Connecting Facility Assignment
CFAU	25	CFA Use
CGAP	52	Call Gapping Interval
CHOK	51	Choke Network
CIC	12	Carrier Identification Code
CKR1	37	Customer Circuit Reference (T1)
CPT	26	Channel Pair/Timeslot
CSL	28	Customer Switch Location
CSPC	30	Customer Signaling Point Code
CST	29	Customer Switch Type
D.NPA/NXX	23	Desired NPA and NXX
DIDQ	47	DID Trunk Queuing
ESN	17	Emergency Service Number
FACTL	38	Facility Access Customer Terminal Location
FGD-950	50	FGD With 950 Access
FIMPTEL	41	Facility Implementation Telephone Number (T1)
GETO	45	General Exchange Tariff Options Code
HBAN	34	High Capacity Channel Billing Account Number
LT	54	Link Type
MBA	43	Make Busy Arrangement
MUXLOC	27	Multiplexing Location

## TRUNKING REQUEST

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
NC	5	Network Channel Code
NC1	39	Network Channel Code (T1)
NCI	6	Network Channel Interface Code
NS	15	No Skip
OPS	44	Operator Services
PC TYP	63	Point Code Type
PCACT	53	Point Code Activity Type
PCNA	67	Point Code Name Abbreviation
PCU	62	Point Code Use
PON	2	Purchase Order Number
PQPR	40	Quantity of Port References (PRILOC)
PRI ADM	20	Primary Add Drop Multiplexer
PSAP	16	Public Safety Answering Point
QACI	9	Quantity Additional Circuit Information
RECCKT	19	Related Exchange Company Circuit Identification
REL TSC	49	Related Two Six Code
REMARKS	70	Remarks
SCFA	33	Secondary Connecting Facility Assignment
SCRT	22	Service Class Routing
SEC ADM	21	Secondary Add Drop Multiplexer
SECLOC	31	Secondary Location
SECTLV	11	Secondary Transmission Level
SFNI	35	Secondary Fiber Network Identification
SLC	55	Signaling Link Code
SMUXLOC	32	Secondary Multiplexing Location
SR	42	Special Routing Code
SSN	64	Sub System Number
SSPC	60	Service Signaling Point Code
SSPC LOC	66	Service Signaling Point Code Location
SSPC TYPE	61	Type of Signaling Point Code
STR	48	Single Tandem Routing

## TRUNKING REQUEST

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
TCIC	14	Trunk Circuit Identification Code
TLV	7	Transmission Level
TRFTYP	10	Traffic Type
TRN	13	Trunk Number
TSC2	57	Two Six Code 2
TSC3	58	Two Six Code 3
TSC4	59	Two Six Code 4
TSPC	68	Transient Signaling Point Code
TSPC LOC	69	Transient Signaling Point Code Location
TTN	65	Translation Type Number
TTT	8	Transport Trunk Termination Code
VER	3	Version Identification
WACD1	18	Work Authorization Circuit Detail 1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. TRUNKING FORM NUMBERED

(Insert Your Company Logo Here)												Trunking												V50 03/15																														
Administrative Section												CCNA	PON	VER	ASR NO																																							
												[1] [2]	[3] [4]	[5] [6]	TLV	[7] [8]	[9] [10]	SECTLV	CIC	TRN	TCIC	[11] [12]	[13] [14]	[15]	NS																													
												PSAP	ESN	WACD1	[16]	[17]	[18]																																					
												RECCKT	[19]													PRI ADM	SEC ADM																											
												RECCKT	[19]													D.NPA/NXX	[20] [21]																											
												SCRT	[22]													CFAU	CPT	MUXLOC	[23]																									
												CFA	[24]													[25]	[26]	[27]																										
												CSL	CST	CSPC	SELOC	SMUXLOC	[28]	[29]	[30]	[31]	[32]																																	
												SCFA	[33]													HBAN	SFNI	[34]	[35]																									
												CCEA	[36]																																									
												CKR1	[37]													FACLT	[38]																											
												NC1	PQPR	FIMPTEL	SR	MBA	OPS	GETO	CDND	DIDQ	STR	REL TSC	FGD-950	CHOK	CGAP	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]	[49]	[50]	[51]	[52]															
												PCACT	LT	SLC	APC	TSC2	TSC3	TSC4	[53]	[54]	[55]	[56]	[57]	[58]	[59]																													
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												SSPC	SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC	[60]	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]																							
												REMARKS	[70]																																									

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. TRUNKING FORM CAMERA READY

(Insert Your Company Logo Here)

### Trunking

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO																						
<b>Service Details</b>		NC	NCJ	ILV	T	I	T	I	R																		
QACI	TRFTYP	SECTLV	CIC	TRN	-	TCIC	-	-	NS																		
PSAP			ESN	WACD1																							
RECCKT																											
RECCKT												PRI ADM															
SCRT												SEC ADM															
CFA												CFAU	CPT	MUXLOC													
CSL	CST	CSPC	SECLOC				SMUXLOC																				
SCFA											HBAN	SFNI															
CCEA																											
CKR1												FACTL															
NC1	PQPR	FIMPTEL	-	-	-	SR	MBA	OPS	GETO	CDND	DIDQ	STR	REL TSC	FGD-950		CHOK	CGAP										
PCACT	LT	SLC	APC	TSC2		TSC3		TSC4																			
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
SSPC				SSPC TYPE	PCU	PC TYP	SSN	TTN	SSPC LOC	PCNA	TSPC	TSPC LOC															
REMARKS																											

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404005-0050**

**Transport Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404005-0050  
Transport Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:

<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

---

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

TRANSPORT FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. TRANSPORT FORM DESCRIPTION	2-1
3. TRANSPORT FORM ENTRIES	3-1
3.1 CIRCUIT DETAIL SECTION	3-2
3.2 ALPHA/NUMERIC GLOSSARY	3-85
4. TRANSPORT REQUEST FORM NUMBERED	4-1
5. TRANSPORT REQUEST FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Transport Form entries. The Transport Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the Transport Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs/contracts/negotiations; therefore, use of either the field or valid entries within the field is based on provider tariffs.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on provider/customer negotiations; therefore, use of either the field or valid entries within the field is based on provider/customer negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. TRANSPORT FORM DESCRIPTION**

2.1 All information required for ordering a Special Access service, Switched Access facility, or unbundled transport is provided for in the various fields contained within the Transport Form. The Circuit Detail Section provides entries for the specification of ordering options, transmission levels, General Exchange Tariff options and for registration requirements.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. TRANSPORT FORM ENTRIES**

The Transport Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Section 3.1. Section 3.2 contains an alphabetic listing of the Transport Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 CIRCUIT DETAIL SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

## 5. NC - Network Channel Code

Identifies the network channel code for the circuit(s) involved. The NC code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

**NOTE 2:** If this field indicates that bridging is involved, the bridging location must be specified in the CKLT field.

### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** L|G|C|B

## 6. NCI - Network Channel Interface Code

Identifies the interface characteristics on the circuit at the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**6. NCI - Network Channel Interface Code (continued)**

**EXAMPLES:**

0	4	D	B	2	.	.	A	Z			
---	---	---	---	---	---	---	---	---	--	--	--

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

0	4	D	B	2							
---	---	---	---	---	--	--	--	--	--	--	--

**NOTE 1:** This example indicates no protocol options and transmission levels to be at the default level.

0	4	D	S	8	.	1	5	K			
---	---	---	---	---	---	---	---	---	--	--	--

**NOTE 1:** This example indicates protocol options specified and transmission levels to be at the default level.

0	4	D	S	8	.	1	5	K	.	A	Z
---	---	---	---	---	---	---	---	---	---	---	---

**NOTE 1:** This example indicates protocol options and transmission levels specified.

0	4	D	S	8	.	1	5		.	-	Z
---	---	---	---	---	---	---	---	--	---	---	---

**NOTE 1:** This example indicates protocol options and transmission levels specified.

## 7. **TLV - Transmission Level**

Identifies the required transmission level when a non-standard interface is required at the ACTL.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an “I” has been entered in position 8 or 11 of the NCI field and represents the transmission level to be received by the customer at the ACTL interface from the provider.

**NOTE 3:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the NCI field and represents the transmission level to be transmitted from the ACTL interface to the provider.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is “N”, “C” or “T” and position 8 or 11 of the NCI field is “I”.

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is “D”, “M” or “R” and position 8 or 11 of the NCI field is “I”.

**7. TLV - Transmission Level (continued)**

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is "N", "C" or "T" and position 9 or 12 of the NCI field is "I".

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the NCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points.)

**EXAMPLE:** +|0|7|.|3|T|-|1|5|.|8|R

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 9 of the NCI field or an "I" has been entered in position 11 or 12 of the NCI field. Either portion of the field (T or R) may be specified and the other left blank.

## 8. **SECNCI** - Secondary Network Channel Interface Code

Identifies the interface characteristics on the circuit at the secondary ACTL or end user location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required for two point service when the ACT field on the ASR Form is "N", "C" or "T".

**NOTE 2:** Optional for Hi-Cap facilities when the multiplexing is provided.

**NOTE 3:** Prohibited for multipoint services.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**8. SECNCI - Secondary Network Channel Interface Code**  
(continued)

**EXAMPLES:** |0|4|D|S|2|.|.|A|Z| | | |

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

|0|4|D|S|9|.|1|5|K|.|A|Z|

**NOTE 1:** This example indicates protocol options and transmission levels specified.

## 9. **SECTLV** - Secondary Transmission Level

Identifies the required transmission level when a non-standard interface is required.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an “I” has been entered in Position 8 or 11 of the SECNCI field and represent the transmission level to be received at the end user or secondary ACTL interface from the provider.

**NOTE 3:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the SECNCI field and represents the transmission level to be transmitted from the secondary ACTL or end user interface to the provider.

**NOTE 4:** Transmission specifications may be described in provider tariffs/contracts and/or in technical reference publications.

**USAGE:** This field is conditional.

**9. SECTLV - Secondary Transmission Level (continued)**

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is "N", "C" or "T" and position 8 or 11 of the SECNCI field is "I".

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 8 or 11 of the SECNCI field is "I".

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is "N", "C" or "T" and position 9 or 12 of the SECNCI field is "I".

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the SECNCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** -|1|5|.|8|T|+|0|7|.|0|R|

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 11 of the SECNCI field or an "I" has been entered in position 9 or 12 of the SECNCI field. Either portion of the field (T or R) may be specified.

**10. PQPR - Quantity of Port References (ACTL/PRILOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the ACTL.

**VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “V”.

**NOTE 2:** Prohibited when the ACT field on the ASR Form is “M”, “T” or “R”.

**NOTE 3:** Prohibited when positions 3 and 4 of the NCI field are “SM”, “SN”, “SP”, “SQ” or position 5 of the NCI field is not “F”.

**NOTE 4:** Prohibited when the NSL field is populated.

**NOTE 5:** Prohibited when the EVCI field on the ASR Form is “B”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |0|3|

## **11. QPR - Quantity of Port References (SECLOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the SECLOC.

### **VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “V”.

**NOTE 2:** Prohibited when the ACT field on the ASR Form is “M”, “T” or “R”.

**NOTE 3:** Prohibited when positions 3 and 4 of the SECNCI field are “SM”, “SN”, “SP”, “SQ” or position 5 of the SECNCI field is not “F”.

**NOTE 4:** Prohibited when the NSL field is populated.

**NOTE 5:** Prohibited when the EVCI field on the ASR Form is “B”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0 | 3

## 12. **SR** - Special Routing Code

Identifies the type of special routing requested.

### **VALID ENTRIES:**

#### 1<sup>st</sup> character - Primary Location

- A = Cable only
- B = Diversity
- C = Disaster Recovery
- D = Route other than normal
- E = Self Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at POP/PRILOC
- L = Unprotected Transport
- M = Diversity and Alternate Wire Center
- N = N/A
- X = Provider-Engineered/Custom

#### 2<sup>nd</sup> character - Interoffice Facility

- 1 = Avoidance
- 2 = Diversity
- 3 = Avoidance and Diversity
- 4 = Self Healing Interoffice Facilities
- 5 = Special Routing for Interoffice Facilities
- 6 = Route other than normal
- 7 = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

#### 3<sup>rd</sup> character - Secondary Location

- A = Cable Only
- B = Diversity
- C = Disaster Recovery
- D = Route other than normal

**12. SR - Special Routing Code (continued)**

**VALID ENTRIES Continued:**

E = Self Healing Loop  
F = Alternate Wire Center  
G = Self Healing Loop via Alternate Wire Center  
H = Self Healing Wire Center  
J = Self Healing Alternate Wire Center  
K = Special Routing at SECLOC  
L = Unprotected Transport  
M = Diversity and Alternate Wire Center  
N = N/A  
X = Provider-Engineered/Custom

**NOTE 1:** Use of Valid Entry "X" is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "M", otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** A|1|A

### 13. S25 - Surcharge Status

Identifies whether a surcharge is applicable (non-exempt) or non-applicable (exempt) for the number of circuits ordered between two customer locations.

**NOTE 1:** The S25C field appears on the Multipoint Service Leg (MSL) Form for certifying on a per leg basis for a multipoint circuit. Providers may require an accompanying certificate with the Access Service Request.

**NOTE 2:** When a mix (exempt and non exempt) is ordered the specific exemptions are stated using the ACI or MSL order request forms.

#### **VALID ENTRIES:**

A = The customer certifies that the access service is terminated in a device not capable of interconnecting the service with local exchange service or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

**NOTE 1:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option by the provider. (Whether or not a blanket exception is to be used will determine applicability of surcharge).

**13. S25 - Surcharge Status (continued)**

**VALID ENTRIES Continued:**

**NOTE 2:** A numeric quantity used in conjunction with the "A" or "B" entry indicates that the customer certifies that, this number of channels is exempt from the surcharge. (Only applicable to analog or digital high capacity facilities provided between two customer locations).

**NOTE 3:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

C = Surcharge is applicable to all circuits.

**NOTE 1:** If the surcharge does not apply to all the circuits or channels ordered, the quantity exempt must be shown preceded by an "A" or "B".

NA = Not Applicable

**NOTE 1:** "NA" is valid only for ACTL to SWC, EO to EO connections, DNALs or where intrastate tariffs do not have surcharge.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" and the first position of the LTP field on the ASR Form is not "A", "G", "H", "I", "J" or "K".

**NOTE 2:** Prohibited when the ACT field on the ASR Form is not "N" and the first position of the LTP field on the ASR Form is "A", "G", "H", "I", "J" or "K".

**NOTE 3:** Prohibited when the UNE field on the ASR Form is populated.

**13. S25 - Surcharge Status (continued)**

**VALID ENTRIES Continued:**

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

A	3	0					
---	---	---	--	--	--	--	--

**NOTE 1:** This example illustrates the valid entry of “A” followed by the quantity of circuits that are exempt.

B	1	2	0				
---	---	---	---	--	--	--	--

**NOTE 1:** This example illustrates the valid entry of “B” followed by the quantity of circuits that are exempt.

C							
---	--	--	--	--	--	--	--

#### **14. ER - S25 Exemption Reason**

Tells the provider why a circuit is exempt from the special access surcharge.

**NOTE 1:** For Hi-Cap services if multiple reasons are required, then quantity and reason will be placed in the REMARKS field.

#### **VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines, such as, terminations which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA type equipment (inter-machine trunks).

**14. ER - S25 Exemption Reason (continued)**

- 6 = The customer certifies that the special access service is a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting to a local exchange subscriber line.
- 7 = The customer certifies that the special access service is a termination that the customer certifies to the Telephone Company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of inter-connecting the special access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25 field is "A" or "B", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 4

## 15. **SSS - Secondary Service Support**

Identifies the features, functions or options associated with this DNAL.

**NOTE 1:** The access telephone number working with this feature will be provided in the ATN field.

**NOTE 2:** The TSC of the trunk group working with this feature will be provided in the ATN field.

### **VALID ENTRIES:**

B = Calling Directory Number Delivery via BCLID  
M = Make Busy Arrangement - Lineside  
N = Make Busy Arrangement - Trunkside  
Q = Queuing  
S = SMDI  
T = SMDI Expanded  
U = SMDI and MWI Activation – Visual  
V = Message Waiting Indicator (MWI) Activation – Visual  
W = Message Waiting Indicator (MWI) Activation – Audible  
X = Message Waiting Indicator (MWI) Activation Expanded  
Y = SMDI and MWI Activation – Audible  
Z = SMDI Expanded and MWI Activation Expanded

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C” and the BSA field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** W

## **16. ATN - Associated Telephone Number/TSC**

Identifies the telephone number/TSC of the associated service when the DNAL is providing additional options/feature functionality to the associated service or the special access is utilizing the loop facility of the associated exchange service.

**NOTE 1:** A telephone number should be provided when the associated service is lineside switched access or exchange service.

**NOTE 2:** A TSC should be provided when the associated service is trunkside switched access.

### **VALID ENTRIES:**

NPA-NXX-XXXX

Valid TSC

N = New

**NOTE 1:** A valid entry of "N" requires the associated order be specified in the RPON field on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SSS field is populated.

**NOTE 2:** Required when utilizing exchange loop facilities.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |3|1|4|-|2|2|2|-|1|2|3|4|

|P|T|1|2|3|4|5|6| | | | |

## 17. **TRF** - Transfer Feature

Identifies the transfer feature indicator for transfer relay.

### **VALID ENTRIES:**

<u>ADD</u>		<u>DISC</u>		<u>ORIENTATION</u>
L	or	1	=	Line Side of Port Circuit
R	or	2	=	Regular Port of Circuit (Drop)
S	or	3	=	Standby Port of Circuit (Drop)
C	or	4	=	Control Path of Circuit (To Controller)
O	or	5	=	Other Port

**NOTE 1:** Enter an alpha character for adding or a numeric character for disconnecting a feature.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C", "T" or "R" and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:** |S|

## 18. MST - Master

Indicator designating a circuit portion as the master leg/segment on a multipoint configuration.

**NOTE 1:** Designates the circuit portion coming into the LATA (from the ACTL) as the master leg/segment.

**NOTE 2:** Only one leg/segment on a multipoint circuit can be designated as the master, however, any number of other legs/segments can be designated as an alternate to the master.

**NOTE 3:** Leg/segments designated as an alternate master will be designed with the same functionality as the master leg/segment.

**NOTE 4:** All multipoint circuit configurations must contain a designated master leg/segment.

### VALID ENTRIES:

A = This is an alternate to the master leg

M = This is the master leg/segment

R = Remove this as the master or alternate master leg/segment

**NOTE 1:** Valid entry of "M" is prohibited if the MST field on any MSL Form is "M".

**USAGE:** This field is conditional.

**18. MST - Master (continued)**

**NOTE 1:** Required for a multipoint circuit configuration when the ACT field on the ASR Form is "N" and this leg/segment is the master/alternate master.

**NOTE 2:** Prohibited when the UNE field on the ASR Form is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** M

**19. HVP - High Voltage Protection**

Indicates the requirement for high voltage protection at a point of termination.

**VALID ENTRIES:**

R = Remove  
Y = Required

**NOTE 1:** When the valid entry is "Y", the provider will contact the customer for the necessary detail.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the UNE field on the ASR Form is populated or the ACT field on the ASR Form is "D", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**20. OTC - Other Exchange Company (Terminating)**

Identifies the provider responsible for delivery of the SECLOC termination in a multi provider service arrangement.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**VALID ENTRIES:**

- **COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.
- **COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.
- **Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**20. OTC - Other Exchange Company (Terminating) (continued)**

**NOTE 1:** Required when the ASC-EC field on the ASR Form is populated, and the CKLT field is blank.

**NOTE 2:** Optional when the ASC-EC field on the ASR Form is populated and the CKLT field is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

## **21. CKLT - Bridging Location**

Identifies the CLLI Code of the provider central office which provides bridging.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

**NOTE 2:** If this field has an entry and the NSL field is populated, no entries are allowed for the secondary location (SECLOC) information.

**NOTE 3:** An MSL Form must be submitted to provide the required entries for all the secondary locations off the bridge for requests for a new multipoint configuration, changes to, additions to or deletions of legs.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required for multipoint services when the ACT field on the ASR Form is "N" or "C".

**NOTE 2:** Prohibited when the UNE field on the ASR Form is populated.

**NOTE 3:** Otherwise optional.

**21. CKLT - Bridging Location (continued)**

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |S|N|F|C|C|A|0|5|C|G|0|

**22. NSL - Number of Secondary Locations**

Identifies the number of end points with circuit activity as shown on the MSL Form(s).

**USAGE:** This field is conditional.

**NOTE 1:** Required when MSL Form(s) are associated with the request and the UNE field and the NAG field on the ASR Form are not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|3

**23. CFAU - CFA Use**

Identifies the CFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA is a provider carrier system and the NC code does not specify a virtual concatenation service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **24. CFA - Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.5.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 4:** For those companies that do not combine unbundled network elements, the CFA field may not be populated when ordering dedicated interoffice transport.

**24. CFA - Connecting Facility Assignment (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities or a low speed connection of an unbundled multiplex network element and the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | |

| | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|

|C|G|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | |

| | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

**25. DIR - Directionality**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the PRI ADM field and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PRI ADM field is populated.

**NOTE 2:** Optional when the CFA field is populated.

**NOTE 3:** Optional when the PRI ADM and CFA fields are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**26. CPT - Channel Pair/Timeslot**

Identifies the Synchronous Transport Signal (STS), Virtual Tributary (VT) Group and VT Timeslot of the ring.

**NOTE 1:** Positions 7 through 11 required when utilizing two dedicated rings.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C" or "T" and the FNT field on the ASR Form is "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1	1	1	2	1
---	---	---	---	---

 - 

--	--	--	--	--

1	1	1	2	1
---	---	---	---	---

 - 

1	1	1	2	2
---	---	---	---	---

## **27. MUXLOC - Multiplexing Location**

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Connecting Facility Assignment (CFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

**NOTE 2:** MUXLOC is associated with the CFA, which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 3:** If more than one circuit is being ordered, the location defined within the first 8 characters of the MUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every CFA on the request.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CFA field is not populated or when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when utilizing multiplexing services, the CFAU is blank and the ACT field on the ASR Form is “N”, “C” or “T”.

**NOTE 3:** Otherwise optional.

**27. MUXLOC** – Multiplexing Location (continued)

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | |

**28. SCFAU – Secondary Connecting Facility Assignment Use**

Identifies the SCFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SCFA is a provider carrier system and the NC code does not specify a virtual concatenation service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**29. SCFA - Secondary Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility for a thru-connect configuration when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.5.

**NOTE 2:** May also identify a high capacity system which has been ordered by an end user or another customer.

**VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the SCFA.

**NOTE 3:** All element entries of the SCFA are left justified with no trailing spaces.

**29. SCFA - Secondary Connecting Facility Assignment (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities and the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|K|3|1| | | | | | | |  
| | | |

1	0	1	/	T	1	/	1	-	2	4	/	B	S	T	N	M	A	G	T
C	G	0	/	B	S	T	N	M	A	M	T	K	3	1					

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

### **30. SDIR - Secondary Directionality**

Identifies the direction of the circuit's path when it egresses (exits) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the SEC ADM field and the customer has assignment control.

#### **VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SEC ADM field is populated.

**NOTE 2:** Optional when the SCFA field is populated.

**NOTE 3:** Optional when the SEC ADM and SCFA fields are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 2

### **31. SECLOC - Secondary Location**

Identifies the terminating end of the circuit, a provider central office or the first point of switching for the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document ATIS-0325300 Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

**NOTE 2:** When the SECLOC is an end user premises, the SECLOC field must be populated with an “E” and the end user name will be populated in the EUNAME field on the SALI Form that will be provided when necessary. When an “E” is entered in this field and the CLLI Code has been pre-assigned, then the CLLI Code should be entered in the SPOT field on the SALI Form.

**NOTE 3:** When the SECLOC termination is an unbundled transport network element at a second ACTL, the SECLOC field may be populated with a “C” followed by the CLLI code of the secondary ACTL.

**NOTE 4:** SECLOC is not populated when requesting a multipoint configuration. CKLT is used to specify the first bridging location and an MSL Form is used for specifying end user and/or additional bridge terminations. The MSL Form must accompany the Transport Form when ordering multipoint configurations.

### 31. SECLOC - Secondary Location (continued)

**NOTE 5:** SECLOC is a CLLI Code when ordering facilities to a provider end office. This code must be preceded with a "C". This can also be a secondary ACTL CLLI Code.

**NOTE 6:** SECLOC may be populated with a CLLI Code or left blank when ordering facilities to a provider broadband switch. When this field is left blank, the provider will determine the switch location and provide the switch CLLI Code on the Confirmation Notice Form (CN).

**NOTE 7:** The following describes the use of the SECLOC field when ordering a High Capacity facility and in ordering the utilization of the High Capacity facility.

- The High Capacity facility is ordered between an ACTL and a HUB. The HUB would be specified in CLLI Code format in the SECLOC field.
- A subsequent request for a two point special access facility utilizing capacity in the previously provided High Capacity facility would be ordered as follows:
  - The SECLOC field would be "E" followed by blanks.
  - The EUNAME field on the SALI Form would specify the end user name at the premises where the circuit terminates.
  - The CFA field would specify the particular channel in the High Capacity facility to be utilized to provide the two point special access service. The CFA (Connecting Facility Assignment) is provided to the customer in the provisioning of the High Capacity facility. The customer then specifies the particular High Capacity facility and the channel assignments utilizing the CFA field.

### 31. **SECLOC** - Secondary Location (continued)

- A subsequent request for a multipoint special access facility utilizing capacity in the previously provided High Capacity facility would be ordered as follows:
  - The SECLOC field would be left blank and the end user location(s) are ordered using the MSL and SALI Forms that will be provided when necessary.
  - The CKLT field would specify the Bridge location.
  - The CFA field requirement is the same as previously stated.
  - The NSL field would specify the quantity of secondary locations with circuit activity.
- A subsequent request for a thru-connect utilizing capacity in the previously provided High Capacity facility would be ordered as follows:
  - The SECLOC field should be populated with an “E” and the end user name will be populated in the EUNAME field on the SALI Form that will be provided when necessary, or a “C” followed by the CLLI Code of the secondary ACTL.
  - The CFA field would specify the particular channel in the High Capacity facility to be utilized toward the ACTL.
  - The SCFA would specify the particular channel in the High Capacity facility to be utilized toward the secondary ACTL.
- A subsequent request for a connection to a collocation node (secondary ACTL) utilizing capacity in the previously provided High Capacity facility would be ordered as follows:
  - The SECLOC field should be populated with a “C” followed by the CLLI Code of the secondary ACTL.

**31. SECLOC - Secondary Location (continued)**

- The CFA field would specify the particular channel in the High Capacity facility/unbundled multiplexer to be utilized toward the ACTL.
- The SCCEA field may identify the tie-down assignment at the SECLOC (secondary ACTL).

**VALID ENTRIES:**

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
E	Blanks	Used if SECLOC is an end user's premises (for special access terminations).
C	CLLI Code	Used if SECLOC is a provider end office termination (including CENTREX) or a secondary ACTL when termination is UNE transport.

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**NOTE 2:** When the valid entry is “E” and the NAG field on the ASR Form is not populated, the SALI Form is required.

**NOTE 3:** When the valid entry is “E” and the NAG field on the ASR Form is populated, the SALI Form is prohibited.

**NOTE 4:** When the valid entry is “C” followed by a CLLI Code, the SALI Form is prohibited.

**31. SECLOC - Secondary Location (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "S", the ACT field on the ASR Form is "N", "C", "M" or "T", and, the NSL field is not populated.

**NOTE 2:** Prohibited when the NSL field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES** |C|M|I|L|N|T|N|M|A|6|8|6|

|E|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

|C|B|S|T|N|M|A|F|R|H|P|A|

**32. ICOL – ICO Location**

Identifies the serving wire center of the Independent Company (ICO) for the end user location.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ASC-EC field and the NAG field on the ASR Form are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha / numeric characters

**EXAMPLE:** |A|T|L|N|G|A|C|X|

**33. HBAN - High Capacity Channel Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customers.

**NOTE 2:** The HBAN entry appearing on this form must be for the provider identified in the ICSC field on the ASR Form.

**VALID ENTRIES:**

Valid Billing Account Number  
E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", the CFA field is populated and ratcheting of the Hi-Cap account is required.

**NOTE 2:** Prohibited when the UNE field on the ASR Form is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1|-|3|5|8|2|

**34. SFNI – Secondary Fiber Network Identification**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring within a fiber network when the SCFA field is populated and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:** |N|1|2|3|4|5| | | | | | | |

|W|1|2|3|4|5| | | | | | |

### **35. PRI ADM - Primary Add Drop Multiplexer**

Identifies a provider central office add drop multiplexer location used as a service access point when the ACTL/primary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is “N”, “C” or “T” and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |B|R|H|M|A|L|M|T|W|0|1|

|B|R|H|M|A|L|M|T|\_|\_|\_|

### **36. SEC ADM - Secondary Add Drop Multiplexer**

Identifies a provider central office add drop multiplexer location used as a service access point when the secondary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is “N”, “C” or “T” and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [B|R|H|M|A|L|M|T|W|X|X]

[B|R|H|M|A|L|M|T|\_|\_|\_]

### **37. SMUXLOC – Secondary Multiplexing Location**

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Secondary Connecting Facility Assignment (SCFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

**NOTE 2:** SMUXLOC is associated with the SCFA, which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 3:** If more than one circuit is being ordered, the location defined within the first 8 characters of the SMUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every SCFA on the request.

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SCFA field is not populated or when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when utilizing multiplexing services, the SCFAU is blank and the ACT field on the ASR Form is “N”, “C” or “T”.

**37. SMUXLOC – Secondary Multiplexing Location (continued)**

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | |

**38. NVC - Number of Virtual Connections (VC)**

Identifies the number of VCs requested.

**NOTE 1:** An entry in this field requires that the VC Form be submitted.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" and VC Form(s) are associated with the request, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**  | 3 |

### 39. **PSPEED** - Port Speed

Identifies the speed of the port.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V", the ACT field on the ASR Form is "N", and utilizing fractional T1.

**NOTE 2:** Prohibited when the first position of the REQTYP field on the ASR form is "S".

**NOTE 3:** Prohibited when the first position of the REQTYP field on the ASR Form is "V" and the ACT field on the ASR Form is "M" or "T".

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

5	6	K				
---	---	---	--	--	--	--

1	.	5	4	4	M	
---	---	---	---	---	---	--

4	4	.	7	3	6	M
---	---	---	---	---	---	---

## 40. LMP - Link Management Protocol

Identifies the VC status signaling protocol.

### **VALID ENTRIES:**

- 1 = LMI
- 2 = Annex A
- 3 = Annex D
- 4 = Auto
- 5 = Other, e.g., RLMI version
- 6 = None

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “V”, the NC field does not specify an Ethernet-based port and the ACT field on the ASR Form is “N”.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is “V”, the NC field does not specify an Ethernet-based port and the ACT field on the ASR Form is “C”, “D” or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 3

**41. N/U - NNI or UNI**

Identifies if the service ordered is to be network to network or user to network.

**VALID ENTRIES:**

N = NNI  
U = UNI

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" and the ACT field on the ASR Form is "N".

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "V" and the ACT field on the ASR Form is "C", "D" or "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

**42. BSC - Broadband Service Category**

Identifies the category of virtual service requested.

**VALID ENTRIES:**

C = Cell Relay (ATM)  
F = Frame Relay

**NOTE 1:** When the valid entry is "C", the VST field on the VC Form must be blank or "B".

**NOTE 2:** When the valid entry is "F", the VST field on the VC Form must be blank, "A" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" and the NC field does not specify an Ethernet-based port, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** F

**43. ETET - End to End Test**

Indicates the customer request for end-to-end (A to Z) standard acceptance testing at service delivery when a smart Jack (SMJK) is requested.

**VALID ENTRIES:**

Y = End to end testing requested

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SMJK field on the SALI Form is populated and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **44. L2CPP – Layer Two Control Protocol Peering**

Identifies a set of peering protocols that are used for various control purposes that allow the Ethernet network to effectively process information for subscribers who choose to deploy 802.1Q bridges.

**NOTE 1:** As an L2CP Frame is received on an external interface (UNI) there are three actions that can be specified.

- Peer
- Discard
- Pass

**NOTE 2:** More information regarding this field can be found in the Metro Ethernet Forum Technical Specification MEF 45.

#### **VALID ENTRIES:**

- A = Link Aggregation Control/Marker Protocol (LACP)
- B = 802.3 Operations, Administration, and Maintenance (Link-OAM)
- C = Ethernet Synchronization Messaging Channel (ESMC)
- D = Precision Time Protocol Peer-Delay (PTP)
- E = Ethernet Local Management Interface (E-LMI)
- F = Link Layer Discovery Protocol (LLDP)
- G = Virtual Station Interface Discovery and Configuration Protocol (VDP)
- H = Port-Based Network Access Control
- J = 802.3 MAC Control: PAUSE
- K = 802.3 MAC Control: Priority Flow Control (PFC)
- L = 802.3 MAC Control: Multipoint MAC Control
- M = 802.3 MAC Control: Vendor Extensions
- N = Rapid/Multiple Spanning Tree Protocol (RSTP/MSTP)
- P = Shortest Path Bridging (SPB)
- Q = Multiple MAC Registration Protocol (MMRP)
- R = Multiple VLAN Registration Protocol (MVRP)
- S = Multiple Stream Registration Protocol (MSRP)
- T = Multiple ISID Registration Protocol (MIRP)

#### 44. L2CPP – Layer Two Control Protocol Peering (continued)

**NOTE 1:** Multiple values are permitted.

**NOTE 2:** The customer should populate the appropriate character to indicate which protocols are applicable for peering.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha characters

**EXAMPLES:**

A	F	H	J	K																					
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

T																								
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

A	P																							
---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

#### **45. L2CP-ADDR – Layer Two Control Protocol Address Set**

Identifies the discard/pass action for all non-peered layer two control protocols.

##### **VALID ENTRIES:**

CTA = C-VLAN Tag Aware  
CTB = C-VLAN Tag Blind  
CTB-2 = C-VLAN Tag Blind Option 2

**NOTE 1:** Valid entry of “CTA” is associated with EVPL and EVP-LAN UNI members.

**NOTE 2:** Valid entry of “CTB” is associated with EPL and EP-LAN UNI members.

**NOTE 3:** Valid entry of “CTB-2” is associated with EPL UNI members.

**NOTE 4:** More information regarding this field can be found in the Metro Ethernet Forum Technical Specification MEF 45.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLES:** |C|T|A| | |

|C|T|B| - |2|

#### **46. UNI-MSFS – UNI Maximum Service Frame Size**

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum Technical Specification MEF 10.3.

**NOTE 2:** This attribute may be specified by the provider as part of their product offering.

#### **VALID ENTRIES:**

UNI Maximum Frame Size Value (numeric value expressed in bytes)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**   | 1 | 5 | 2 | 2

## **47. CCEA - Cross Connect Equipment Assignment**

Identifies the physical point of termination at a collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the CCEA field is populated, the information will identify the tie-down assignment at the ACTL.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

**48. SCCEA - Secondary Cross Connect Equipment Assignment**

Identifies the physical point of termination at the secondary collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the SCCEA field is populated, the information will identify the tie-down assignment at the SECLOC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

#### **49. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options in conjunction with the access service and special arrangements (third party billing).

##### **VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent
- E = Provide inside wiring and bill the end user agent
- M = Control facility required in conjunction with transfer arrangement or similar such configurations in conjunction with a multi-line hunt group.
- N = Terminate in a location other than normal (extend the point of termination using house cable, etc.) at the end user premises.
- O = Other
- P = Wire only with existing access service and bill end user directly.
- R = Referral for inside wiring (provider to negotiate with the end user).
- S = Provide inside wire repair plan and bill the customer.
- T = Provide inside wire repair plan and bill the end user.
- U = Provide inside wiring and repair plan and bill the customer.
- V = Provide inside wiring and repair plan and bill the end user.
- W = Provide inside wiring and bill the customer.
- Y = Provide inside wiring and bill end user directly.
- Z = Provide inside wiring and repair plan and bill the end user agent

**49. GETO - General Exchange Tariff Options Code (continued)**

**NOTE 1:** Inside wiring may be provided in provider Intrastate tariffs or in an unregulated environment.

**NOTE 2:** When the GETO field is “N”, the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is “O”, specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than “N”, “S”, “U” or “W”, the GCON field must be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the UNE field on the ASR Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** R

**50. GBTN - General Exchange Tariff Options Billing Telephone Number**

Identifies the billing telephone number for charges associated with options listed in the GETO field excluding inside wire.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO field is “A”, “E”, “S”, “T”, “U”, “V”, “W”, “Y”, “Z” or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|3|0|0|

**51. GCON - General Exchange Tariff Options Contact Name**

Identifies the name of the person to be contacted for additional information regarding GETO options.

**NOTE 1:** May also identify a third party ordering the service on behalf of the end user. Can be the name of a person, department or company.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field is “A”, “E”, “M”, “O”, “P”, “R”, “T”, “V”, “Y” or “Z” and the entry in this field is different than the BILLCON field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |T|O|M| |J|O|N|E|S| | | | |  
| | | | | | | | | | | | | | | | | | | |

**52. GTEL - General Exchange Tariff Options Contact Telephone Number**

Identifies the telephone number of the person named in the GCON field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|

**53. CTX TEL - CENTREX Telephone Number**

Identifies the main (listed) telephone number of the CENTREX switch.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the special access service requested terminates in a CENTREX and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|2|1|2| - |5|5|5| - |1|0|0|0|**

**54. CTX LSTD NM - CENTREX Listed Name**

Identifies the listed name of the CENTREX customer whose listed number appears in the CTX TEL field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CTX TEL field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

S	I	M	C	O	E	P	A	P	E	R	M
I	L	L	I	N	C						

## 55. **LAG-ID** - Link Aggregation Group ID

Specifies an existing provider-assigned circuit ID which represents a Link Aggregation Group.

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

### **VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format

**NOTE 1:** This format is defined by ANSI in the document ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LAG field on the ASR Form is "E", otherwise prohibited.

**DATA CHARACTERISTICS:** 24 alpha/numeric characters

**EXAMPLE:** 5|2|/|A|B|C|D|/|1|2|3|4|5|6|/|/|X|X|



## **56. LAG-P - Link Aggregation Group Protection**

Identifies the protection functionality requested for a Link Aggregation Group (LAG).

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

### **VALID ENTRIES:**

AA = All links are in active mode  
AS = A mixture of active and standby links

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LAG field on the ASR Form is “E” or “N” and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** A|A

**57. WACD1 - Work Authorization Circuit Detail 1**

Identifies the first circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the service being ordered is cross-connected to an existing service of equal value, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** | 1|0|0|1| / |T|3| / |B|S|T|N|M|A|G|T|O|G|

|0| / |B| |S| |T| |N| |M| |A| |M| |T| |C| |G| |0| | | | | |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | x | x |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

## **58. WACD2 - Work Authorization Circuit Detail 2**

Identifies the second circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the service being ordered is cross-connected to an existing service of equal value, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 0 | 1 | / | T | 3 | / | B | S | T | N | M | A | G | T | O | G |

|0| / |B| |S| |T| |N| |M| |A| |M| |T| |C| |G| |0| | | | | |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | x | x |

## 59. **DIVCKT** – Diverse Circuit ID

Identifies the existing circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the DIVCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the DIVCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** The format and structure of the field is defined by ANSI standards.

**NOTE 6:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

### **VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.4.

**59. DIVCKT - Diverse Circuit ID (continued)**

**VALID ENTRIES (continued):**

**NOTE 1:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** A2/LBFS/032719/001/NY

2. COMMON LANGUAGE Facility Codes (CLFI Codes) as defined by ANSI ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.5.

**NOTE 1:** For identification of an unbundled multiplexer (including the collocation cross-connect), unbundled transport or a high capacity facility to a HUB location.

**NOTE 2:** Either Location A or Z must be 11 characters.

**NOTE 3:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is "D".

**NOTE 2:** Prohibited when the DIVPON field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**60. DIVPON – Diverse Purchase Order Number**

Identifies the PON for a new circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is “C”, “D”, “M”, “T”, or “R”.

**NOTE 2:** Prohibited when the DIVCKT field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

## 61. **REMARKS** - Remarks

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:**

D	I	S	C		O	F		F		I	R	S	T		C	K	T		I	N	
					G	R	O	U	P												

### **3.2 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference of the Transport Form fields.

#### **TRANSPORT FORM**

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
ATN	16	Associated Telephone Number/TSC
BSC	42	Broadband Service Category
CCEA	47	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
CFA	24	Connecting Facility Assignment
CFAU	23	CFA Use
CKLT	21	Bridging Location
CPT	26	Channel Pair/Timeslot
CTX LSTD NM	54	CENTREX Listed Name
CTX TEL	53	CENTREX Telephone Number
DIR	25	Directionality
DIVCKT	59	Diverse Circuit ID
DIVPON	60	Diverse Purchase Order Number
ER	14	S25 Exemption Reason
ETET	43	End to End Test
GBTN	50	General Exchange Tariff Options Billing Telephone Number
GCON	51	General Exchange Tariff Options Contact Name
GETO	49	General Exchange Tariff Options Code
GTEL	52	General Exchange Tariff Options Contact Telephone Number
HBAN	33	High Capacity Channel Billing Account Number
HVP	19	High Voltage Protection
ICOL	32	ICO Location

## TRANSPORT FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
L2CPP	44	Layer Two Control Protocol Peering
L2CP-ADDR	45	Layer Two Control Protocol Address Set
LAG-ID	55	Link Aggregation Group ID
LAG-P	56	Link Aggregation Group Protection
LMP	40	Link Management Protocol
MST	18	Master
MUXLOC	27	Multiplexing Location
N/U	41	NNI or UNI
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
NSL	22	Number of Secondary Locations
NVC	38	Number of Virtual Connections (VC)
OTC	20	Other Exchange Company (Terminating)
PON	2	Purchase Order Number
PQPR	10	Quantity of Port References (ACTL/PRILOC)
PRI ADM	35	Primary Add Drop Multiplexer
PSPEED	39	Port Speed
QPR	11	Quantity of Port References (SECLOC)
REMARKS	61	Remarks
S25	13	Surcharge Status
SCCEA	48	Secondary Cross Connect Equipment Assignment
SCFA	29	Secondary Connecting Facility Assignment
SCFAU	28	Secondary Connecting Facility Assignment Use
SDIR	30	Secondary Directionality
SEC ADM	36	Secondary Add Drop Multiplexer
SECLOC	31	Secondary Location
SECNCI	8	Secondary Network Channel Interface Code
SECTLV	9	Secondary Transmission Level

## TRANSPORT FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
SFNI	34	Secondary Fiber Network Identification
SMUXLOC	37	Secondary Multiplexing Location
SR	12	Special Routing Code
SSS	15	Secondary Service Support
TLV	7	Transmission Level
TRF	17	Transfer Feature
UNI-MSFS	46	UNI Maximum Service Frame Size
VER	3	Version Identification
WACD1	57	Work Authorization Circuit Detail 1
WACD2	58	Work Authorization Circuit Detail 2

#### 4. TRANSPORT REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

#### Transport Request

V50  
03/15

CCNA	PON	VER	ASR NO																					
<b>Administrative Section</b>				1	2	3	4																	
<b>Circuit Details</b>																								
NC	NCI	TLV				SECNCI				SECTLV				POPR	QPR									
5	6	7	.	T	.	R	8	9	.	T	.	R	10	11										
SR	S25	ER	SSS	ATN	TRF	MST	HVP	OTC	CKLT	NSL														
12	13	14	15	16	17	18	19	20	21	22														
CFAU	CFA									DIR	CPT					MUXLOC								
23	24									25	26					27								
SCFAU	SCFA									SDIR	SECLOC					ICOL								
28	29									30	31					32								
HBAN	SFNI				PRI ADM				SEC ADM				SMUXLOC											
33	34				35				36				37											
NVC	PSPEED	LMP	N/U	BSC	ETET	L2CPP									L2CP-ADDR	UNI-MSFS								
38	39	40	41	42	43	44									45	46								
CCEA																								
47																								
SCCEA																								
48																								
GETO	GBTN	GCON								GTEL														
49	50	51								52														
CTX TEL	CTX LSTD NM								LAG-ID									LAG-P						
53	-	54					55									56								
WACD1																								
57																								
WACD2																								
DIVCKT																DIVPON								
59																60								

#### REMARKS

61																			

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. TRANSPORT REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

### Transport Request

V50  
03/15

CCNA	PON	VER	ASR NO							
Administrative Section										
NC	NCI	TLV	SECNCI							
SR	S25	ER	SSS	ATN	TRF	MST	HVP	OTC	CKLT	NSL
CFAU	CFA	DIR	CPT	MUXLOC						
SCFAU	SCFA	SDIR	SECLOC	ICOL						
HBAN	SFNI	PRI ADM	SEC ADM	SMUXLOC						
NVC	PSPEED	LMP	N/U	BSC	ETET	L2CPP	L2CP-ADDR	UNI-MSFS		
CCEA										
SCCEA										
GETO	GBTN	GCON	GTEL							
CTX TEL	CTX LSTD NM	LAG-ID	LAG-P							
WACD1	WACD2									
DIVCKT	DIVPON									
REMARKS										

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404006-0050**

**Multi Point Service Legs (MSL)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404006-0050  
Multi Point Service Legs (MSL) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*  
**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

MULTIPOINT SERVICE LEGS REQUEST (MSL)  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. MULTIPOINT SERVICE LEGS FORM DESCRIPTION	2-1
3. MULTIPOINT SERVICE LEGS (MSL) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-6
3.3 ALPHA/NUMERIC GLOSSARY	3-35
4. MULTIPOINT SERVICE LEGS (MSL) FORM NUMBERED	4-1
5. MULTIPOINT SERVICE LEGS (MSL) FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Multipoint Service Legs (MSL) Request Form entries. The MSL Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the MSL Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. MULTIPONT SERVICE LEGS FORM DESCRIPTION**

2.1 The Multipoint Service Legs (MSL) Form is used by the customer to order a bridge circuit configuration. This may be either a leg to an end user location off a bridge or another bridge off a bridge.

2.2 A multipoint configuration is considered as "one" circuit consisting of at least one provider bridge point and two legs (minimum) off a bridge. The Number of Secondary Locations (NSL) entry on the FGA, WAL, EUSA, or Transport Forms specify the number of legs on a multipoint configuration being ordered as new, change, disconnect, or inside move on a given request for service. NSL does not constitute the total number of legs off a bridge(s) configuration; but stipulates the quantity of legs with circuit activity. A bridge off a bridge is treated as a leg. The circuit section from the ACTL to the bridge is ordered on the Transport Form using the CKLT field to specify the bridge point. The MSL Form is used in conjunction with this request to stipulate the legs or Secondary Locations (SECLOC) off the bridge. The SALI Form is used in conjunction with this request to convey service address information for an end user location.

2.3 Extensions off an FGA or a WAL service may be ordered in a manner similar to a bridged circuit. The bridging location (CKLT) may or may not be obvious to the customer ordering such a configuration. The customer may stipulate the bridging location when the extension is in the same serving central office geographic area as the main service of the FGA or WAL service. However, the routing is not always known. The provider will determine and provide the least cost routing for such arrangements.

2.4 Usage rules for MSLs are based upon leg activity and not upon the ASR activity field. Valid activity combinations are:

<u>ACT (ASR)</u>	<u>LEGACT (MSL)</u>
N	N, K
C	N, C, D, M, K
M	None, MSL not allowed
D	D
R	R
T	None, MSL not allowed

2.5 ACI and MSL are mutually exclusive for the life of the ASR.

### **3. MULTIPONT SERVICE LEGS (MSL) FORM ENTRIES**

The MSL Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the MSL Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This ASR NO field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO field is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

2	1	3	4	5	6	7	8	9	0	1	2					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

### 3.2 CIRCUIT DETAIL SECTION

#### 5. REF NUM - Reference Number

Identifies the first circuit or segment as a unique number.

**NOTE 1:** The REF NUM is customer assigned and is returned on the confirmation record to the ordering customer.

**NOTE 2:** Once REF NUM is generated it cannot be changed and is retained through completion of the request.

**NOTE 3:** The values are to be assigned consecutively beginning with "0002" to "N", where "N" is the total number of legs and ACTL to bridge and bridge to bridge segments. The value "0001" is reserved for the "backbone" (the ACTL to bridge segment) which is not entered on the MSL request. For multipoint configurations the REF NUM total will always be "one" greater than the number of legs (NSL plus one) because "0001" is assigned to the ACTL to bridge segment.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|0|2

## 6. **LEGACT** - Multipoint Leg Activity

Identifies the activity that is occurring on this leg per this request.

### **VALID ENTRIES:**

C = Change leg  
D = Disconnect leg  
K = Cancel pending activity  
M = Move (inside)  
N = New leg  
R = Record order (ASR activity must also be "R")

**NOTE 1:** LEGACT of "K" is prohibited for the following conditions:

- When only 1 MSL Form is involved on request
- On all MSL Forms in one request
- On initial send of request

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

## 7. **CKLT** - Bridging Location

Identifies the CLLI Code of the provider central office which provides bridging.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

**NOTE 2:** When there are two or more bridging points on the circuit, then the requirements are:

- The first bridge point (CLLI Code) is entered in the CKLT field on the Transport or EUSA Form.
- The second bridge point (CLLI Code) is carried on the MSL Form. It is shown in the SECLOC field as "C" followed by the CLLI Code of the second bridge point.
- The CKLT field (on the first MSL) will carry the CLLI Code of the first bridge point. This combination of entries is such that the link from B1 to B2 is treated (in terms of a MSL entry) like a segment off the first bridge.
- For each leg off the second bridge location, the CKLT field should reflect the CLLI Code of the second bridge.

**7. CKLT – Bridging Location (continued)**

**VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “S” or “E”, and the LEGACT field is “N”, “C”, or “M”, otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |S|N|F|C|C|A|0|5|C|G|0|

**8. LEGNUM - Multipoint Leg Number**

Identifies the number assigned by the customer to this leg (segment) of a multipoint circuit.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** 1 7 5

## 9. **SEG** - Segment Number

Identifies the segment name of the ECCKT which is unique to each leg of a multipoint service configuration.

**NOTE 1:** The segment name is the suffix to the circuit ID that was assigned to the ACTL to Hub circuit established on an associated Access Service Request.

**NOTE 2:** The segment is assigned and entered by the provider on all original requests.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is "C", "D", "M" or "K".

**NOTE 2:** Required when the LEGACT field is "N", the SUP field on the ASR Form is "1", "2" or "3" and a confirmation notice has been issued.

**NOTE 3:** Optional when the LEGACT field is "R".

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** 0|0|7

## **10. NC - Network Channel Code**

Identifies the network channel code for the circuit(s) involved. The network channel code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.6.

**NOTE 2:** The bridging location must be specified in the CKLT field.

### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is “N” or “C”, otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |L|G|C|B|

## 11. **SECNCI** - Secondary Network Channel Interface Code

Identifies the interface characteristics on the circuit at the secondary ACTL or end user location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is “N” or “C” and the SECLOC field is not a CLLI code, otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** **[0|4|D|A|2|.|.|A|Z| | | ]**

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**11. SECNCI - Secondary Network Channel Interface Code**  
(continued)

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

[0|4|D|S|9|.|1|5|K|.|A|Z]

**NOTE 1:** This example indicates protocol options and transmission levels specified.

## 12. **SECTLV** - Secondary Transmission Level

Identifies the required transmission level when a non-standard interface is required.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, and one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an “I” has been entered in position 8 or 11 of the SECNCI field and represents the transmission level to be received at the end user or secondary ACTL interface from the provider.

**NOTE 3:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the SECNCI field and represents the transmission level to be transmitted from the secondary ACTL or end user interface to the provider.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in Technical Reference Publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the LEGACT field is “N” or “C” and position 8 or 11 of the SECNCI field is “I”.

**NOTE 2:** Positions 7-12 are required when the LEGACT field is “N” or “C” and position 9 or 12 of the SECNCI field is “I”.

**NOTE 3:** Otherwise prohibited.

**12. SECTLV - Secondary Transmission Level (continued)**

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** [-|1|5|.|8|T|+|0|6|.|3|R]

### 13. **MST** - Master

Indicator designating a circuit portion as the master leg/segment on a multipoint configuration.

**NOTE 1:** Designates a circuit portion contained within the LATA (from an end user location) as the master leg/segment.

**NOTE 2:** Only one leg/segment on a multipoint circuit can be designated as the master; however, any number of other legs/segments can be designated as an alternate to the master.

**NOTE 3:** Leg/segments designated as an alternate master will be designed with the same functionality as the master leg/segment.

**NOTE 4:** All multipoint circuit configurations must contain a designated master leg/segment.

#### **VALID ENTRIES:**

A = This is an alternate to the master leg.

M = This is the master leg/segment.

R = Remove this as the master or alternate master leg/segment.

**NOTE 1:** Valid entry of "M" is prohibited if the MST field on the Transport, EUSA or another MSL Form is "M".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is "N" and this leg/segment is the master/alternate master, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** M

#### 14. **TRF** - Transfer Feature

Identifies the transfer feature indicator for transfer relay.

##### **VALID ENTRIES:**

<u>ADD</u>	<u>DISC</u>	<u>ORIENTATION</u>
L or	1 =	Line Side of Port Circuit
R or	2 =	Regular Port of Circuit (Drop)
S or	3 =	Standby Port of Circuit (Drop)
C or	4 =	Control Path of Circuit (to Controller)
O or	5 =	Other Port

**NOTE 1:** Enter an alpha character for adding a feature or a numeric character for disconnecting a feature.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LEGACT field is “N”, “C”, or “R”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:** |S|

## 15. **S25C** - Surcharge Status Circuit

Identifies whether a surcharge is applicable (non-exempt) or non-applicable (exempt) for the circuit ordered between two customer locations.

**NOTE 1:** This field is for certifying on a per leg basis for a multipoint circuit. Providers may require an accompanying certificate with the Access Service Request.

### **VALID ENTRIES:**

A = The customer certifies, that the access service is terminated in a device not capable of interconnecting the service with local exchange service or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option. (Whether or not a blanket exception is to be used will determine applicability of surcharge.)

C = Surcharge is applicable to this circuit.

NA = Not Applicable

**NOTE 1:** "NA" is valid only for ACTL to SWC, EO to EO connections or where intrastate tariffs do not have surcharges.

**15. S25C - Surcharge Status Circuit (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLES:**

A	
---	--

N	A
---	---

## **16. ER - S25C Exemption Reason**

Tells the provider why a circuit is exempt from the special access surcharge.

### **VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines, such as, terminations which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA type equipment (inter-machine trunks).
- 6 = The customer certifies that the special access services termination is not connected to a PBX or other device capable of interconnecting to a local exchange subscriber line.

**16. ER - S25C Exemption Reason (continued)**

7 = The customer certifies that the special access service termination is connected to a PBX or other device that is not capable of inter-connecting the special access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25C field is "A" or "B", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**17. RORD - Related Order Number**

This field is used by the customer to identify a related provider order number.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the LEGACT field is “R”, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|4|5|6|8|9|5| | | | | | | | | | |

## 18. **SCFA** - Secondary Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility for a thru-connect configuration when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097, Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**NOTE 2:** May also identify a high capacity system which has been ordered by an end user or another customer.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the SCFA.

**NOTE 3:** All element entries of the SCFA are left justified with no trailing spaces.

### **USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities when the LEGACT field is "N" or "C", otherwise optional.

**18. SCFA - Secondary Connecting Facility Assignment (continued)**

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | |

| | | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|

|C|G|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | |

| | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

**19. OTC - Other Exchange Company (Terminating)**

Identifies the provider responsible for delivery of the SECLOC termination in a multi provider service arrangement.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**VALID ENTRIES:**

- **COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.
- **COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.
- **Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ASC-EC field on the ASR Form is populated, otherwise prohibited.

**19. OTC - Other Exchange Company (Terminating) (continued)**

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

## 20. SECLOC - Secondary Location

Identifies the terminating end of the circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253-, (ATIS-0325300) Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.1.

### VALID ENTRIES:

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
E	Blanks	- Used if SECLOC is an end user's premises indicated on the SALI Form.
C	CLLI Code	- Used if SECLOC is a secondary bridging point, Centrex or secondary ACTL.

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGACT field is "N", "C", or "M", otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|M| I |L|N|T|N|M|A|6|8|6|

|E| | | | | | | | | | | |

## **21. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) in conjunction with the access service.

### **VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent
- E = Provide inside wiring and bill the end user agent
- M = Control facility required in conjunction with transfer arrangements or similar such configurations in conjunction with a multi-line hunt group
- N = Terminate in location other than normal (extend the point of termination using house cable, etc.) at the end user premises
- O = Other
- P = Wire only with existing access service and bill end user directly
- R = Referral for inside wiring (provider to negotiate with the end user)
- S = Provide inside wiring repair plan and bill the customer
- T = Provide inside wire repair plan and bill the end user
- U = Provide inside wiring and repair plan and bill the customer
- V = Provide inside wiring and repair plan and bill the end user
- W = Provide inside wiring and bill the customer
- Y = Provide inside wiring and bill the end user directly
- Z = Provide inside wiring and repair plan and bill the end user agent

**21. GETO - General Exchange Tariff Options Code (continued)**

**NOTE 1:** Inside wiring may be provided in provider Intrastate tariffs or in an unregulated environment.

**NOTE 2:** When the GETO field is "N", the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is "O", specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than "N", "S", "U" or "W", the GCON field must be populated.

**NOTE 5:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**22. GBTN - General Exchange Tariff Options Billing Telephone Number**

Identifies the billing telephone number for charges associated with options listed in the GETO field excluding inside wire.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO field is “A”, “E”, “S”, “T”, “U”, “V”, “W”, “X”, “Y”, “Z” or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|3|0|0|

**23. GCON - GETO Contact Name**

Identifies the name of the person to be contacted for additional information regarding GETO options.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field is “A”, “E”, “M”, “O”, “P”, “R”, “T”, “V”, “Y” or “Z” and the entry in this field is different than the BILLCON field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

T	O	M	J	O	N	E	S																		

**24. GTEL - General Exchange Tariff Options Contact Telephone Number**

Identifies the telephone number of the person named in the GCON field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|

**25. REMARKS - Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### 3.3 ALPHA/NUMERIC GLOSSARY

The following table contains an alpha/numeric cross reference glossary for the Multipoint Service Leg fields.

#### MSL FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
CKLT	7	Bridging Location
ER	16	S25C Exemption Reason
GBTN	22	General Exchange Tariff Options Billing Telephone Number
GCON	23	GETO Contact Name
GETO	21	General Exchange Tariff Options Code
GTEL	24	General Exchange Tariff Options Contact Telephone Number
LEGACT	6	Multipoint Leg Activity
LENUM	8	Multipoint Leg Number
MST	13	Master
NC	10	Network Channel Code
OTC	19	Other Exchange Company (Terminating)
PON	2	Purchase Order Number
REF NUM	5	Reference Number
REMARKS	25	Remarks
RORD	17	Related Order Number
S25C	15	Surcharge Status Circuit
SCFA	18	Secondary Connecting Facility Assignment
SECLOC	20	Secondary Location
SECNCI	11	Secondary Network Channel Interface Code
SECTLV	12	Secondary Transmission Level
SEG	9	Segment Number
TRF	14	Transfer Feature
VER	3	Version Identification

#### **4. MULTIPONT SERVICE LEGS (MSL) FORM NUMBERED**

(Insert Your Company Logo Here)

# Multipoint Service Legs

V50  
03/15

---

## **Administrative Section**

CCNA	PON	VER	ASR NO
1	2	3	4

## Circuit Details

---

**REMARKS**

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. MULTIPONT SERVICE LEGS (MSL) FORM CAMERA READY**

(Insert Your Company Logo Here)

# Multipoint Service Legs

V50  
03/15

## **Administrative Section**

CCNA PON VER ASR NO

## Circuit Details

REF NUM	LEGACT	CKLT	LEGNUM	SEG	NC	SECNCI	SECTLV
██████	█	██████████	██████	████	████	██████████	..T..R
MST	TRF	S25C	ER	RORD			
█	█	████	█	██████			
SCFA						OTC	SECLOC
██						████████████████	
GETO	GBTN		GCON			GTEL	
█	████-████-████		████			████-████-████	-████-████

## **REMARKS**

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404007-0050**

**Additional Circuit Information (ACI) Form  
Preparation Guide**

**Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404007-0050  
Additional Circuit Information (ACI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

ADDITIONAL CIRCUIT INFORMATION (ACI) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

Section Page

1. GENERAL	1-1
2. ACI REQUEST FORM DESCRIPTION	2-1
3. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-6
3.3 ALPHA/NUMERIC GLOSSARY	3-66
4. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM NUMBERED	4-1
5. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Additional Circuit Information (ACI) Request Form entries. The ACI request must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request and a service specific form containing circuit and location information. The field entries contained within the ACI Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing right to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/contracts/negotiations.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. ACI REQUEST FORM DESCRIPTION**

2.1 Additional Circuit Information (ACI) Request Forms are to be used by the customer or the provider for stipulating circuit specific information that cannot readily be provided on a service specific request form. Generally, the customer will not submit an ACI Form for ordering a group of circuits, but will simply identify the order using the quantity field, the CKR field and the (ECCKT) Exchange Company Circuit Identification field (for existing circuits).

2.2 From a customer perspective, the customer may use the ACI request to stipulate circuit specific arrangements which are not readily accommodated using the service specific request forms. An example of such a requirement would be the provisioning of non-sequential circuit identification. When the provider provides CLCI (COMMON LANGUAGE Circuit Identification) for circuits in a group, the provider and the customer may use a range of numbers identifying such a group (e.g., 201 968-7463-68). This type of range of circuits may be described without the use of an ACI Form. However, when a non-sequential range of circuit identification is required, then the ACI Form may be used to stipulate these requirements. For example, a request to disconnect the 2nd, 4th and 6th circuit in a group may be stipulated using the ACI Form.

The ACI Form is always to be associated with one of the service specific Forms shown below. Unlike the individual circuit level fields on the ACI Form, the fields populated on the associated service specific Form pertain to all circuits contained in the service request, (i.e. MUXLOC):

- FGA Request
- Trunking Request
- WAL Request
- Transport Request
- End User Special Access Request
- Switched Ethernet Services Request

2.3 ACI and MSL are mutually exclusive for the life of the ASR.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM ENTRIES**

The ACI Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the ACI Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

The Administrative Section contains four fields that are applicable to the three circuit information sections.

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual Customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** [A ]

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is preassigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

### **3.2 CIRCUIT DETAIL SECTION**

## **5. CKR - Customer Circuit Reference**

Identifies the circuit number or range of circuit numbers being used by the customer.

**NOTE 1:** CKR is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** | L | 0 | 0 | 0 | 2 | - | 0 | 0 | 2 | 4 | | | | | | | | |

## 6. **REF NUM** - Reference Number

Identifies the first circuit, switched ethernet service, or segment as a unique number and each additional circuit or circuit segment as a unique number.

**NOTE 1:** The REF NUM is customer assigned and is returned on the confirmation notice to the ordering customer.

**NOTE 2:** Once REF NUM is generated it cannot be changed and is retained through completion of the request.

**NOTE 3:** The values are to be assigned consecutively beginning with "0002". The value "0001" is reserved for the associated service specific form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|2|3|

**7. CKTACT - Circuit Activity**

Identifies cancellation activity that is occurring on this circuit per this request.

**VALID ENTRIES:**

K = Cancellation

**USAGE:** This field is conditional.

**NOTE 1:** Required when the circuit quantity is decreasing and the SUP field on the ASR Form is "3" or "4", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 8. **CFA - Connecting Facility Assignment**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 4:** When multiple levels of CFA are being provided, the highest level of CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

**NOTE 5:** HBAN should be provided along with CFA when available.

**8. CFA - Connecting Facility Assignment (continued)**

**NOTE 6:** For those companies that do not combine unbundled network elements, the CFA field may not be populated when ordering dedicated interoffice transport.

**NOTE 7:** On initial facility order, an entry of "NEW" may be used in the facility designation element.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA field on the FGA, Trunking, Transport or EUSA Forms is populated, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|C|G|0| | | | | | | |

| | | | |

|1|0|1| / |T|1| / |1| - |4| / |B|S|T|N|M|A|G|T|C|

|G|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | |

| | | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

**9. DIR - Directionality**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDMSONET/OTN Ring, identified in the PRI ADM field on the Trunking, Transport or EUSA Form, and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PRI ADM field on the Transport, Trunking or EUSA Form is populated.

**NOTE 2:** Optional when the CFA field is populated.

**NOTE 3:** Optional when the PRI ADM field on the Transport, Trunking or EUSA Form and the CFA field are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**10. CPT - Channel Pair/Timeslot**

Identifies the Synchronous Transport Signal (STS), Virtual Tributary (VT) Group and VT Time slot of the ring.

**NOTE 1:** Positions 7 through 11 required when utilizing two dedicated rings.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C" or "T" and the FNT field on the ASR Form is "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1	1	1	2	1	-					
---	---	---	---	---	---	--	--	--	--	--

1	1	1	2	1	-	1	1	1	2	2
---	---	---	---	---	---	---	---	---	---	---

## **11. CFAU - CFA Use**

Identifies the CFA as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "A", "L", "M" or "W" and the CFA is a provider carrier system.

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is "E", "S", "V" or "X", the CFA is a provider carrier system and the NC code does not specify a virtual concatenation service.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 12. **HBAN** - High Capacity Channel Billing Account Number

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided by the provider to the customers.

**NOTE 2:** The HBAN entry appearing on this form must be for the provider identified in the ICSC field on the ASR Form.

### **VALID ENTRIES:**

Valid Billing Account Number  
E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HBAN field on the FGA, Trunking or Transport Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|B|I|-|3|5|8|2|

### **13. CKR1 - Customer Circuit Reference (T1)**

Identifies the circuit number or range of circuit numbers used by the customer for the T1 Transport involved.

**NOTE 1:** CKR1 is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Optional in a single ASR environment for LTR requirements, otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:** | L | 0 | 0 | 0 | 2 | - | 0 | 0 | 2 | 4 | | | | | | | | | |

**14. TSP - Telecommunications Service Priority**

Indicates the provisioning and restoration priority as defined under the TSP Service Vendor Handbook.

**NOTE 1:** These codes are assigned by the TSP Program Office and are required to be unique per circuit.

**VALID ENTRIES:**

Nine Character TSP Control Identifier  
One Character Provisioning Priority Level (E, 0-5)  
One Digit Restoration Priority Level (0-5)

**NOTE 1:** A TSP code ending in “00” indicates “revocation”, the removal of a previously assigned TSP code.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TSP field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including 1 preprinted hyphen)

**EXAMPLE:** |T|S|P|1|2|3|4|5|C| - |E|1|

## 15. SCFA - Secondary Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**NOTE 2:** May also identify a high capacity system which has been ordered by an end user or another carrier.

### **VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**NOTE 2:** Virgules are used as delimiters to separate all elements of the SCFA.

**NOTE 3:** All element entries of the SCFA are left justified with no trailing spaces.

**NOTE 4:** When multiple levels of CFA are being provided, the highest level CFA is populated in the CFA field and the lower level CFA is populated in the SCFA field.

**NOTE 5:** For those companies that do not combine unbundled network elements, the SCFA field may not be populated when ordering dedicated interoffice transport.

**15. SCFA - Secondary Connecting Facility Assignment (continued)**

**NOTE 6:** For thru-connect configurations, HBAN should be provided when available.

**NOTE 7:** On initial facility order, an entry of "NEW" may be used in the facility designation element.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SCFA field on the FGA, Trunking or Transport Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | |

| | | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|

|C|G|0| / |B|S|T|N|M|A|M|T|K|3|1| | | | | | |

| | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **16. SDIR - Secondary Directionality**

Identifies the direction of the circuit's path when it egresses (exits) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the SEC ADM field on the Trunking, Transport or EUSA Form, and the customer has assignment control.

### **VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SEC ADM field on the Transport, Trunking or EUSA Form is populated.

**NOTE 2:** Optional when the SCFA field is populated.

**NOTE 3:** Optional when the SEC ADM field on the Transport, Trunking or EUSA Form and the SCFA field are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**17. SCFAU – Secondary Connecting Facility Assignment Use**

Identifies the SCFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "E", "S", "V" or "X", the SCFA is a provider carrier system, and the NC code does not specify a virtual concatenation service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**18. TCIC - Trunk Circuit Identification Code**

Identifies a specific trunk for which CCS is being performed.

**VALID ENTRIES:**

A five numeric entry or range of five numeric entries. If the entry ends in 97, 98, 99 or 00, the NS field on the Trunking Form must be populated.

**NOTE 1:** The TCIC numeric characters are right justified with leading zeros. The ten thousand digit should always be zero.

**NOTE 2:** Some switch types require customer/ provider negotiation in assigning TCIC codes.

**USAGE:** This field is conditional.

**NOTE 1:** Required on all requests for CCS trunks, otherwise optional.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:** |0|2|3|4|5|-| | | | | |

|0|2|3|4|5|-|0|2|3|4|7|

## **19. CCEA - Cross Connect Equipment Assignment**

Identifies the physical point of termination at a collocation arrangement.

**NOTE 1:** The customer may provide this information when they have assignment control.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|  
|1|0| / |O|K|L|D|C|A|0|3| / |O|K|L|D|C|A|0|3|  
| | | | | | | | | | | | | | | |

**20. JK CODE - Jack Code (SECLOC)**

Identifies the standard code for the particular registered or non-registered jack used to terminate the service.

**NOTE 1:** Familiarization with the FCC's registration rules is requisite for all parties involved for the determination of the proper "Jack Code" for a given registered service. Registered jacks used to terminate Category 1 and 3 services begin with the designation "RJ".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JS (SECLOC) field is "E" or "N".

**NOTE 2:** Prohibited when the JS (SECLOC) field is not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |R|J|2|1|X|

**21. PCA - Protective Connecting Arrangement (SECLOC)**

Identifies the standard code for a Protective Connecting Arrangement (PCA).

**NOTE 1:** PCAs are grandfathered and are offered subject to on-the-shelf availability.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "W", "S" or "E", the PCA field on the SALI Form is populated and the PI field on the SALI Form is blank, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |C|2|3|4|W|

**22. JK NUM - Jack Number (SECLOC)**

Identifies the number of the existing jack used on private end user connections.

**NOTE 1:** When the jack identification is unknown, enter 99 in this field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JK CODE (SECLOC) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** |B|2|

**23. JK POS - Jack Position (SECLOC)**

Identifies the position in the jack that a particular circuit will occupy.

**NOTE 1:** When jack position is unknown, enter 99 in this field to specify the next available position.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JK CODE (SECLOC) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |9|9|

**24. JS - Jack Status (SECLOC)**

Indicates whether the access service is to terminate at a new or existing registered jack or demarc.

**VALID ENTRIES:**

- D = New demarc (no registered jack or PCA termination required)
- E = Existing registered jack
- F = Existing demarc
- N = New - constitutes an order for the registered jack

**NOTE 1:** Registered jacks are required for services identified as Category 1 and 3 type services in FCC Part 68 rules that terminate at an end user's premises. Demarc denotes those services identified as Category 2 type non-voice grade services in FCC Part 68. This also includes services provided for end users that terminate in a CENTREX. Registered jacks may be used on an optional basis for termination of Category 2 services.

**NOTE 2:** If a jack that is being provided for the service but ordered from another tariff it should be identified as existing.

**NOTE 3:** Valid entries indicating registered jack and demarc cannot be mixed for the secondary location on the same request.

**NOTE 4:** When this field is populated with "N" constituting an order for a jack, the number of jacks to be provided is based upon the quantity of circuits/facilities ordered, the type of jack (JK CODE) (SECLOC) and the number of positions available in a multiposition jack.

**24. JS - Jack Status (SECLOC) (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "W", "S" or "E", the JS field on the SALI Form is populated and the PI field on the SALI Form is blank, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

**25. NHNI - Non-Hunt Number Indicator**

Identifies a request for installation or removal of the non-hunt number feature in a hunt group.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "A" or "W" and the ACT field on the ASR Form is "N", "C" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**26. NHN - Non-Hunting Number**

Identifies non-hunt telephone numbers in ESS multi-line groups.

**NOTE 1:** Valid only for FGA and WALs.

**NOTE 2:** A multi-line hunt group may contain one or more lines which do not hunt when that line is dialed directly.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NHNI field on the FGA, WAL or ACI Form is populated and the SUP field on the ASR Form is "3", otherwise optional.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLE:** |2|3|4|1|2|3|6|

**27. RORD - Related Order Number**

Identifies a related provider order associated with this service.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "R", otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|1|2|3|0|5|6| | | | | | | | | | | | | | | |

**28. S25C - Surcharge Status Circuit**

Identifies whether a surcharge is applicable (non-exempt) or non-applicable (exempt) for the circuit ordered between two customer locations.

**NOTE 1:** This field is for certifying on a per circuit basis. Providers may require an accompanying certificate with the Access Service Request.

**VALID ENTRIES:**

A = The customer certifies that the access service is terminated in a device not capable of interconnecting the service with local exchange service or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option by the provider. (Whether or not a blanket exemption is to be used will determine applicability of surcharge).

C = Surcharge is applicable to this circuit.

**28. S25C - Surcharge Status Circuit (continued)**

NA = Not Applicable

**NOTE 1:** Use of “NA” is specified on the associated service specific form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N” and the surcharge status for a circuit differs from that shown in the S25 field on the related service specific form.

**NOTE 2:** Prohibited when the first position of the REQTYP field on the ASR Form is “A”, “M” or “L”.

**NOTE 3:** Prohibited when the UNE field on the ASR Form is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** A

**29. ER - S25C Exemption Reason**

Tells the provider why a circuit is exempt from the special access surcharge.

**VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a telephone company switch of an FX line, including CCSA and CCSA equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of telephone company common lines, such as, terminations, which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges. Such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA type equipment (inter-machine trunks).
- 6 = The customer certifies that the special access services is a termination that the customer certifies to the telephone company is not connected to a PBX or other device capable of interconnecting to special access service to a local exchange subscriber line.

**29. ER - S25C Exemption Reason (continued)**

**VALID ENTRIES:**

7 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of inter-connecting the Special Access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25C field is "A" or "B", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 4

**30. ECCKT - Exchange Company Circuit ID**

Identifies a provider circuit ID or multiple circuit IDs.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the ECCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the ECCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** Use of ranging is based on customer/provider negotiations. Ranges should be shown within the appropriate component of the ID by specifying the lowest value of the component, hyphen, and highest value of the component, e.g., trunk numbers 3500 through 3512 would be shown as 3500-3512.

**NOTE 6:** When disconnecting all circuits in a given account, “ALL” should be entered in this field, the BAN field populated, and the ACT field should contain a “D”.

**30. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.3 and 2.14.4.

**EXAMPLES:**

A2/SBFS/201/981/3500800/123

A2/LBFS/032719/001/NY

2. COMMON LANGUAGE Message Trunk Circuit Codes (CLCI MSG Codes) as defined by ANSI in ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-400-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.2.

**EXAMPLE:** 1234/AF54IECN/MDSNWI16CG0/M-  
/MDSNWI020IT/DF55IE/BSTNMAAACG0/M-  
/MCDNMACOCG1

3. COMMON LANGUAGE Facility Codes – (CLFI Codes) as defined by ANSI ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**30. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES** Continued:

**NOTE 1:** Either Location A or Z must be 11 characters.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ECCKT field on the ASR Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

### 31. TRN - Trunk Number

Identifies a specific customer trunk number or trunk number range.

**NOTE 1:** Trunk number component in the message format is a variable length, one to four character numeric code and trunk numbers of fewer than 4 characters are left justified with remaining spaces not filled. Leading zeros are not to be used as part of the trunk number. However, the trunk number zero is allowed.

#### **VALID ENTRIES:**

0-9999

**NOTE 1:** A four numeric entry or range of four numeric entries.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "M" and the TCIC field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:** |1| | | | - |2|4| | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|2|5|2|4| - |2|5|2|5|

### **32. SCCEA - Secondary Cross Connect Equipment Assignment**

Identifies the physical point of termination at the secondary collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the SCCEA field is populated, the information will identify the tie-down assignment at the SECLOC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

**33. JK CODE - Jack Code (PRILOC)**

Identifies the standard code for the particular registered or non-registered jack used to terminate the service.

**NOTE 1:** Familiarization with the FCC's registration rules is requisite for all parties involved for the determination of the proper "Jack Code" for a given registered service. Registered jacks used to terminate Category 1 and 3 services begin with the designation "RJ".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JS (PRILOC) field is "E" or "N".

**NOTE 2:** Prohibited when the JS (PRILOC) field is not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |R|J|2|1|X|

**34. PCA - Protective Connecting Arrangement (PRILOC)**

Identifies the standard code for a Protective Connecting Arrangement (PCA).

**NOTE 1:** PCAs are grandfathered and are offered subject to on-the-shelf availability.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "E", the PCA field on the SALI Form is populated and the PI field on the SALI Form is "Y", otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |C|2|3|4|W|

**35. JS - Jack Status (PRILOC)**

Indicates whether the access service is to terminate at a new or existing registered jack or demarc.

**VALID ENTRIES:**

- D = New demarc (no registered jack or PCA termination required)
- E = Existing registered jack
- F = Existing demarc
- N = New - constitutes an order for the registered jack

**NOTE 1:** Registered jacks are required for services identified as Category 1 and 3 type services in FCC Part 68 rules that terminate at an end user's premises. Demarc denotes those services identified as Category 2 type non-voice grade services in FCC Part 68. This also includes services provided for end users that terminate in a CENTREX. Registered jacks may be used on an optional basis for termination of Category 2 services.

**NOTE 2:** If a jack that is being provided for the service but ordered from another tariff it should be identified as existing.

**NOTE 3:** Valid entries indicating registered jack and demarc cannot be mixed for the secondary location on the same request.

**NOTE 4:** When this field is populated with "N" constituting an order for a jack, the number of jacks to be provided is based upon the quantity of circuits/facilities ordered, the type of jack (JK CODE (PRILOC)) and the number of positions available in a multiposition jack.

**35. JS - Jack Status (PRILOC) (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "E", the JS field on the SALI Form is populated and the PI field on the SALI Form is "Y", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### 36. **WACD1** - Work Authorization Circuit Detail 1

Identifies the first circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “E”, “S”, “V” or “X” and the service being ordered is cross-connected to an existing service of equal value.

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is “M” and the service being ordered is cross-connected to an existing service of equal value and the CC field on the ASR form is populated and the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L” or “M”.

**NOTE 3:** Required when the first position of the REQTYP field on the ASR Form is “M” and the service being ordered is cross-connected to an existing service of equal value and the WST field on the ASR form is populated and the first position of the LTP field on the ASR Form is “B”, “C”, “D”, “E”, “L” or “M”.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** |1|0|0|1| / |T|3| / |B|S|T|N|M|A|G|T|0|G|

|0| / |B|S|T|N|M|A|M|T|C|G|O| | | | | | |

|5|2| / |H|F|G|S| / |1|2|3|4|5|6| / | | |X|X|

| | | | | | | | | | | | | | | | | | | | | | | | |

### **37. WACD2 - Work Authorization Circuit Detail 2**

Identifies the second circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "E", "S", "V" or "X" and service being ordered is cross-connected to an existing service of equal value, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 0 | 1 | / | T | 3 | / | B | S | T | N | M | A | G | T | 0 | G |

|0| / |B| |S| |T| |N| |M| |A| |M| |T| |C| |G| |O| | | | | |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | x | x |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

**38. SMJK - Smart Jack (PRILOC)**

Indicates a need to provide a remote loop back (Smart) capabilities at the premises for the new jack requested for this service.

**VALID ENTRIES:**

Y = Provide Smart Jack

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "E" or "X", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**39. SMJK - Smart Jack (SECLOC)**

Indicates a need to provide a remote loop back (Smart) capabilities at the premises for the new jack requested for this service.

**VALID ENTRIES:**

Y = Provide Smart Jack

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the UNE field on the ASR Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**40. ASG - Access Service Group**

Identifies the access service group assigned to a particular circuit or group of circuits.

**NOTE 1:** This number appears on the billing service charge detail of the Customer Service Record (CSR) which was forwarded to the customer when the service was installed or when there was a change to the bill resulting from service order activity. The ASG may be provided on the Confirmation Notice Form (CN) by the provider.

**NOTE 2:** If a new ASG is being requested, then the only valid entry is "N".

**NOTE 3:** The ASG field entry appearing on this form must be for the provider identified in the ICSC field on the ASR Form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

1	2	3			
---	---	---	--	--	--

**41. CRO - Complete with Related Order**

Identifies the related provider order number or range of order numbers to be completed on the same date as this one.

**NOTE 1:** There are two CRO fields to accommodate more than one related order.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “R”, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** | N | 2 | 7 | 0 | 3 | 5 | 1 | 9 | | | | | | | | |

**42. RECKT - Related Exchange Company Circuit Identification**

Identifies the associated facility being disconnected.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for Information Exchange or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated facility does not appear in the RECCKT field on the service specific form or another ACI Form, the ACT field on the ASR Form is "D" and the first position of the REQTYP field on the ASR Form is "M" or "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

## **43. IP ADDRESS - Internet Protocol Address**

Identifies the Internet Protocol Version Address within the network interface device at a host or end user location for Ethernet based service.

**VALID ENTRIES:**

IPv4 address  
IPv6 address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for an IPv4 or IPv6 address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is “E” or “S”, ACT field on the ASR Form is “N” or “C”, and the SEI field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 39 alpha/numeric characters

**NOTE 1:** The example above is an IPv4 formatted address.

|2|0|3|1| : |0|0|0|0| : |1|3|0|F| : |1|2|3|4| :  
|0|0|0|0| : |0|9|C|0| : |8|7|6|A| : |1|3|0|B|

**NOTE 1:** The example above is a fully loaded IPv6 formatted address.

## **43. IP ADDRESS** - Internet Protocol Address (continued)

:|:|F|F|F|F| :|1|3|0|.|2|5|5|.|2|5|3|.|3|

A horizontal number line starting at 0 and ending at 10. There are eleven equally spaced tick marks along the line, labeled 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 from left to right.

**NOTE 1:** The example above is an IPv4 – mapped IPv6 formatted address.

**44. IPA1 - Internet Protocol Address Identifier**

Identifies the version of the Internet Protocol Address within the network interface device at a host or end user location for Ethernet based service.

**VALID ENTRIES:**

4 = IPv4  
6 = IPv6  
M = IPv4 – mapped IPv6

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IP ADDRESS field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:** 4

#### **45. SUBNET MASK - Subnet Mask**

Identifies the Subnet Mask associated to the Internet Protocol Version 4 (IPv4) Address within the network interface device at a host or end user location for Ethernet based service.

##### **VALID ENTRIES:**

Subnet Mask Address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for a Subnet Mask.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IP Address field is populated and the IPA1 field is “4” or “M”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |2|5|5|.|2|5|5|.|2|5|5|.|0|\_|\_

#### **46. ES – Egress Scheduler**

Specifies the level at which bandwidth and/or prioritization profiles will be applied, i.e., whether the port has a single or multiple (one per EVC) profile(s) applied.

**NOTE 1:** Use of this field is based on provider contracts and negotiations.

##### **VALID ENTRIES:**

S = Single (Per UNI/NNI Profile)  
M = Multiple (Per EVC Profile)

**NOTE 1:** For an entry of “S” the bandwidth is specified via the NC Code on the UNI/NNI request. All EVCs associated with this port have a single shared Egress Profile.

**NOTE 2:** For an entry of “M” the bandwidth is specified on the EVC request. All EVCs associated with this port have independent Egress Profiles.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is “E” or “S”, the ACT field on the ASR Form is “N” or “C”, and the SEI field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **47. PROFE – Profile Egress**

Identifies the profiles out of the provider's network which determine the prioritization or quality of service applied to individual frames.

**NOTE 1:** Valid entries within this field are based on provider contracts and negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated ES field is “S”, otherwise prohibited.

**DATA CHARACTERISTICS:** 30 alpha/numeric characters

**EXAMPLES:** | 6 | 0 | % | R | T | , | 8 | 0 | / | 0 | / | 1 | 0 | / | 0 | | |

||| ||| ||| ||| ||| ||| ||| ||| |||

| 3 | 0 | M | P | 1 | T | E | M | P | L

[View Details](#) | [Edit](#) | [Delete](#)

**D S C T**

#### **48. PROFI – Profile Ingress**

Identifies the profiles into the provider's network which determine the prioritization or quality of service applied to individual frames.

**NOTE 1:** Valid entries within this field are based on provider contracts and negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated ES field is “S”, otherwise prohibited.

**DATA CHARACTERISTICS:** 30 alpha/numeric characters

**EXAMPLES:** |6|0|%|R|T|,|8|0|/|0|/|1|0|/|0| | | |

| | | | | | |

|3|0|M| |P|2| |T|E|M|P|L|A|T|E| |8| |

|D|S|C|P| | | | | | |

**49. BUM – Broadcast, Unknown Unicast and Multicast Option**

Allows customer to request conditional handling of Broadcast, Unknown Unicast and Multicast service frames outside of the provider's specified throttling defaults for those providers who bill and/or provision at the port level.

**NOTE 1:** This option is related to Metro Ethernet Forum (MEF) Technical Specification MEF 10.3 regarding Broadcast Throttling.

**VALID ENTRIES:**

A = Add BUM Option  
D = Delete BUM Option

**NOTE 1:** Valid entry of "A" means the customer requests to specify a BUM bandwidth value in excess of provider defaults. This specification will take place at the time the EVC is ordered via the LOS and BDW fields within the LREF section.

**NOTE 2:** Valid entry of "D" means the customer requests to remove the BUM option and revert back to the provider's default limit. An EVC order will also be required to remove the specifications associated with the BUM option.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "E" or "S", the ACT field on the ASR Form is "N", "C", "T" or "M", and the SEI field on the ASR Form is populated otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**50. BI – Bundling Indicator**

Allows the customer to request that the UNI/NNI be capable of supporting CE-VLAN or All to One bundling.

**NOTE 1:** This option is related to Metro Ethernet Forum (MEF) Technical Specification MEF 10.3 regarding CE-VLAN or All to One bundling.

**VALID ENTRIES:**

A = Indicates All to One bundling Port based service

Y = Indicates CE-VLAN based services with bundling

**NOTE 1:** Valid entry of “Y” is a prerequisite to ensure bundling can be ordered at the EVC level. The details of which will be specified via the CE-VLAN fields and the NCI Code within the UNI Mapping Detail Section of the EVC Form.

**NOTE 2:** Valid entry of “Y” does not imply that all EVCs will have bundling enabled.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C” and the SEI field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 51. **DIVCKT** – Diverse Circuit ID

Identifies the existing circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the DIVCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the DIVCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

### **VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.4.

**51. DIVCKT - Diverse Circuit ID (continued)**

**VALID ENTRIES (continued):**

**NOTE 1:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** A2/LBFS/032719/001/NY

2. COMMON LANGUAGE Facility Codes – (CLFI Codes) as defined by ANSI ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE BR-795-450-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.5.

**NOTE 1:** Either Location A or Z must be 11 characters.

**NOTE 2:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Required when the DIVPON field is blank and the DIVPON or DIVCKT field on the Transport or EUSA Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**52. DIVPON – Diverse Purchase Order Number**

Identifies the PON for a new circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR form is "N", the DIVCKT field is blank, and the DIVPON or DIVCKT field on the Transport or EUSA Form is populated, otherwise prohibited

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** | 8 | 2 | 4 | Z | 9 | | | | | | | | | | | |

### 53. **UNI-MSFS – UNI Maximum Service Frame Size**

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

**NOTE 2:** This attribute may be specified by the provider as part of their product offering.

#### **VALID ENTRIES:**

UNI Maximum Frame Size Value (numeric value expressed in bytes)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**

		1		5		2		2	
--	--	---	--	---	--	---	--	---	--

**54. SM – Synchronous Mode**

Indicates if the bits transmitted from the provider network to the customer edge will need a clock reference based synchronous Ethernet UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specifications MEF 10.3.

**VALID ENTRIES:**

E = Enabled  
D = Disabled

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### 3.3 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Additional Circuit Information Request Form fields.

ACI FORM

Field Abbreviation	Field #	Field Name
ASG	40	Access Service Group
ASR NO	4	Access Service Request Number
BI	50	Bundling Indicator
BUM	49	Broadcast, Unknown Unicast and Multicast Option
CCEA	19	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
CFA	8	Connecting Facility Assignment
CFAU	11	CFA Use
CKR	5	Customer Circuit Reference
CKR1	13	Customer Circuit Reference (T1)
CKTACT	7	Circuit Activity
CPT	10	Channel Pair/Timeslot
CRO	41	Complete with Related Order
DIR	9	Directionality
DIVCKT	51	Diverse Circuit ID
DIVPON	52	Diverse Purchase Order Number
ECCKT	30	Exchange Company Circuit ID
ER	29	S25C Exemption Reason
ES	46	Egress Scheduler
HBAN	12	High Capacity Channel Billing Account Number
IP ADDRESS	43	Internet Protocol Address
IPAI	44	Internet Protocol Address Identifier
JK CODE	20	Jack Code (SECLOC)
JK CODE	33	Jack Code (PRILOC)
JK NUM	22	Jack Number (SECLOC)
JK POS	23	Jack Position (SECLOC)
JS	24	Jack Status (SECLOC)
JS	35	Jack Status (PRILOC)

ACI FORM

Field Abbreviation	Field #	Field Name
NHN	26	Non-Hunting Number
NHNI	25	Non-Hunt Number Indicator
PCA	34	Protective      Connecting      Arrangement (PRILOC)
PCA	21	Protective      Connecting      Arrangement (SECLOC)
PON	2	Purchase Order Number
PROFE	47	Profile Egress
PROFI	48	Profile Ingress
RECCKT	42	Related Exchange Company Circuit ID
REF NUM	6	Reference Number
RORD	27	Related Order Number
S25C	28	Surcharge Status Circuit
SCCEA	32	Secondary Cross Connect Equipment Assignment
SCFA	15	Secondary Connecting Facility Assignment
SCFAU	17	Secondary Connecting Facility Assignment Use
SDIR	16	Secondary Directionality
SM	54	Synchronous Mode
SMJK	38	Smart Jack (PRILOC)
SMJK	39	Smart Jack (SECLOC)
SUBNET MASK	45	Subnet Mask
TCIC	18	Trunk Circuit Identification Code
TSP	14	Telecommunications Service Priority
TRN	31	Trunk Number
UNI-MSFS	53	UNI Maximum Service Frame Size
VER	3	Version Identification
WACD1	36	Work Authorization Circuit Detail 1
WACD2	37	Work Authorization Circuit Detail 2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM NUMBERED

(Insert Your Company Logo Here)

### Additional Circuit Information

V50  
03/15

<b>Administrative</b>	CCNA	PON	VER	ASR NO																		
	[1]	[2]	[3]	[4]																		
<b>Circuit Details</b>	CKR											REF NUM										
	[5]											[6]										
CKTACT	CFA											DIR	CPT	CFAU								
[7]	[8]											[9]	[10]	-	[11]							
HBAN	CKR1											TSP										
[12]	[13]											[14]										
SCFA											SDIR	SCFAU	TCIC									
[15]											[16]	[17]	[18]	-	[19]							
CCEA																						
JK CODE	PCA	JK NUM	JK POS	JS	NHNI	NHN	RORD		S25C		ER											
[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]			[28]	[29]											
ECCKT											TRN											
[30]											[31]	-										
SCCEA																						
[32]																						
JK CODE	PCA	JS	WACD1																			
[33]	[34]	[35]	[36]																			
WACD2											SMJK	SMJK	ASG	CRO								
[37]											[38]	[39]	[40]	[41]								
CRO	RECKT																					
[41]	[42]																					
IP ADDRESS											IPAI	SUBNET MASK										
[43]											[44]	[45]										
ES PROFE											PROFI											
[46]	[47]											[48]										
DIVCKT											DIVPON	UNI-MSFS		SM								
[51]											[52]	[53]		[54]	[49]	[50]						

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM CAMERA READY

(Insert Your Company Logo Here)

### Additional Circuit Information

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO														
Circuit Details		CKR											REF NUM						
CKTACT	CFA															DIR	CPT		CFAU
HBAN		CKR1															TSP		
SCFA																SDIR	SCFAU	TCIC	
CCEA																			
JK CODE	PCA	JK NUM	JK POS	JS	NHNI	NHN	RORD							S25C	ER				
ECCKT																TRN			
SCCEA																			
JK CODE	PCA	JS	WACD1																
WACD2														SMJK	SMJK	ASG	CRO		
CRO		RECKT																	
IP ADDRESS														IPAI	SUBNET MASK				
ES	PROFE		PROFI														BUM	BI	
DIVCKT				DIVPON										UNI-MSFS	SM				

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404008-0050**

**Switched Ethernet Services (SES)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404008-0050  
Switched Ethernet Services (SES) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at < <http://www.atis.org> >.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>."

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

## SWITCHED ETHERNET SERVICES REQUEST FORM PREPARATION GUIDE

### TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	3-1
2. SES FORM REQUEST DESCRIPTION	4-1
3. SWITCHED ETHERNET SERVICES (SES) FORM ENTRIES	5-1
3.1 ADMINISTRATIVE SECTION	5-2
3.2 CIRCUIT DETAIL SECTION	5-6
3.3 LOCATION SECTION	5-28
3.4 ALPHA/NUMERIC GLOSSARY	5-43
4. SWITCHED ETHERNET SERVICES REQUEST FORM NUMBERED	6-1
5. SWITCHED ETHERNET SERVICES REQUEST FORM CAMERA READY	7-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. GENERAL**

- 1.1. This guide describes the Switched Ethernet Services (SES) Form entries. The SES Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the SES Form are provided by the customer. The customer is defined as the individual or organization ordering the access service.
- 1.2. This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.
- 1.3. The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.
- 1.4. Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.
- 1.5. Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.
- 1.6. Circuit activity pertaining to the service address location requires the use of the Service Address Location Information (SALI) Form if the customer location is an end user.
- 1.7. This form is presented when the customer populates the SEI field on the ASR Form.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, NC/NCI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### **4. SES FORM REQUEST DESCRIPTION**

- 2.1 This form is used to order the User Network Interface (UNI)/ External Network to Network Interface (ENNI) portion of a Switched Ethernet service. An EVC Form (Practice 016) would be used to specify the virtual connection (EVC/OVC) portion of a Switched Ethernet service.
- 2.2 A UNI/ENNI connection is ordered from a customer location to the provider edge device. The customer location can be either an End User location as identified on the SALI Form or an Access location as identified in the ACTL field on the ASR Form.
- 2.3. The form contains the following Sections:
  - Administrative Section
  - Circuit Detail Section
  - Location Section
- 2.4. This Switched Ethernet Services (SES) Form and the Transport Form are mutually exclusive for the life of the ASR.
- 2.5. This Switched Ethernet Services (SES) Form and the End User Special Access (EUSA) Form are mutually exclusive for the life of the ASR.

## **5. SWITCHED ETHERNET SERVICES (SES) FORM ENTRIES**

The SES Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 – 3.3. Section 3.4 contains an alphabetic listing of the SES fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** [U|T|C]

**2. PON - Purchase Order Number**

Identifies the customer's or end user's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

### **3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by a provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3		1		2		3		4		5		6		7		8		9		0		1						
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--	--	--	--

### 3.2 CIRCUIT DETAIL SECTION

#### 5. NC - Network Channel Code

Identifies the network channel code for the connections related to the UNI/ENNI involved. A UNI/ENNI connection is assigned a circuit(s) ID. The network channel code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

#### VALID ENTRIES:

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" "C", or "M", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |K|Q|-|-|

## 6. NCI - Network Channel Interface Code

Identifies the interface characteristics on the customer/end user location side of the UNI/ENNI connection.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System. The Network Channel Code consists of the following elements:

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, “C”, or “M”, otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLE:** |0|4|L|N|9|.|1|0|T| | | |

## 7. **SECNCI** - Secondary Network Channel Interface Code

Identifies the interface characteristics on the provider side of the UNI/ENNI connection.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C", or "M", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLE:** 0|4|C|X|9|. |1|C|T| | |

## 8. **SR** - Special Routing Code

Identifies the type of special routing requested.

**NOTE 1:** The provider may originate a telephone contact with the customer to ascertain the exact routing requirements.

### **VALID ENTRIES:**

#### 1<sup>st</sup> Character - Primary Location

- A = Cable only
- B = Diversity
- C = Disaster Recovery
- D = Route other than normal
- E = Self-Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at Primary Location
- L = Unprotected Transport
- M = Diversity and Alternate Wire Center
- N = N/A
- X = Provider-Engineered/Custom

#### 2<sup>nd</sup> Character - Interoffice Facility

- 1 = Avoidance
- 2 = Diversity
- 3 = Avoidance and Diversity
- 4 = Self Healing Interoffice Facilities
- 5 = Special Routing for Interoffice Facilities
- 6 = Route other than normal
- 7 = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

## 8. SR - Special Routing Code (continued)

### VALID ENTRIES Continued:

#### 3<sup>rd</sup> Character - Secondary Location

- A = Cable only
- B = Diversity
- C = Disaster Recovery
- D = Self-Healing Loop
- E = Route other than normal
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at Secondary Location
- L = Unprotected Transport
- M = Diversity and Alternate Wire Center
- N = N/A
- X = Provider-Engineered/Custom

**NOTE 1:** Valid entries are based on provider tariffs/practices.

**NOTE 2:** Use of Valid Entry "X" requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "M" or "D", otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |A|1|A|

## 9. **SBDW** – Supplemental Bandwidth

Identifies a bandwidth value that differs from the amount expressed by the value in the NC Code where an additional, supplemental bandwidth needs to be specified for a switched Ethernet request.

**NOTE 1:** When this field is used for bursting, the value(s) may be overridden when providing a value in the EIR field on the EVC Form for the associated RUID that references this port.

### **VALID ENTRIES:**

Bandwidth specified = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “D”, otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

1	G						
---	---	--	--	--	--	--	--

1	0	.	8	0	8	M	
---	---	---	---	---	---	---	--

1	0	0	/	2	0	0	M
---	---	---	---	---	---	---	---

**NOTE 1:** The example above indicates an up/down asynchronous speed on a Hybrid Fiber Coax (HFC) network.

## **10. BUM – Broadcast, Unknown Unicast and Multicast Option**

Allows customer to request conditional handling of Broadcast, Unknown Unicast and Multicast service frames outside of the provider's specified throttling defaults for those providers who bill and/or provision at the port level.

### **VALID ENTRIES:**

A = Add BUM Option  
D = Delete BUM Option

**NOTE 1:** Valid entry of "A" means the customer requests to specify a BUM bandwidth value in excess of provider defaults. This specification will take place at the time the EVC is ordered via the LOS and BDW fields within the LREF section.

**NOTE 2:** Valid entry of "D" means the customer requests to remove the BUM option and revert back to the provider's default limit. An EVC order will also be required to remove the specifications associated with the BUM option.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C", or "M", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## 11. BI – Bundling Indicator

Allows the customer to request that the UNI/ENNI be capable of supporting CE-VLAN or All to One bundling.

**NOTE 1:** This option is related to Metro Ethernet Forum (MEF) Technical Specification MEF 10.3 regarding CE-VLAN or All to One bundling.

### **VALID ENTRIES:**

A = Indicates All to One bundling Port based service  
Y = Indicates a CE-VLAN based service with bundling.

**NOTE 1:** Valid entry of “Y” is a prerequisite to ensure bundling can be ordered at the EVC level. The details of which will be specified via the CE-VLAN fields and the NCI Code within the UNI Mapping Detail Section of the EVC Form.

**NOTE 2:** Valid entry of “Y” does not imply that all EVCs will have bundling enabled.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 12. **ES** – Egress Scheduler

Specifies the level at which bandwidth and/or prioritization profiles will be applied, i.e., whether the port has a single or multiple (one per EVC) profile(s) applied

**NOTE 1:** Use of this field is based on provider contracts and negotiations.

### **VALID ENTRIES:**

S = Single (Per UNI/ENNI Profile)

M = Multiple (Per EVC/OVC Profile)

**NOTE 1:** For an entry of “S” the bandwidth is specified via the NC Code on the UNI/ENNI request. All EVCs/OVCs associated with this port have a single shared Egress Profile.

**NOTE 2:** For an entry of “M” the bandwidth is specified on the EVC/OVC request. All EVCs/OVCs associated with this port have independent Egress Profiles.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N”, or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |S|

### **13. HVP - High Voltage Protection**

Indicates the requirement for high voltage protection at a point of termination.

#### **VALID ENTRIES:**

R = Remove  
Y = Required

**NOTE 1:** When the valid entry is "Y", the provider will contact the customer for the necessary detail.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "D", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **14. PROFE – Profile Egress**

Identifies the profiles out of the provider's network which determine the prioritization or quality of service applied to individual frames.

**NOTE 1:** Valid entries within this field are based on provider contracts and negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ES field is “S”, otherwise prohibited.

**DATA CHARACTERISTICS:** 30 alpha/numeric characters

**EXAMPLES:** |6|0|%|R|T|,|8|0|/|0|/|1|0|/|0| | | |

| | | | | | | | | | | |

|3|0|M| P|1| T|E|M|P|L|A|T|E| |8| |

|D|S|C|P| | | | | | |

## 15. **PROFI** – Profile Ingress

Identifies the profiles into the provider's network which determine the prioritization or quality of service applied to individual frame.

**NOTE 1:** Valid entries within this field are based on provider contracts and negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ES field is “S”, otherwise prohibited.

**DATA CHARACTERISTICS:** 30 alpha/numeric characters

**EXAMPLES:** |6|0|%|R|T|,|8|0|/|0|/|1|0|/|0| | | |

| | | | | | | | | | | |

|3|0|M| P|2| T|E|M|P|L|A|T|E| |8| |

|D|S|C|P| | | | | | |

## **16. LAG-ID - Link Aggregation Group ID**

Specifies an existing provider-assigned circuit ID which represents a Link Aggregation Group.

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

### **VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format

**NOTE 1:** This format is defined in ANSI T1.266 (ATIS-0326600.2005), Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LAG field on the ASR Form is “E”, otherwise prohibited.

**DATA CHARACTERISTICS:** 24 alpha/numeric characters

**EXAMPLE:** |5|2| / |A|B|C|D| / |1|2|3|4|5|6| / | | / |X|X|



## 17. **LAG-P** - Link Aggregation Group Protection

Identifies the protection functionality requested for a Link Aggregation Group (LAG).

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

### **VALID ENTRIES:**

AA = All links are in active mode  
AS = A mixture of active and standby links

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LAG field on the ASR Form is “E” or “N” and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** A|A

## 18. L2CPP – Layer Two Control Protocol Peering

Identifies a set of peering protocols that are used for various control purposes that allow the Ethernet network to effectively process information for subscribers who choose to deploy 802.1Q bridges.

**NOTE 1:** As an L2CP Frame is received on an external interface (UNI) there are three actions that can be specified.

- Peer
- Discard
- Pass

**NOTE 2:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 45.

### VALID ENTRIES:

- A = Link Aggregation Control/Marker Protocol (LACP)
- B = 802.3 Operations, Administration, and Maintenance (Link-OAM)
- C = Ethernet Synchronization Messaging Channel (ESMC)
- D = Precision Time Protocol Peer-Delay (PTP)
- E = Ethernet Local Management Interface (E-LMI)
- F = Link Layer Discovery Protocol (LLDP)
- G = Virtual Station Interface Discovery and Configuration Protocol (VDP)
- H = Port-Based Network Access Control
- J = 802.3 MAC Control: PAUSE
- K = 802.3 MAC Control: Priority Flow Control (PFC)
- L = 802.3 MAC Control: Multipoint MAC Control
- M = 802.3 MAC Control: Vendor Extensions
- N = Rapid/Multiple Spanning Tree Protocol (RSTP/MSTP)
- P = Shortest Path Bridging (SPB)
- Q = Multiple MAC Registration Protocol (MMRP)
- R = Multiple VLAN Registration Protocol (MVRP)
- S = Multiple Stream Registration Protocol (MSRP)
- T = Multiple ISID Registration Protocol (MIRP)

## **18. L2CPP – Layer Two Control Protocol Peering (continued)**

**NOTE 1:** Multiple values are permitted.

**NOTE 2:** The customer should populate the appropriate character to indicate which protocols are applicable for peering.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha characters

**EXAMPLES:**

A	F	H	J	K																					
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

T																								
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

A	P																							
---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

## **19. L2CP-ADDR – Layer Two Control Protocol Address Set**

Identifies the discard/pass action for all non-peered layer two control protocols.

### **VALID ENTRIES:**

CTA = C-VLAN Tag Aware  
CTB = C-VLAN Tag Blind  
CTB-2 = C-VLAN Tag Blind Option 2

**NOTE 1:** Valid entry of “CTA” is associated with EVPL and EVP-LAN UNI members.

**NOTE 2:** Valid entry of “CTB” is associated with EPL and EP-LAN UNI members.

**NOTE 3:** Valid entry of “CTB-2” is associated with EPL UNI members.

**NOTE 4:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 45.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLES:** |C|T|A| | |

|C|T|B| - |2|

## **20. UNI-MSFS – UNI Maximum Service Frame Size**

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

**NOTE 2:** This attribute may be specified by the provider as part of their product offering.

### **VALID ENTRIES:**

UNI Maximum Frame Size Value (numeric value expressed in bytes)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**   | 1 | 5 | 2 | 2 |

## **21. SM – Synchronous Mode**

Indicates if the bits transmitted from the provider network to the customer edge will need a clock reference based synchronous Ethernet UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

### **VALID ENTRIES:**

E = Enabled  
D = Disabled

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **22. DIVCKT – Diverse Circuit ID**

Identifies the existing circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the DIVCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the DIVCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** The format and structure of the field is defined by ANSI standards.

**NOTE 6:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

### **VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.4.

## **22. DIVCKT - Diverse Circuit ID (continued)**

## **VALID ENTRIES Continued:**

**NOTE 1:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** A2/LBFS/032719/001/NY

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is “P”.

**NOTE 2:** Prohibited when the LAG field on the ASR Form is “N”.

**NOTE 3:** Prohibited when the DIVPON field is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLE:** |A|2| / |L|B|F|S| / |0|3|2|7|1|9| / |0|0|1| / |N|

|Y| | | | | | | | | | | | | |

### **23. DIVPON – Diverse Purchase Order Number**

Identifies the PON for a new circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is “C”, “D”, “M”, or “R”.

**NOTE 2:** Prohibited when the LAG field on the ASR Form is “N”.

**NOTE 3:** Prohibited when the DIVCKT field is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

### **3.3 LOCATION SECTION**

## **24. CCEA - Cross Connect Equipment Assignment**

Identifies the physical point of termination at a collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the CCEA field is populated, the information will identify the tie-down assignment at the ACTL.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the REQTYP field on the ASR Form is "E", otherwise optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|  
|1|0| / |O|K|L|D|C|A|0|3| / |O|K|L|D|C|A|0|3|  
| | | | | | | | | | | | | | | |

## **25. GETO - General Exchange Tariff Options Code**

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) in conjunction with the switched Ethernet service.

### **VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent.
- E = Provide inside wiring and bill the end user agent.
- N = Terminate in a location other than normal (extend the point of termination using house cable, etc.) at the end user premises.
- O = Other
- P = Wire only with existing access service and bill end user directly.
- R = Referral for inside wiring (provider to negotiate with the end user).
- S = Provide inside wire repair plan and bill the customer.
- T = Provide inside wire repair plan and bill the end user.
- U = Provide inside wiring and repair plan and bill the customer.
- V = Provide inside wiring and repair plan and bill the end user.
- W = Provide inside wiring and bill the customer.
- Y = Provide inside wiring and bill end user directly.
- Z = Provide inside wiring and repair plan and bill the end user agent.

**NOTE 1:** Inside wiring may be provided in provider Intrastate tariffs or in an unregulated environment.

**25. GETO - General Exchange Tariff Options Code (continued)**

**NOTE 2:** When the GETO field is “N”, the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is “O”, specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than “N”, “S”, “U” or “W”, the GCON field must be populated.

**NOTE 5:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** R

**26. GBTN - General Exchange Tariff Options Billing Telephone Number**

Identifies the billing telephone number for charges associated with options listed in the GETO (e.g., inside wire time and material charges).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO field is “A”, “E”, “S”, “T”, “U”, “V”, “W”, “Y”, “Z” or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|3|0|0|

**27. GCON - GETO Contact Name**

Identifies the name of the person to be contacted for additional information regarding GETO options.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO field is “A”, “E”, “O”, “P”, “R”, “T”, “V”, “Y”, or “Z” and the entry in this field is different than the BILLCON field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** |T|O|M| |J|O|N|E|S| | | | |

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**28. GTEL – General Exchange Tariff Options Contact Telephone Number**

Identifies the telephone number of the person named in the GCON field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|

## **29. IP ADDRESS** - Internet Protocol Address

Identifies the Internet Protocol Version Address within the network interface device at a host or end user location for Ethernet based service.

**VALID ENTRIES:**

IPv4 address  
IPv6 address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for an IPv4 or IPv6 address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 39 alpha/numeric characters

**EXAMPLES:** | 1|3|0| . |2|5|5| . |2|5|3| . |3|0| | | | |

**NOTE 1:** The example above is an IPv4 formatted address.

|2|0|3|1| : |0|0|0|0| : |1|3|0|F| : |1|2|3|4| :  
|0|0|0|0| : |0|9|C|0| : |8|7|6|A| : |1|3|0|B|

**NOTE 1:** The example above is a fully loaded IPv6 formatted address.

**29. IP ADDRESS** - Internet Protocol Address (continued)

[ : ] : [ F | F | F | F ] : [ 1 | 3 | 0 ] . [ 2 | 5 | 5 ] . [ 2 | 5 | 3 ] . [ 3 ]  
[ 0 | ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

**NOTE 1:** The example above is an IPv4 – mapped IPv6 formatted address.

**30. IPA1 - Internet Protocol Address Identifier**

Identifies the version of the Internet Protocol Address within the network interface device at a host or end user location for Ethernet based service.

**VALID ENTRIES:**

4 = IPv4  
6 = IPv6  
M = IPv4 – mapped IPv6

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IP ADDRESS field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:**

### **31. SUBNET MASK - Subnet Mask**

Identifies the Subnet Mask associated to the Internet Protocol Version 4 (IPv4) Address within the network interface device at a host or end user location for Ethernet based service.

#### **VALID ENTRIES:**

Subnet Mask Address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for a Subnet Mask.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IP Address field is populated and the IPAI field is “4” or “M”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |2|5|5| . |2|5|5| . |2|5|5| . |0| | |

## 32. **ESP – Ethernet Service Point**

Identifies the Ethernet switching point, terminating equipment or terminating location, in CLLI code format, at the UNI/ENNI termination.

**NOTE 1:** When the ACT field on the ASR form is populated with “N”, ESP may be populated with the customer’s preferred switch location or left blank. The provider will determine the applicable switch location and provide the switch CLLI Code on the Confirmation Notice (CN).

**NOTE 2:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**32. ESP – Ethernet Service Point (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**VALID ENTRIES:**

Valid Ethernet Switching CLLI

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** The use of an 8 character CLLI code is based on customer provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when the ACT field on the ASR Form is “C” or “M”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [M|I|L|N|T|N|M|A|6|8|6]

[M|I|L|N|T|N|M|A| | | ]

**33. OTC - Other Exchange Company**

Identifies the provider responsible for delivery of the terminating location in a multi provider service arrangement.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**VALID ENTRIES:**

- **COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.
- **COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.
- **Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**33. OTC - Other Exchange Company (continued)**

**NOTE 1:** Required when the ASC-EC field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

**34. REMARKS -Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:**

D	I	S	C		O	F		F		I	R	S	T		C	I	R	C	U	I
T		I	N		G	R	O	U	P											

### 3.4 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the Switched Ethernet Services Form fields.

#### SES FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
BI	11	Bundling Indicator
BUM	10	Broadcast, Unknown Unicast and Multicast Option
CCNA	1	Customer Carrier Name Abbreviation
CCEA	24	Cross Connect Equipment Assignment
DIVCKT	22	Diverse Circuit ID
DIVPON	23	Diverse Purchase Order Number
ES	12	Egress Scheduler
ESP	32	Ethernet Service Point
GBTN	26	General Exchange Tariff Options Billing Telephone Number
GCON	27	GETO Contact Name
GETO	25	General Exchange Tariff Options Code
GTEL	28	General Exchange Tariff Options Contact Telephone Number
HVP	13	High Voltage Protection
IP ADDRESS	29	Internet Protocol Address
IPAI	30	Internet Protocol Address Identifier
L2CPP	18	Layer Two Control Protocol Peering
L2CP-ADDR	19	Layer Two Control Protocol Address Set
LAG-ID	16	Link Aggregation Group ID
LAG-P	17	Link Aggregation Group Protection
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
OTC	33	Other Exchange Company
PON	2	Purchase Order Number
PROFE	14	Profile Egress
PROFI	15	Profile Ingress
REMARKS	34	Remarks
SBDW	9	Supplemental Bandwidth
SECNCI	7	Secondary Network Channel Interface Code
SM	21	Synchronous Mode
SR	8	Special Routing Code

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
SUBNET MASK	31	Subnet Mask
UNI-MSFS	20	UNI Maximum Service Frame Size
VER	3	Version Identification

ATIS-0404008-0050

---

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 6. SWITCHED ETHERNET SERVICES REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

### Switched Ethernet Services Request

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

#### Circuit Detail Section

NC	NCI	SECNCI	SR	SBDW	BUM	BI	ES	HVP															
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
PROFE				PROFI																			
LAG-ID				LAG-P L2CPP				L2CP-ADDR				UNI-MSFS				SM							
16				17 18				19				20				21							
DIVCKT				DIVPON																			

#### Location Section

CCEA																									
24	25	26	27	28	29	30	31																		
GEO	GBIN	GCON		GTEL		IPAI		SUBNET MASK																	
26	-	-	27	-	28	-	30	31																	
IP ADDRESS		OTC		ESP		32		33																	

#### REMARKS

34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323	80324	80325	80326	80327	80328	80329	80330	80331	80332	80333	80334	80335	80336	80337	80338	80339	80340	80341	80342	80343	80344	80345	80346	80347	80348	80349	80350	80351	80352	80353	80354	80355	80356	80357	80358	80359	80360	80361	80362	80363	80364	80365	80366	80367	80368	80369	80370	80371	80372	80373	80374	80375	80376	80377	80378	80379	80380	80381	80382	80383	80384	80385	80386	80387	80388	80389	80390	80391	80392	80393	80394	80395	80396	80397	80398	80399	80400	80401	80402	80403	80404	80405	804
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-----

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 7. SWITCHED ETHERNET SERVICES REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

### Switched Ethernet Services Request

V50  
03/15

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO											
<b>Circuit Detail Section</b>		NC	NCI	SECNCI	SR	SBDW	BUM	BI	ES	HVP						
PROFE				PROFI												
LAG-ID				LAG-P	L2CPP	L2CP-ADDR				UNI-MSFS	SM					
DIV/CKT				DIV/PON												
<b>Location Section</b>																
CCEA																
GETO	GBTN	GCON		GTEL												
<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>			
IP ADDRESS				IPA1	SUBNET MASK											
ESP	OTC															
<b>REMARKS</b>																
<input type="checkbox"/> <input type="checkbox"/>																

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)



ATIS STANDARD

**ATIS-0404009-0050**

**Open Billing (OB) Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404009-0050  
Open Billing (OB) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

OPEN BILLING FORM (OB)  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. OPEN BILLING FORM (OB) DESCRIPTION	2-1
3. OPEN BILLING (OB) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 OPEN BILLING SECTION	3-17
3.3 ALPHA/NUMERIC GLOSSARY	3-41
4. OPEN BILLING FORM NUMBERED	4-1
5. OPEN BILLING FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Open Billing Form entries. The Open Billing Form must always be associated with a Confirmation Notice Form (CN) which contains provider detail for the provisioning of WATS Access Lines.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. OPEN BILLING FORM (OB) DESCRIPTION**

2.1 This guideline describes the Open Billing (OB) Form. The OB Form is prepared by the provider and is forwarded to the customer. This form provides the customer with information associated with the customer's WATS request for service. The information is required so that the customer may then interact with the provider to initiate a billing order.

The form is divided into three sections: Administrative, Open Billing and Remarks. The Administrative Section carries essentially the same header type information that appears on the other Access Service Request forms. The exception in the Administrative Section is the Miscellaneous Account Number (MAN) field. This field identifies the local CRIS account for the end user to whom the WATS usage charges will be billed. The use of the field is optional since some providers may use other mechanisms to forward this information to the customer (e.g., verbally prior to submission of the ASR).

The Open Billing Section is used to correlate circuits with groups and with recording machinery and test access numbers. The first line of this section contains the simulated facility group (SFG), group size (GSZ), WATS recording office (WRO), the screening telephone number (STN) and the dial tone office (DTO) that serves the access line. All of these elements are related to a group and are only needed at the group level (i.e., they are the same for all the lines in the group). The next four lines are repetitive (i.e., they collectively describe one circuit in the group and are repeated for each circuit in the group). The first two lines ECCKT and CKR are the provider circuit identification of the line and the corresponding customer circuit identification of the same line. The next line shows the register and clock assignments for this circuit. The line shows three sets of register (RGN) and clock (CLN) assignments. The only time there could be three such assignments would be in an electro-mechanical office (non-ESS) when three different recording devices would be needed to record usage for different time periods (morning, evening, weekends). The overflow register (OFN) is only assigned to the last circuit in the group. Finally, the fourth line shows the recording telephone number (RTN), plant test number (PTN) assigned to this circuit, multi-line hunt group number (HML), terminal number (TER), multi-line non-hunt group number (MLG), series hunt indicator (HTG) and special intercept arrangement (SIA).

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. OPEN BILLING (OB) FORM ENTRIES**

The Open Billing Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the OB Form fields cross-referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider's mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This ASR NO field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when the PON field is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|3|A|1|2|3|4|5|6| | | | | | | |

**2. ICSC - Interexchange Customer Service Center**

Identifies the provider Service Center issuing the form to the customer.

**NOTE 1:** The first two characters identify the provider. The third and fourth characters are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC code will be supplied and periodically updated by the providers to the customers. The provider will also supply guidelines for choosing the appropriate ICSC code.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:**

P	T	0	2
---	---	---	---

**3. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

**VALID ENTRIES:**

IAC Code  
CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

#### **4. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:**    | 2 | 4 | Z | 9 |    |    |    |    |    |    |    |    |

**5. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This VER field entry MUST be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

## 6. **D/TSENT** - Date and Time Sent

Identifies the date and time that this form is sent to the customer.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)
Two Digit Hour (01-12)	Two Digit Hour (01-12)
Two Digit Minute (00-59)	Two Digit Minute (00-59)
AM or PM	AM or PM

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters  
(including 3 hyphens)

**EXAMPLES:** |0|5|-|2|2|-|1|9|8|5|-|1|1|1|5|A|M

|1|9|8|5|-|0|5|-|2|2|-|1|1|1|5|A|M

## 7. **PROJECT** - Project Identification

Identifies the project to which the request is to be associated.

**NOTE 1:** Use of this field includes: relating multiple ASRs, previously negotiated orders, etc.

**NOTE 2:** The provider may initiate the project identification and provide this to the customer who will populate the field when submitting additional and/or supplement ASR Forms associated with this project.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |M|5|7|1|2|3|4|5| | | | | | | | |

## **8. ORD - Order Number**

Identifies the provider service order number for the requested WATS Access Line.

**NOTE 1:** The first character is an alpha character denoting the type of order, e.g., “N”, “C”, “R”, “D”, etc.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** C 8 6 0 2 4 1 6 | | | | | | | | | | | | | | | |

**9. MAN - Miscellaneous Account Number**

Identifies the end user CRIS billing account to which the usage charges for the WATS Access Lines are to be billed.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1| - |3|5|8|7|

## 10. EUCON - End User Contact

Identifies the name of the person to be contacted for additional end user information (including billing data) for non-tariff or secondary tariff options, or combinations of options to be provided in conjunction with this request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EUCON field on the WAL Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

T	O	M		J	O	N	E	S																
---	---	---	--	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**11. EUTEL - End User Telephone Number**

Identifies the telephone number of the end user contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EUCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 hyphens)

**EXAMPLE:** **[2|0|1] - [9|8|8] - [7|6|2|3] - [1|0|1|2]**

## **12. SSWC - SECLOC Serving Wire Center**

Identifies the CLLI Code of the serving central office of the end user.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300): Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** A|T|L|N|G|A|C|X|D|S|0

**13. FSO - Foreign Switching Office**

Identifies the NPA/NXX of the WATS switching office.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the WATS serving office is other than the end user serving office, otherwise optional.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:**

2	1	2	3	4	4
---	---	---	---	---	---

**14. REP - Provider Contact**

Identifies the provider employee handling this service request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:**

J	O	H	N		J		S	M	I	T	H			
---	---	---	---	--	---	--	---	---	---	---	---	--	--	--

**15. REP TEL - Provider Contact Telephone Number**

Identifies the telephone number of the provider employee handling this service request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|2|0|1| - |9|8|1| - |3|5|8|7|**

### **3.2 OPEN BILLING SECTION**

#### **16. SFG - Simulated Facility Group Number**

Identifies the simulated facilities group number, and may also indicate the group number that is associated with a line register.

**NOTE 1:** The first character identifies the group indicator.

**NOTE 2:** The following five characters identify either the group number or a range of group numbers.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited on requests with DMS or electro-mechanical WATS serving offices, otherwise required.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** A222

**17. GSZ - Group Size**

Identifies the limit of an ESS Simulated Facility Group (SFG) or Customer Facility Group (CFG).

**VALID ENTRIES:**

1 - 511

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**   5|1|0

**18. WRO - WATS Recording Office**

Identifies the switching machine that provides Automatic Message Accounting (AMA) recording for terminating service.

**NOTE 1:** The first three characters identify the NPA (numeric plan area) number.

**NOTE 2:** The last three characters are either the central office unit number or the toll tandem screening office number.

**NOTE 3:** The central office unit and the toll tandem screening office subfields are mutually exclusive.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 7 numeric characters (including 1 preprinted hyphen)

**EXAMPLE:** |2|0|1|-|P|C|R|

**19. STN - Screening Telephone Number**

Identifies the telephone number assigned in some offices, (e.g., 1/1A ESS) to provide special call routing and/or billing arrangements.

**USAGE:** This field is conditional.

**NOTE 1:** Required for terminating service.

**NOTE 2:** Required for originating service when the CTX TEL field on the WAL Form is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 6|9|9 - 5|3|1|1

## **20. DTO - Dial Tone Office**

Identifies the CLLI Code for the WATS serving office for this WATS Access Line(s).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253 (ATIS-0325300): Identification of Location Entities for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.1.

### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/ numeric characters

**EXAMPLE:** |S|N|F|C|C|A|2|1|C|G|0|

## **21. ECCKT - Exchange Company Circuit ID**

Identifies a provider circuit ID or multiple circuit IDs.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the ECCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the ECCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** Use of ranging is based on customer/provider negotiations. Ranges should be shown within the appropriate component of the ID by specifying the lowest value of the component, hyphen, highest value of the component, e.g., trunk numbers 3500 through 3512 would be shown as 3500-3512.

**NOTE 6:** When disconnecting all circuits in a given account, "ALL" should be entered in this field, the BAN field populated, and the ACT field should contain a "D".

**NOTE 7:** The format and structure of the field is defined by ANSI standards.

**21. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Telephone Number Format as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ATIS-0404000, Section 2.14.3.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 53 alpha/ numeric characters

**EXAMPLES:** |A|2| / |S|E|G|S| / |2|0|1| / |9|8|1| / |3|5|0|0|

| | | | | | | | | | | | | | | |

|A|2| / |S|E|G|S| / |2|0|1| / |9|8|1| / |3|5|0|0

-|3|5|0|7| | | | | | | | | | | | |

**NOTE 1:** The second example indicates the proper format for ranging line numbers.

**22. SFN - Simulated Facility Number**

Identifies an access line when there is no physical loop associated with the line.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## **23. CKR - Customer Circuit Reference**

Identifies the circuit number or range of circuit numbers being used by the customer.

**NOTE 1:** CKR is used by the customer as a cross reference to the provider's circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CKR field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** | L | 0 | 0 | 0 | 2 | - | 0 | 0 | 2 | 4 | | | | | | | | | |

**24. RGN-1 - Register Number 1**

Identifies a register number associated with a line when measured service is provided.

**NOTE 1:** Used to accommodate minutes of use for the WATS and access lines.

**NOTE 2:** In electro-mechanical switching systems, 3 registers are utilized to record usage for different time periods. RGN-1 records usage for the morning service (00:00-12:00 hrs).

**NOTE 3:** When used in Stored Program Control (SPC) switching systems, RGN-1 records all usage.

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise optional.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:**

6	1	3	5	0	
---	---	---	---	---	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**25. CLN-1 - Clock Register Number 1**

Identifies the clock timer number associated with the WATS access line.

**NOTE 1:** In electro-mechanical switching systems, 3 clock registers are utilized to record usage for different time periods. CLN-1 records usage for the morning service (00:00-12:00 hrs).

**NOTE 2:** When used in Stored Program Control (SPC) switching systems, CLN-1 records all usage.

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:** **|5|5|5|0|1|**

**26. OFN - Overflow Register Number**

Identifies the overflow register number associated with terminating service.

**NOTE 1:** When used in conjunction with multiple lines, OFN is only populated with the last line of the group.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:** 0|6|1|5|0

**27. RGN-2 – Register Number 2**

Identifies a register number associated with a line when measured service is provided.

**NOTE 1:** Used to accommodate minutes of use for the WATS and access lines.

**NOTE 2:** In electro-mechanical switching systems, 3 registers are utilized to record usage for different time periods. RGN-2 records usage for the afternoon and evening service (12:00-24:00 hrs).

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise optional.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:**

6	1	3	5	0	
---	---	---	---	---	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**28. CLN-2 - Clock Register Number 2**

Identifies the clock timer number associated with the WATS access line.

**NOTE 1:** In electro-mechanical switching systems, 3 clock registers are utilized to record usage for different time periods. CLN-2 records usage for the afternoon and evening service (12:00-24:00 hrs).

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**

5	5	5	0	1
---	---	---	---	---

**29. RGN-3 – Register Number 3**

Identifies a register number associated with a line when measured service is provided.

**NOTE 1:** Used to accommodate minutes of use for the WATS and access lines.

**NOTE 2:** In electro-mechanical switching systems, 3 registers are utilized to record usage for different time periods. RGN-3 records usage for the weekend.

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:**

6	1	3	5	0	
---	---	---	---	---	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**30. CLN-3 - Clock Register Number 3**

Identifies the clock timer number associated with the WATS access line.

**NOTE 1:** In electro-mechanical switching systems, 3 clock registers are utilized to record usage for different time periods. CLN-3 records usage for the weekend.

**USAGE:** This field is conditional.

**NOTE 1:** Required on requests with electro-mechanical WATS serving offices, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**

5	5	5	0	1
---	---	---	---	---

**31. RTN - Recording Telephone Number**

Indicates that a WATS Access Line has AMA recording capabilities with an associated telephone number (WATS recording telephone number) that appears on the AMA tape.

**NOTE 1:** This number is to be used only in those cases when the WATS recording telephone number is not the same as the WATS circuit number.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RTN is different than the ECCKT field and the CTX TEL field on the WAL Form is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** **|2|0|1| - |9|8|1| - |4|0|0|0|**

**32. PTN - Plant Test Number**

Identifies a plant test number that is pre-assigned when the telephone number assigned to a service cannot be used for testing purposes.

**NOTE 1:** Availability is based on the type of switching termination and the provider's practices.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 7 numeric characters (excluding 1 preprinted hyphen)

**EXAMPLE:** **|6|5|4| - |4|3|1|2|**

**33. HML - Hunting Multi-line Group Number**

Identifies the multi-line hunt group number in an ESS office required for switched access maintenance of terminating service.

**USAGE:** This field is conditional.

**NOTE 1:** Required for ESS multi-line hunt group and non-hunt groups, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**34. TER - Terminal Number**

Identifies a terminal number in an ESS multi-line hunt and non-hunt group required for switched access associated with terminating service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HML field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**35. MLG - Multi-line Non-Hunt Group Number**

Identifies a No. 1 ESS multi-line non-hunt group number.

**USAGE:** This field is conditional.

**NOTE 1:** Required for ESS non-hunt groups, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**36. HTG - Hunting Indicator**

Indicates the terminating service has hunting.

**VALID ENTRIES:**

M = Multi-line Hunting  
Y = Series Hunting

**NOTE 1:** A valid entry of "M" requires the HML and TER fields to be populated.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HNTYP field on the WAL Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**37. SIA - Special Intercept Arrangement**

Identifies the telephone number to be used for the terminating service requiring intercept.

**USAGE:** This field is conditional.

**NOTE 1:** Required for terminating service number changes when intercept is requested, otherwise optional.

**DATA CHARACTERISTICS:** 7 numeric characters (excluding 1 preprinted hyphen).

**EXAMPLE:** **|9|8|1| - |6|5|4|3|**

**38.      REMARKS - Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:** |D| I |S|C| |O|F| |F| I |R|S|T| |C|K|T| |I|N|

### **3.3 ALPHA/NUMERIC GLOSSARY**

The following list contains an alpha/numeric cross-reference glossary for the Open Billing Form.

#### OB FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	1	Access Service Request Number
CCNA	3	Customer Carrier Name Abbreviation
CKR	23	Customer Circuit Reference
CLN-1	25	Clock Register Number 1
CLN-2	28	Clock Register Number 2
CLN-3	30	Clock Register Number 3
DTO	20	Dial Tone Office
D/TSENT	6	Date and Time Sent
ECCKT	21	Exchange Company Circuit ID
EUCON	10	End User Contact
EUTEL	11	End User Telephone Number
FSO	13	Foreign Switching Office
GSZ	17	Group Size
HML	33	Hunting Multi-line Group Number
HTG	36	Hunting Indicator
ICSC	2	Interexchange Customer Service Center
MAN	9	Miscellaneous Account Number
MLG	35	Multi-line Non-Hunt Group Number
OFN	26	Overflow Register Number
ORD	8	Order Number
PON	4	Purchase Order Number
PROJECT	7	Project Identification
PTN	32	Plant Test Number
REMARKS	38	Remarks
REP	14	Provider Contact
REP TEL	15	Provider Contact Telephone Number
RGN-1	24	Register Number 1
RGN-2	27	Register Number 2
RGN-3	29	Register Number 3
RTN	31	Recording Telephone Number

OB FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
SFG	16	Simulated Facility Group Number
SFN	22	Simulated Facility Number
SIA	37	Special Intercept Arrangement
SSWC	12	SECLOC Serving Wire Center
STN	19	Screening Telephone Number
TER	34	Terminal Number
VER	5	Version Identification
WRO	18	WATS Recording Office

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. OPEN BILLING FORM NUMBERED**

(Insert Your Company Logo Here)

# Open Billing

V50  
03/15

## **Administrative Section**

ASR NO 1	ICSC 2	CCNA 3	PON 4	VER 5	D/TSENT 6
PROJECT 7	ORD 8		MAN 9		
EUCON 10		EUTEL 11	-	SSWC 12	FSO 13
REP 14	REP TEL 15	-	-		

## **Open Billing Section**

## **REMARKS**

3 | 8 |

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. OPEN BILLING FORM CAMERA READY

(Insert Your Company Logo Here)

# Open Billing

V50  
03/15

### Administrative Section

ASR NO	ICSC	CCNA	PON	VER	D/TSENT
PROJECT	ORD	MAN			
EUCON	EUTEL	SSWC			FSO
REP	REP TEL				

### Open Billing Section

SFG	GSZ	WRO	STN	DTO		
ECKKT					SFN	
CKR						
RGN-1	CLN-1	OFN	RGN-2	CLN-2	RGN-3	CLN-3
RTN	PTN	HML	TER	MLG	HTG	SIA
ECKKT						SFN
CKR						
RGN-1	CLN-1	OFN	RGN-2	CLN-2	RGN-3	CLN-3
RTN	PTN	HML	TER	MLG	HTG	SIA

### REMARKS

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404010-0050**

**Clarification/Notification Request (C/NR)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404010-0050  
Clarification/Notification Request (C/NR) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at < <http://www.atis.org> >.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

“This form/screen is based upon the Ordering and Billing Forum’s (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>.”

For purposes of this limited exception, the term “Customized” means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

CLARIFICATION/NOTIFICATION REQUEST FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. C/NR BUSINESS PROCESS	2-1
2.1 Introduction	2-1
2.2 Process Flows	2-1
3. CLARIFICATION/NOTIFICATION REQUEST (C/NR) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 C/NR DETAIL SECTION	3-13
3.3 ERROR DETAIL SECTION	3-27
3.4 ALPHA/NUMERIC GLOSSARY	3-34
4. CLARIFICATION/NOTIFICATION REQUEST FORM NUMBERED	4-1
5. CLARIFICATION/NOTIFICATION REQUEST FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 The Clarification/Notification Request Form (C/NR) is prepared by the provider and is forwarded to the customer. This form is a multi-purpose form that allows the provider to notify the customer of ASR completion or provides information to the customer relative to conditions that may jeopardize the status of the ASR. The use of this practice is optional.

1.2 This form is intended to streamline the process between customers and providers to resolve discrepancies on the ASR. It is not intended to replace existing error notification procedures; however, it may be used to augment them. The C/NR may occur anytime during the order process and may result in multiple C/NRs being issued. Use of the C/NR Form does not replace existing business processes for confirmation. The form can be used to provide the following information to the customer:

- Status of an ASR (PON)
  - Completion - requested service has been activated and billing may commence
  - Cancellation - provider has cancelled the customer's ASR (PON) due to no response to the C/NR
- Jeopardy - identifies the situations that may jeopardize critical dates of the ASR (PON)
  - If the jeopardy condition is under the customer's control, the provider may issue a C/NR requesting a supplement from the customer
  - If the jeopardy condition is under the provider's control, the provider may issue an informational C/NR to the customer
- Information Only - use of the REMARKS field allows for free-flow text detailing some information that the provider wants to convey to the customer
- Error Detail - identifies the ASOG elements and conditions that failed the provider's validations

- Status of the C/NR – provides the capability to notify the customer that the provider is satisfied that the ASR (PON) affecting issues on the C/NR have been addressed and the C/NR is closed

1.3 This request may result in the customer issuing a supplement or calling the provider to resolve the issues. The process will depend on the current customer/provider negotiations or agreements.

1.4 The C/NR consists of the following sections:

- C/NR Detail

This section allows the provider to notify the customer that the ASR has been completed. It provides the means to identify specific conditions that will jeopardize the processing of the ASR and if necessary mandate that a supplement be issued by the customer to correct the jeopardizing condition.

The REMARKS field allows the provider to send a free-flow text message to the customer.

- Error Detail

This section identifies error conditions that were found on the ASR (PON) that prevents further processing of the service request.

1.5 When the ASR involves multiple providers, the customer may receive this form from the ASC-EC. Use of this form does not supersede the procedures between ASC-EC and OEC, as outlined in the MECOD.

1.6 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.7 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either a field or valid entries within a field is based on provider tariffs/practices.

1.8 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. C/NR BUSINESS PROCESS**

### **2.1 INTRODUCTION**

The C/NR provides the means to streamline the communication of ASR status (e.g., completion or jeopardy notification) and status effecting (e.g., errors) issues that may jeopardize the status of the service request. A C/NR is generated by a provider with an expectation that the customer will resolve any status effecting issues by generating a supplement to the ASR or by negotiating the issue with the provider via other means (e.g., telephone, email, etc.).

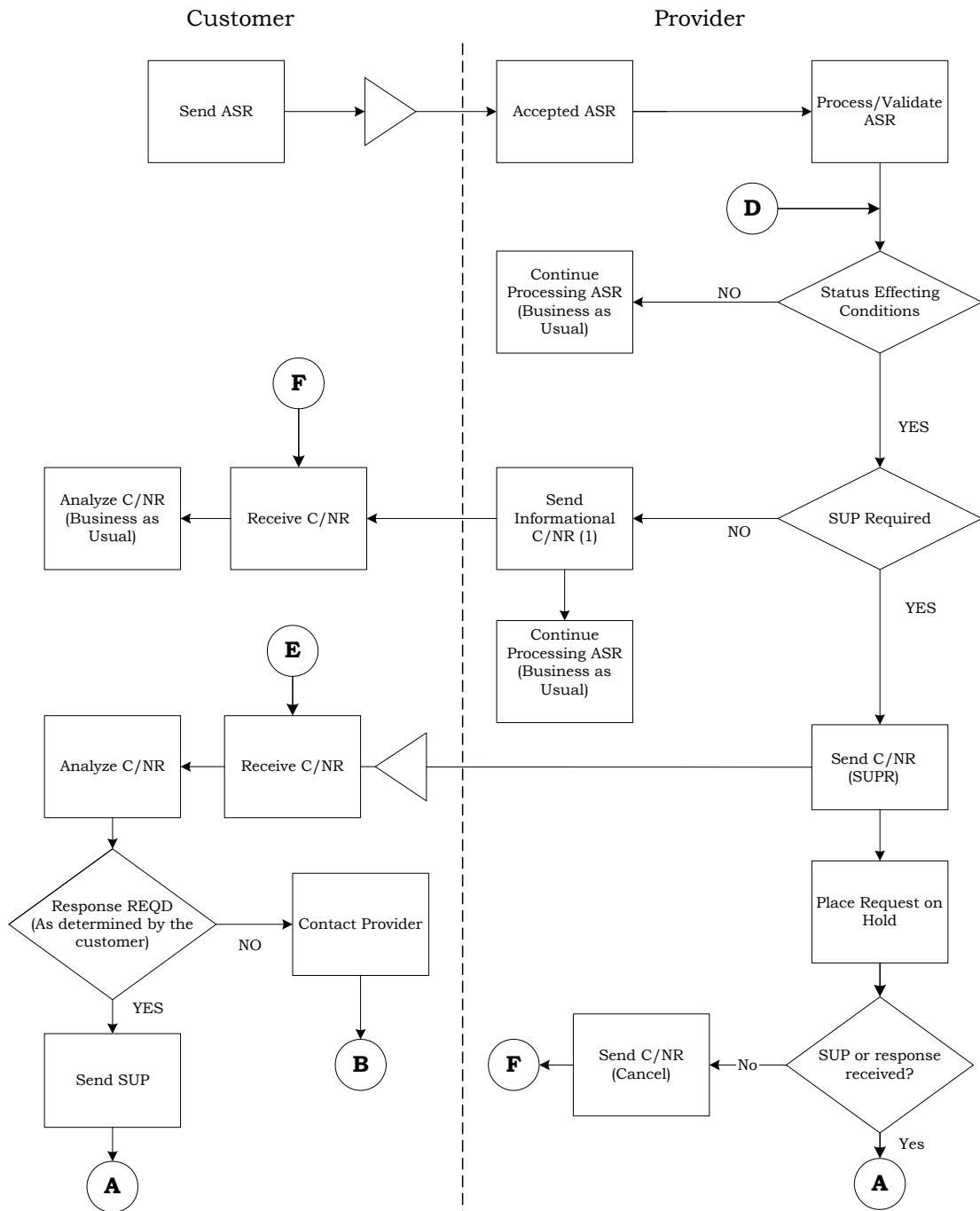
### **2.2 PROCESS FLOWS**

The flows illustrate the C/NR process that streamlines the communication between customers and providers and includes the following activities:

- Clarifications
- Jeopardies
- Errors
- Completions
- Cancellations
- C/NR clear

These interrelated flows specifically address the following business processes:

- Figure 2-1: Initial ASR (PON)
- Figure 2-2: Supplement/Response
- Figure 2-3: Jeopardy/Completion Notification



(1) It is not necessary for the provider to clear this informational C/NR

Figure 2-1 Initial ASR (PON)

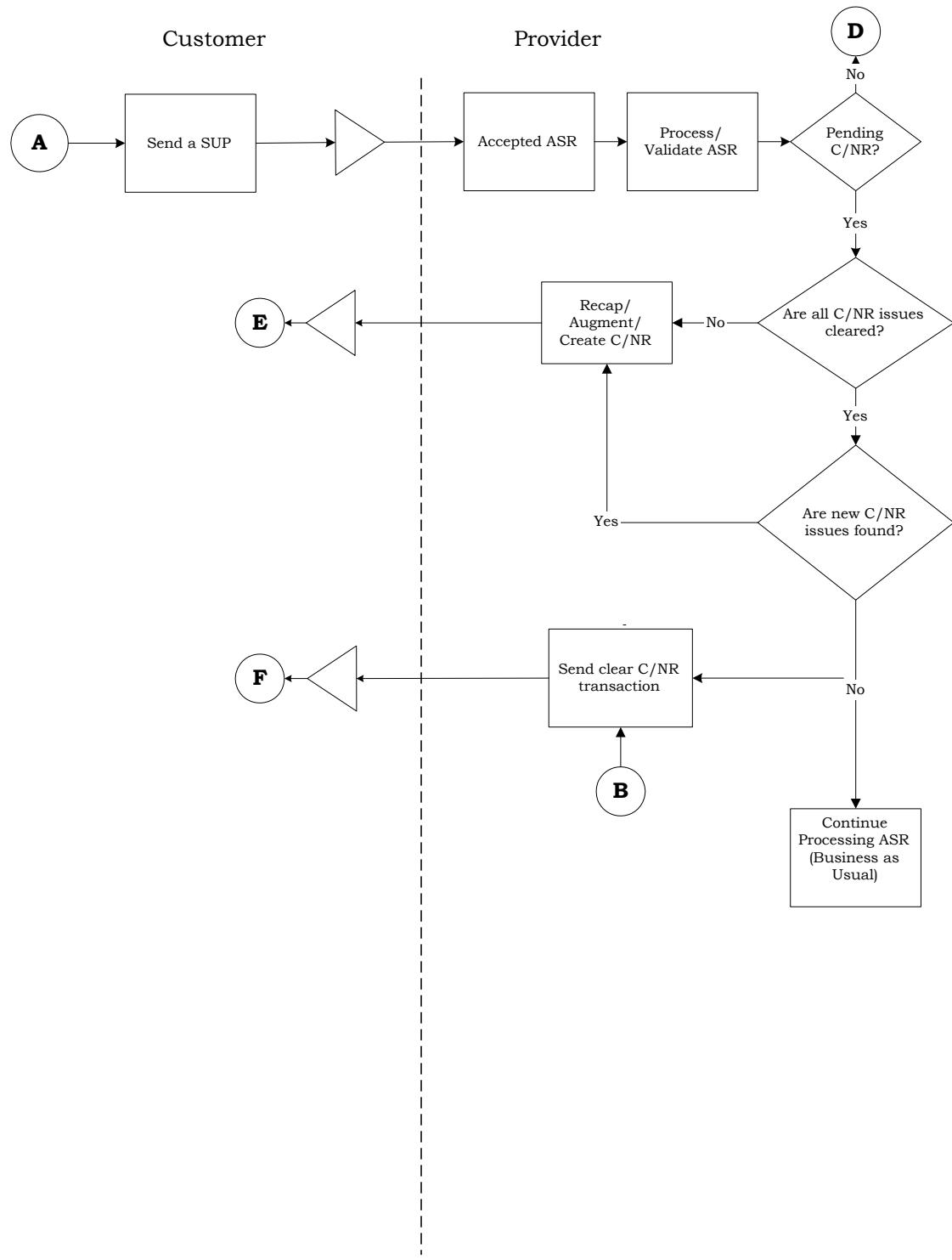


Figure 2-2 Supplement/Response

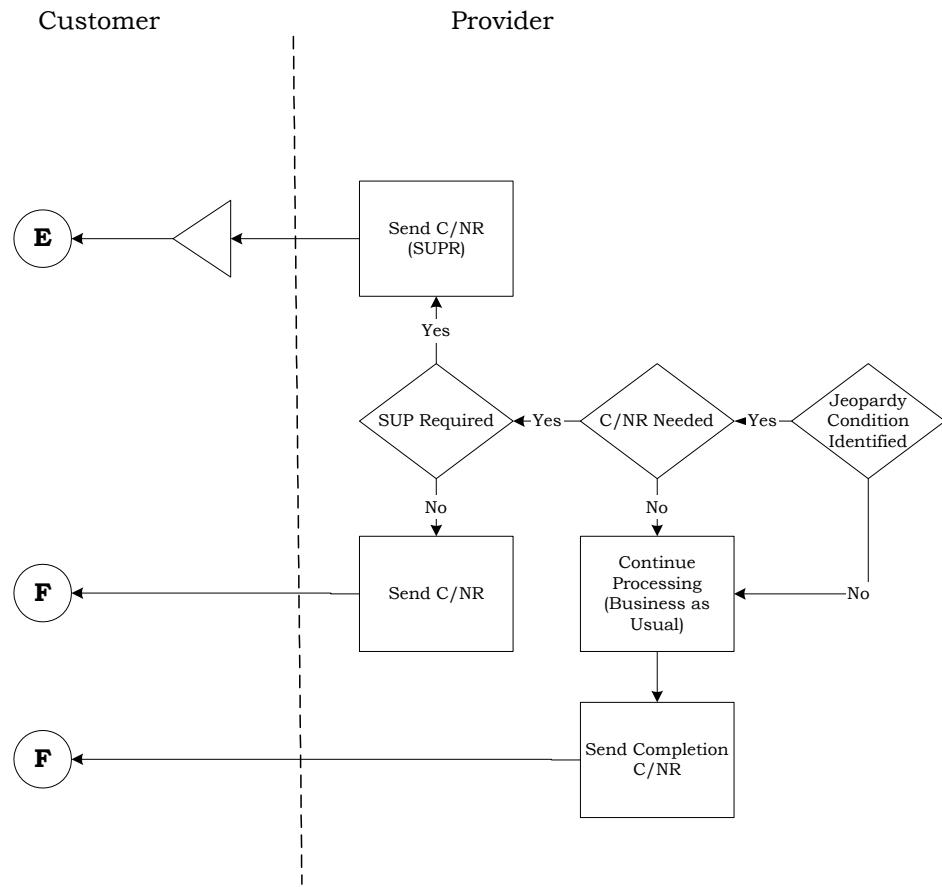


Figure 2-3 Jeopardy/Completion Notification

### **3. CLARIFICATION/NOTIFICATION REQUEST (C/NR) FORM ENTRIES**

The C/NR Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.3. Section 3.4 contains an alphabetic listing of the C/NR Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Clarification/Notification Request Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 1:** The CCNA field entry must be identical to the CCNA field entry on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |T|A|R|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of the request or supplement.

**NOTE 1:** The PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** The VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** The ASR NO field entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters

**EXAMPLE:** 3|1|2|3|4|5|6|7|8|9|0|1| | | | | |

**5. ICSC - Interexchange Customer Service Center**

Identifies the provider service center requesting clarification from or providing notification to the customer.

**NOTE 1:** The first two characters identify the provider. The third and fourth characters are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC code will be supplied and periodically updated by the providers to the customers. The providers will also supply guidelines for choosing the appropriate ICSC code.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** P|T|0|2

## 6. **D/TSENT** - Clarification/Notification Date and Time Sent

Identifies the date and time that the Clarification/Notification Request Form is sent by the provider.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)
Two Digit Hour (01-12)	Two Digit Hour (01-12)
Two Digit Minute (00-59)	Two Digit Minute (00-59)
AM or PM	AM or PM

**NOTE 1:** Metric date format may be used based on provider/customer negotiations.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters (including 3 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|3|-|1|1|1|5|A|M

|1|9|8|3|-|0|3|-|2|2|-|1|1|1|5|A|M

**7. INIT - Initiator**

Identifies the initiator as specified on the ASR Form by the customer.

**NOTE 1:** The INIT field entry must be identical to the INIT field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the INIT field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|O|H|N| S|M|I|T|H| | | | |

**8. TEL NO - Telephone Number**

Identifies the telephone number of the initiator as specified on the ASR Form by the customer.

**NOTE 1:** The TEL NO field entry must be identical to the TEL NO (INIT) field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the INIT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|0|0| - |2|2|6|2|6|2| |

**9. AP REP - Provider Contact**

Identifies the provider employee handling this service request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |Z|E|L|D|A| |K|R|E|S|S| | | | |

**10. AP REP TEL - Provider Contact Telephone Number**

Identifies the telephone number of the provider employee handling the request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|8|1 - 3|5|8|2 -   |  |  |  |

**11. AP REP EMAIL** - Provider Contact Electronic Mail Address

Identifies the electronic mail address of the provider rep contact.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

### **3.2 C/NR DETAIL SECTION**

#### **12. CNT - Clarification/Notification Type**

Identifies the type of clarification/notification being sent to the customer.

##### **VALID ENTRIES:**

- A = ASR (PON) Completion
- B = Jeopardy
- C = Previous C/NR Clear
- D = Remarks
- E = Errors
- F = Jeopardy with errors
- K = Provider Initiated Cancellation

**NOTE 1:** An entry of "A" indicates the following:

- ASR (PON) has been marked as completed by the provider, service has been activated and billing may commence.
- The ASC-EC defined common completion date should be used by all EC's involved in a MULTI-EC ordering scenario.
- In a MULTI-EC ordering scenario, all EC's involved should follow the completion coordination process defined in ATIS-0404120 Multiple Exchange Carriers Ordering and Design (MECOD); ASSUMPTIONS and COMPLETION sections.

**NOTE 2:** An entry of "B" indicates the ASR (PON) has a condition which impacts the critical date(s). The use of "B" is only applicable after the ASR has been confirmed.

**12. CNT - Clarification/Notification Type (continued)**

**NOTE 3:** An entry of “C” indicates that all the conditions that would have required clarification from the customer have been satisfied. This could have occurred as the result of a SUP being received or through verbal negotiations between the customer and provider that determined a SUP is not required. The use of “C” is only applicable after a previous C/NR has been issued with an entry in the SUPR field.

**NOTE 4:** An entry of “D” indicates that the C/NR is informational only and no response is required.

**NOTE 5:** An entry of “E” indicates that one or more ERROR TAG fields are populated on the C/NR.

**NOTE 6:** An entry of “F” indicates the combination of “B” and “E” conditions.

**NOTE 7:** An entry of “K” indicates the ASR has been cancelled by the provider based on no response to a previously issued C/NR. When a MULTI-EC ordering scenario exists, the EC’s involved should follow the coordination process defined in ATIS-0404120 MECOD; ASSUMPTIONS and COMPLETION sections and synchronize the order status with the ASC-EC.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**13. C/NR VER - Clarification/Notification Version**

Identifies the provider's C/NR version number.

**VALID ENTRIES:**

01 - 99

**NOTE 1:** The initial C/NR VER for an ASR (PON) will be 01 and increments as subsequent C/NRs are generated.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|1

**14. SUPR - SUP Requested**

Identifies that the provider expects a supplement ASR in response to this C/NR.

**VALID ENTRIES:**

Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Required when one or more SUPI fields are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**15. CRDD - Customer Response Due Date**

Identifies the date on which the provider expects a response from the customer regarding this Clarification/Notification Request.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SUPR field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |1|1|-|0|5|-|2|0|0|1|

|2|0|0|1|-|1|1|-|0|5|

**16. ESDD - Estimated Due Date**

Identifies the due date a provider expects to have service available when the previously confirmed due date cannot be met.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CNT field is “B” or “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|5|-|3|1|-|2|0|1|3|

|2|0|1|3|-|0|5|-|3|1|

## 17. CD – Completion Date

Identifies the date on which the ASR (PON) was completed by the provider, service was activated and billing may commence.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**NOTE 1:** Metric date format may be used based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CNT field is “A”, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha numeric characters (including 2 hyphens)

**EXAMPLES:** |1|1|-|0|5|-|2|0|0|2|

|2|0|0|2|-|0|7|-|0|4|

**18. SDI - Subsequent Dispatch Indicator**

Identifies that a Provider will charge the Customer for a subsequent dispatch when the end-user is not ready.

**VALID ENTRIES:**

Y = Charges will be applied

**USAGE:** This field is conditional.

**NOTE 1:** Optional when CNT equals "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**19. SUPI - SUP Indicator**

Identifies that the provider expects a supplement ASR to correct the condition identified at the line level on the C/NR.

**VALID ENTRIES:**

Y = Yes

**NOTE 1:** If this field is blank, the clarification/notification for this line item is informational only.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CNT field is “B”, “E” or “F”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **20. RCODE – Reason Code**

Identifies the reason the provider has placed this service request in jeopardy status.

**NOTE 1:** This indicates the ASR (PON) has a condition that impacts the critical date(s) and is only applicable after the ASR has been confirmed.

### **VALID ENTRIES:**

- 1A = Inter Office Facility Shortage
- 1B = Scheduling/Work Load
- 1C = Customer Not Ready
- 1D = No Loop Available
- 1E = End User Not Ready
- 1F = Provider Missed Appointment
- 1G = No Access to End User Premise
- 1H = Central Office Freeze
- 1J = Special Construction
- 1K = Natural Disaster (Flood, etc.)
- 1L = Frame Due Time Cannot Be Met
- 1M = Due Date Cannot Be Met
- 1N = Due Date and Frame Due Time Cannot Be Met
- 1P = Other
- 1Q = Assignment Problem
- 1R = Customer Could Not Be Reached
- 1S = Building Not Ready, Customer Will Advise
- 1T = Pole At Site Not Set
- 1W = Entrance Facilities Required
- 1X = Not Technically Feasible
- 1Y = No Central Office Equipment Available
- 1Z = Other Exchange Company Not Ready

**20. RCODE – Reason Code (Continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CNT field is “B” or “F”, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** 1 P

## **21. RDET – Reason Code Detail**

Provides a detailed description associated with the reason code.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RCODE field is “1P”.

**NOTE 2:** Optional when the RCODE field is populated with a value other than “1P”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |E|N|D| |U|S|E|R| |C|U|S|T|O|M|E|R| |N|O|

T R E A D Y

**22. REMARKS** - Remarks

Identifies a free flowing field that can be used to send a detailed message to the customer or to expand upon and clarify other data on the C/NR Form.

**NOTE 1:** This field should not be used in lieu of any existing error process.

**NOTE 2:** This field will be limited to one per ASR transmission. The entire ASR should be reviewed to ensure that all discrepancies have been included on the request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 225 alpha/numeric characters

**EXAMPLE:**   | 1 | 5 | 0 | 0 |   | P | I | N | E |   | H | I | L | L |   | S | T |   | B | I |  
  
| R | M | I | N | G | H | A | M |   | A | L |   | D | O | E | S |   | N | O | T |  
  
| | E | X | I | S | T | . |   | V | A | L | I | D |   | A | D | D | R | E | S |  
  
| S | E | S |   | A | R | E |   | 1 | 5 | 0 | 0 |   | P | I | N | E |   | H | I |  
  
| L | L |   | L | N | , |   | B | I | R | M | I | N | G | H | A | M |   | A | L |  
  
| | 3 | 5 | 2 | 1 | 5 |   | A | N | D |   | 1 | 5 | 0 | 0 |   | P | I | N | E |  
  
| | H | I | L | L |   | R | D | , |   | B | I | R | M | I | N | G | H | A | M |  
  
| , |   | A | L |   | 3 | 5 | 2 | 3 | 5 |   | P | L | E | A | S | E |   | R | E |  
  
| S | P | O | N | D |   | | | | | | | | | | | | | |

**22. REMARKS** – Remarks (Continued)

A horizontal timeline consisting of 15 vertical tick marks and 14 horizontal connecting lines, spanning from approximately x=107 to x=891.

A horizontal row of six vertical black bars of equal height, evenly spaced across the frame.

### **3.3 ERROR DETAIL SECTION**

#### **23. REF NUM - Reference Number**

Identifies the unique number assigned to a specific circuit or circuit segment for which an error has been identified.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EVC/VC NUM and the UREF fields are both blank and the associated ERROR TAG field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|0|3

**24. EVC/VC NUM - Ethernet Virtual Connection/Virtual Connection Number**

Identifies the unique number assigned to a specific Ethernet virtual connection or a specific virtual circuit for which an error has been identified.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the REF NUM and the UREF fields are both blank and the associated ERROR TAG field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|0|3|

**25. UREF - User Network Interface (UNI) Reference Number**

Identifies a unique number assignment to a specific UNI port for which an error has been identified.

**VALID ENTRIES:**

01 – 20

**USAGE:** This field is conditional.

**NOTE 1:** Required when the REF NUM and the EVC/VC NUM fields are both blank and the associated ERROR TAG field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 1|0

**26. LREF – Level of Service Reference Number**

Identifies the reference number associated to the level of service mapping configuration being requested.

**NOTE 1:** The LREF on this form must match the LREF on the EVC form where an error has been identified.

**VALID ENTRIES:**

1 - 5

**USAGE:** This field is conditional.

**NOTE 1:** Required when the UREF field is populated and an error has been identified at the LOS mapping level, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

## **27. ERROR TAG - Error Tag**

Identifies a specific field or unique identification scheme for the error message provided in the ERROR MESSAGE field.

**VALID ENTRIES:**

ASOG data element  
Unique error code  
SVC-ADDR = Service Address

**NOTE 1:** The valid entry “SVC-ADDR” indicates one or more data elements associated with the service address on the SALI Form is in error. In lieu of “SVC-ADDR”, the specific ASOG data element may be used (e.g., CITY) as stated in Note 2.

**NOTE 2:** Identifies the name of the field (e.g., NCI) in error as shown in the ASOG.

**NOTE 3:** Identifies an error condition that cannot be mapped to a specific ASOG data element.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CNT field is "E" or "F", otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|F|A| | | | | | | | | |

|E|R|R|O|R|#|1|2|3|4|5|6|

|S|V|C| - |A|D|D|R| | | |

# |C|I|T|Y| | | | | | | | |

**28. OCC - Occurrence**

Identifies the specific instance of a field when there is more than one occurrence of that field.

**NOTE 1:** An entry in this field must match the specific instance of the pre printed index numbering on the related form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** |2|4|

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## **29.      ERROR MESSAGE - Error Message**

Provides a descriptive text of an error condition identified by the provider.

**USAGE:** This field is conditional.

**NOTE 1:** Required if the ERROR TAG field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 120 alpha/numeric characters

**EXAMPLES:** |C|F|A| |C|H|A|N|N|E|L| |I|S| |B|U|S|Y| |

The image consists of four identical horizontal rows, each containing 15 empty rectangular boxes. These boxes are evenly spaced and extend across the width of the row. They are designed to look like they are part of a worksheet or form for students to write their answers in.

### 3.4 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Clarification/Notification Request Form fields.

#### C/NR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
AP REP	9	Provider Contact
AP REP EMAIL	11	Provider Contact Electronic Mail Address
AP REP TEL	10	Provider Contact Telephone Number
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
CD	17	Completion Date
CNT	12	Clarification/Notification Type
C/NR VER	13	Clarification/Notification Version
CRDD	15	Customer Response Due Date
D/TSENT	6	Clarification/Notification Date and Time Sent
ERROR MESSAGE	29	Error Message
ERROR TAG	27	Error Tag
ESDD	16	Estimated Due Date
EVC/VC NUM	24	Ethernet Virtual Connection/Virtual Connection Number
ICSC	5	Interexchange Customer Service Center
INIT	7	Initiator
LREF	26	Level of Service Reference Number
OCC	28	Occurrence
PON	2	Purchase Order Number
RCODE	20	Reason Code
RDET	21	Reason Code Detail
REF NUM	23	Reference Number
REMARKS	22	Remarks
SDI	18	Subsequent Dispatch Indicator
SUPI	19	SUP Indicator
SUPR	14	SUP Requested
TEL NO	8	Telephone Number
UREF	25	User Network Interface (UNI) Reference Number
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. CLARIFICATION/NOTIFICATION REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

### Clarification/Notification Request

V50  
03/15

#### Administrative

CCNA	PON	VER	ASR NO	ICSC	D/TSENT
1	2	3	4	5	6
INIT		TEL NO		AP REP	
7		8	-	9	
AP REP EMAIL				AP REP TEL	
1	1			1 0	-

#### C/NR Detail Section

CNT	C/NR VER	SUPR	CRDD	ESDD	CD	SDI
12	1 3	1	1 5	1 6	1 7	1 8
SUPI	R CODE	R DET				
19	2 0	2 1				
SUPI	R CODE	R DET				
19	2 0	2 1				
SUPI	R CODE	R DET				
19	2 0	2 1				
REMARKS						
2 2						

#### Error Detail Section

SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	#	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	#	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	#	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	#	2 7	2 8	2 9

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. CLARIFICATION/NOTIFICATION REQUEST FORM NUMBERED (continued)

(Insert Your Company Logo Here)

#### Clarification/Notification Request (continued)

V50  
03/15

##### Administrative

CCNA	PON	VER	ASR NO	ICSC	D/TSENT
1	2	3	4	5	6
INIT	TEL NO	AP REP		AP REP TEL	
7	8	9	10	11	12
AP REP EMAIL					
11	12	13	14	15	16

##### Error Detail Section

SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9
SUPI	REF NUM	EVC/V NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	2 3	2 4	2 5	2 6	2 7	2 8	2 9

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. CLARIFICATION/NOTIFICATION REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

### Clarification/Notification Request

V50  
03/15

#### Administrative

CCNA	PON	VER	ASR NO	ICSC	D/TSENT
INT	TEL NO			AP REP	AP REP TEL
AP REP EMAIL					

#### C/NR Detail Section

CNT	C/NR VER	SUPR	CRDD	ESDD	CD	SDI
SUPI	R CODE	RDET				
SUPI	R CODE	RDET				
SUPI	R CODE	RDET				
REMARKS						

#### Error Detail Section

SUPI	REF NUM	EVC/V C NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	EVC/V C NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	EVC/V C NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	EVC/V C NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. CLARIFICATION/NOTIFICATION REQUEST FORM CAMERA READY (CONTINUED)**

(Insert Your Company Logo Here)

## **Clarification/Notification Request (continued)**

V50  
03/15

## **Administrative**

## Error Detail Section

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404011-0050**

**Confirmation Notice (CN)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404011-0050  
Confirmation Notice (CN) Form Preparation Guide - Access Service Ordering Guidelines  
(ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>."

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

CONFIRMATION NOTICE (CN) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. CN FORM DESCRIPTION	2-1
3. CONFIRMATION NOTICE (CN) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 VIRTUAL CIRCUIT SECTION	3-83
3.3 ALPHA/NUMERIC GLOSSARY	3-99
4. CONFIRMATION NOTICE (CN) FORM NUMBERED	4-1
5. CONFIRMATION NOTICE (CN) FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

- 1.1 The Confirmation Notice Form (CN) is prepared by the provider and is forwarded to the customer. This form provides the customer with information associated with the customer's request for service.
- 1.2 The Firm Order Confirmation Notice (FOC) is issued in response to a Firm Order ASR and signifies the providers' good faith effort to provide the access service as ordered.
- 1.3 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.
- 1.4 The Confirmation Notice Form accommodates multiple provider order activities. Fields that are prohibited based on Response type (RT) value of "B", Billing Account Number Correction (BANC), are not required to be suppressed by all provider systems; Customer's may disregard these fields and cannot be required to process unless previously negotiated in advance with the provider.
- 1.5 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.
- 1.6 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/contracts/practices.
- 1.7 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

## **2. CN FORM DESCRIPTION**

2.1 The CN Form provides the customer with the information necessary for control and tracking of the applicable request(s) for the provisioning of access service. The use of the CN Form is defined in the Response Type (RT) field as follows:

- BANC
- FOC
- SRC

2.2 The CN Form contains entries for multiple circuits. The second page of the CN Form is identified as Confirmation Notice Form (Continued). The first two lines of entries are repeated for each continuation page to provide identification linking these subsequent pages to the first page. Ranging of trunk or line numbers in the customer/provider circuit identification entries would eliminate the use of additional pages and such application is recommended whenever possible.

The third page of the CN Form is identified as Confirmation Notice Form (Virtual Connection). The first line of entries is administrative data, which is used to link the subsequent fields to the first page of the CN. This page contains details for virtual connections.

2.3 When multiple critical dates are locally negotiated for bulk ordering, the administrative critical date section of the CN Form is always utilized for the first circuit or first group of circuits. The additional sets of critical dates are provided based on customer/provider negotiations.

2.4 When multiple critical dates are locally negotiated additional appearances of the DLRD, CDLRD, and DD provide for varying these dates for bulk ordering. The administrative critical date section of the CN Form is always utilized for the first circuit or first group on a bulk ordering arrangement. The additional (ECCKT Sections) DLRD, CDLRD and DD are populated for provisioning bulk order requests which specify the unique set or sets of assigned critical dates.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. CONFIRMATION NOTICE (CN) FORM ENTRIES**

The CN Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the CN Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field entry on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

## **2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of the request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

### **3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### **4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** 3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

## **5. SPA - Special Action Indicator**

An indicator used by the customer to identify an order being sampled for quality control purposes.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:**

## **6. RT - Response Type**

Identifies the type of response issued by the provider.

### **VALID ENTRIES:**

B = Billing Account Number Correction (BANC)

A BANC is issued by a provider to update BAN and/or ASG information.

F = Firm Order Confirmation (FOC)

A Firm Order Confirmation is issued in response to a Firm Order ASR. This form provides the customer with non-design information such as critical dates and circuit identification. Design information may be provided on the Design Layout Report (DLR) when requested by the customer.

S = Service Request Confirmation (SRC)

A Service Request Confirmation identifies or provides a series of responses to the customer's request such as provisioning interval, estimated charges or BHMCs converted to a quantity of circuits.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |S|

## **7. INIT - Initiator**

Identifies the initiator as specified on the ASR form by the customer.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J D U E

## **8. ICSC - Interexchange Customer Service Center**

Identifies the provider service center issuing the confirmation to the customer.

**NOTE 1:** The first two characters identify the provider. The third and fourth characters are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC code will be supplied and periodically updated by the providers to the customers. The provider will also supply guidelines for choosing the appropriate ICSC code.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:**

P	T	0	2
---	---	---	---

## **9. CD/TSENT - Confirmation Date and Time Sent**

Identifies the date and time that the CN is sent by the provider/ASC-EC.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)
Two Digit Hour (01-12)	Two Digit Hour (01-12)
Two Digit Minute (00-59)	Two Digit Minute (00-59)
AM or PM	AM or PM

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters  
(including 3 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|3|-|1|1|1|5|A|M

|1|9|8|3|-|0|3|-|2|2|-|1|1|1|5|A|M

## **10. AP REP - Provider Contact**

Identifies the provider employee handling this request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |M|E|L|V| I |N| |S| I |M|C|O|E| | |

## **11. AP REP TEL - Provider Contact Telephone Number**

Identifies the telephone number of the provider employee handling this request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:**  -  -  -

## **12. EMAIL** - Electronic Mail Address

Identifies the electronic mail address of the provider rep contact.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

|P|A|N|Y|. |C|O|M| | | | | | | | | | | | | |

| P | A | N | Y | . | C | O | M | | | | | | | | | | | | | | | | | |

### **13. PIA - Provider Initiated Activity**

Indicates a provider initiated confirmation that is not in response to a customer Access Service Request supplement.

**NOTE 1:** This may signal to the customer that additional investigation is needed to determine internal process impacts.

#### **VALID ENTRIES:**

- 1 = Provider Initiated ECCKT(s) Change
- 2 = Provider Initiated Due Date Change
- 3 = ECCKT and Due Date Change
- 4 = Other (Clarify in Remarks)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 3

#### **14. PROVINT - Provisioning Interval**

Identifies the number of work days which could be required to complete this request (contingent upon facility and work force availability) if this request were a firm order as of today's date.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C", "D", "M" or "T", the RT field is "S" and the second position of the TQ field on the ASR Form is not "N" or "X".

**NOTE 2:** Prohibited when the second position of the TQ field on the ASR Form is "N".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 2 | 1

## **15. PROJECT** - Project Identification

Identifies the project number associated with this request.

**NOTE 1:** Use of this field includes: relating multiple ASR's, previously negotiated orders, etc.

**NOTE 2:** The provider may initiate the project identification and provide this to the customer who will populate the field when submitting additional and/or supplement ASR Forms associated with this project.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when RT field is “B”, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |M|S|7|3|6|1|1|9| | | | | | | | |

**16. CNO - Case Number**

Identifies the quotation tracking number assigned by the provider in response to a provisioning arrangement inquiry, e.g., diversity.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** B|S|0|6|1|1|9|6|-|0|0|2|

## **17. APP - Application Date**

Identifies the date that the customer gives the provider an Access Service Request with sufficient information to allow a service order to be issued.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the RT field is “B” or “S”.

**NOTE 2:** Optional when the RT field is “F” and the second position of the TQ field on the ASR Form is “N” or “X”.

**NOTE 3:** Otherwise required.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|4|

|1|9|8|4|-|0|3|-|2|2|

## **18. SRN - Service Reservation Number**

Identifies the Service Reservation Number assigned by the provider in response to a request to reserve facilities.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SRN field on the ASR Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |0|1|L|Z|C|H|-|0|0|0|0|1| | | | | | |

|0|1|L|Z|C|H|-|0|1| | | | | | |

## **19. DLRD - Design Layout Report Date**

Identifies the date the Design Layout Report (DLR) is to be forwarded to the customer.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “N”, “C”, “D”, “M” or “T”, the second position of the TQ field on the ASR Form is not “N” or “X” and the RTR field on the ASR Form is “S” or “1-10.”

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Prohibited when the ACT field on the ASR Form is “R”.

**NOTE 4:** Prohibited when the second position of the TQ field on the ASR Form is “N” or “X”.

**NOTE 5:** Otherwise optional.

**19. DLRD – Design Layout Report Date (continued)**

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|3|-|2|9|-|1|9|8|4|

|1|9|8|4|-|0|3|-|2|9|

## **20. CDLRD - Confirming Design Layout Report Date**

Identifies the date that the Confirming Design Layout Report (CDLR) is to be received at the provider design control office.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “N”, “C”, “D”, “M” or “T”, the second position of the TQ field on the ASR Form is not “N” or “X” and the RTR field on the ASR Form is “1-10.”

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Prohibited when the ACT field on the ASR Form is “R”.

**NOTE 4:** Prohibited when the second position of the TQ field on the ASR Form is “N” or “X”.

**NOTE 5:** Otherwise optional.

**20. CDLRD – Confirming Design Layout Report Date (continued)**

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|4|-|0|2|-|1|9|8|4|

|1|9|8|4|-|0|4|-|0|2|

## **21. PTD - Plant Test Date**

Identifies the date the provider schedules the overall testing of the requested service to start.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**NOTE 1:** When this field is populated and the PPTD field on the ASR Form is populated, those entries must be the same.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the PPTD field on the ASR Form is populated.

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|8|

|1|9|8|8|-|0|3|-|2|2|

## **22. DD - Due Date**

Identifies the date the service order generated from this Access Service Request is due to be completed.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the RT field is "B" or "S".

**NOTE 2:** Optional when the RT field is "F" and the second position of the TQ field on the ASR Form is "N" or "X".

**NOTE 3:** Otherwise required.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|4|

|1|9|8|4|-|0|3|-|2|2|

### **23. NFR – Network Facility Requirement**

Indicates that the customer's desired due date cannot be met because additional provider facilities are required to fulfill the request.

**NOTE 1:** Examples of provider facilities may include fiber builds, card installation, etc.

#### **VALID ENTRIES:**

Y = Required

**USAGE:** This field is conditional.

**NOTE 1:** Required on the initial confirmation notice when a need for additional facilities is identified and will cause the DD to be greater than the DDD field on the ASR Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **24. NFRT – Network Facility Requirement Type**

Indicates the type of provider requirement needed when the customer's desired due date cannot be met.

### **VALID ENTRIES:**

#### 1<sup>st</sup> character

- 1 = Outside Plant (OSP) Build
- 2 = Interoffice Facility (IOF) Build
- 3 = Both OSP and IOF Build

#### 2<sup>nd</sup> character

- A = Minor Build
- B = Major Build

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the NFR field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLES:**

## **25. EBD - Effective Bill Date**

Identifies the date billing is to cease for disconnect activity whenever the billing date is different from the due date.

### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “D”, and the EBD field is different than the DD field.

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|4|-|0|2|-|1|9|8|7|

|1|9|8|7|-|0|4|-|0|2|

## **26. BAN - Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for this request will be billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customers.

**NOTE 2:** If the customer wished to have a new billing account number for this order, an "N" would have been entered in the BAN field on the ASR Form.

**NOTE 3:** BAN on a confirmation for a Hi-Cap facility becomes HBAN on subsequent requests utilizing the Hi-Cap facility.

### **VALID ENTRIES:**

Valid Billing Account Number  
NB = Multi-EC Non-billing Provider

**NOTE 1:** "NB" represents a non-billing provider that is involved in providing this access service.

**NOTE 2:** When the customer has populated an "E" in the BAN field on the ASR Form, the provider returns a BAN on the Confirmation Notice Form (CN). If the customer determines the BAN is incorrect it is the customer's responsibility to coordinate the correct BAN assignment.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C", "D", "M" or "T" and the RT field is "F", otherwise optional.

**26.** **BAN** – Billing Account Number (continued)

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |9|8|1|-|3|5|8|7|

## 27. SWC - Serving Wire Center

Identifies the CLLI Code of the local or alternate serving central office of the customer location or primary location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**27. SWC - Serving Wire Center (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “S” and the EVCI field on the ASR Form is “A”.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Prohibited when the second position of the TQ field on the ASR Form is “N” or “X”.

**NOTE 4:** Prohibited when the UNE field is populated.

**NOTE 5:** Required when the RT field is “F”, the ACT field on the ASR Form is “N” or “T”, and the second position of the TQ field on the ASR Form is not “N” or “X”.

**NOTE 6:** Optional when the first position of the REQTYP field on the ASR Form is “W”.

**NOTE 7:** Otherwise optional.

**27. SWC - Serving Wire Center (continued)**

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** [A|T|L|N|G|A|C|X|D|S|0]

## **28. SC - Special Construction Requirement**

Indicates that special construction is required to fill the request.

### **VALID ENTRIES:**

Y = Required

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the RT field is "B", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **29. EC VER - Exchange Carrier Version**

Identifies the provider's version.

**NOTE 1:** For corrections and SUPs, the entry will increment.  
For resends, the entry will not increment.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|1

### **30. SECLOC - Secondary Location**

Identifies the terminating end of the circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

### 30. **SECLOC** - Secondary Location (continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “V” or “X” and the CLLI Code has been assigned by the provider, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |S|N|F|C|C|A|2|1|C|G|0|

### **31. FDLRD - Facility Design Layout Report Date**

Identifies the date that the trunk facility DLR is to be forwarded to the customer for the digital interface(s) identified in the FCKT field.

#### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the FCKT field is populated and the RT field is “F”.

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(including 2 hyphens)

**EXAMPLES:** |0|6|-|0|1|-|1|9|8|8|

|1|9|8|8|-|0|6|-|0|1|

### **32. FCDLRD - Facility Confirming Design Layout Report Date**

Identifies the date that the Confirming Design Layout Report (CDLR) is to be received at the provider design control office for the trunk facility.

#### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the FCKT field is populated, the RT field is “F” and the customer has requested a CDLR.

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|4|-|0|2|-|1|9|8|4|

|1|9|8|4|-|0|4|-|0|2|

### **33. FPTD - Facility Plant Test Date**

Identifies the date the provider schedules the overall testing of the trunk facility.

#### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the FCKT field is populated and the RT field is “F”.

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|1|9|8|8|

|1|9|8|8|-|0|3|-|2|2|

### **34. FDD - Facility Due Date**

Identifies the due date of the digital interface(s) identified in the FCKT field.

#### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the FCKT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|7|-|0|1|-|1|9|8|8|

|1|9|8|8|-|0|7|-|0|1|

### **35. CIWBAN - Corrected Inside Wire Billing Account Number**

Identifies the Billing Account Number for charges associated with inside wire.

**USAGE:** This field is conditional.

**NOTE 1:** Required when a correction to the IWBAN Field on the ASR Form is needed, otherwise prohibited.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLES:** |2|0|1|-|9|8|1|-|3|5|8|7| |1|2|3|

|N|3|5|7|1|6|3| |6|9|9|8| | | | |

### **36. ECSPC - Exchange Company Signaling Point Code**

Identifies the provider's signaling point in a CCS network.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "L".

**NOTE 2:** Required for CCS trunk requests when the second position of the TQ field on the ASR Form is not "N" or "X".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters (including 2 preprinted hyphen)

**EXAMPLE:** |2|4|9|-|2|5|5|-|1|0|1|

### **37. FNI - Fiber Network Identification**

Identifies all services associated with a particular fiber based network.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

#### **VALID ENTRIES:**

Valid FNI

**USAGE:** This field is conditional.

**NOTE 1:** Required when the FNI field on the ASR Form is "N", otherwise optional.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLE:** |N|1|2|3|4|5| | | | | | | |

### **38. RTI - Route Index**

Identifies the routing index to be used by the provider's switching equipment to forward/port the provider's telephone number to the customer's non-RCF trunk group.

**NOTE 1:** The route index ID is used on the LSR for the customer to direct INP traffic.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TRFTYP field on the Trunking Form is "RI" or "PN", otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** 4|3|2|1|9|3

### **39. ESP – Ethernet Service Point**

Identifies the Ethernet switching point, terminating equipment or terminating location, in CLLI code format, at the UNI/ENNI termination.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

### 39. **ESP** – Ethernet Service Point (continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

#### **VALID ENTRIES:**

CLLI Code

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** The ESP field may not be supported by all providers.

**NOTE 3:** The use of an 8 character CLLI code is based on customer provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SEI field on the ASR form is not populated.

**NOTE 2:** Required when the ACT field on the ASR Form is “N”, the SEI field on the ASR Form is populated and an ESP CLLI code has been assigned by the provider.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:**

M	I		L		N		T		N		M		A		6		8		6
---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---

M	I		L		N		T		N		M		A					
---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--	--	--

#### **40. FDT - Frame Due Time**

Identifies the Frame Due Time assigned by the provider in response to special handling instructions for the connection, disconnection or coordination of changes for a request.

##### **VALID ENTRIES:**

###### **Time Zone (Position 1)**

Central	= C
Eastern	= E
Mountain	= M
Pacific	= P

###### **Time of Day (Positions 2-7)**

Two Digit Hour (01-12)/Two Digit Minute (00-59)/AM or PM  
Two Digit Hour (01-12)/A or P/Two Digit Hour (01-12)/A or P  
AM or PM  
Two Digit Hour (01-12)/A or P

**NOTE 1:** Indicates the time zone and time or time zone and window of time when the service should be connected, disconnected or coordinated.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field is different than the FDT field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**40. FDT – Frame Due Time (continued)**

**EXAMPLES:** C|1|0|1|5|P|M

E|1|2|P|0|2|P

P|0|8|A|1|0|A

M|A|M| | | |

C|1|0|P| | | |

#### **41. CB TEL NO – Conference Bridge Telephone Number**

Identifies the Conference Bridge Telephone number assigned by the provider in response to a request. This number is to be used at the time of implementation or cut over.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field is different than the CB TEL NO field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** |8|7|7| - |9|8|1| - |3|5|0|0|

#### **42. CBPC – Conference Bridge Passcode Number**

Identifies the passcode associated with the conference bridge telephone number assigned by the provider in response to a request.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CB TEL NO field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** 1|2|3|4|5|6|7|8|9|1|2|3|4|5|6

|\*|2|3|4|5|6|7|7|\*| | | | | | |

#### **43. LAG-ID – Link Aggregation Group ID**

Identifies the provider assigned circuit ID for a Link Aggregation Group.

##### **VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format

**NOTE 1:** This format is defined in ANSI T1.266 (ATIS-0326600.2005), Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LAG field on the ASR Form is “N”, otherwise optional.

**DATA CHARACTERISTICS:** 24 alpha/numeric characters

**EXAMPLE:** |5|2|/|A|B|C|D|/|1|2|3|4|5|6|/|/|X|X|



#### **44. REMARKS -Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:**

D	I	S	C		O	F		F		I	R	S	T		C	K	T		I	N	
					G	R	O	U	P												

#### **45. ECCKT - Exchange Company Circuit ID**

Identifies a provider circuit ID or multiple circuit IDs.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When the UNE field on the ASR form is populated, and the customer is ordering an unbundled multiplexer, the COMMON LANGUAGE Format of the transport facility for the high speed and low speed sides may be different.

**NOTE 3:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 4:** All components within the ECCKT should be delimited by either virgules or periods.

**NOTE 5:** If all positions in a component within the ECCKT are not populated, the component should be compressed to eliminate any spaces.

**45. ECCKT - Exchange Company Circuit ID (continued)**

**NOTE 6:** Use of ranging is based on customer/provider negotiations. Ranges should be shown within the appropriate component of the ID by specifying the lowest value of the component, hyphen, and highest value of the component, e.g., trunk numbers 3500 through 3512 would be shown as 3500-3512.

**NOTE 7:** The format and structure of the field is defined by ANSI standards.

**VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Telephone Number Format. This format is defined in ANSI T1.266, Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System and consists of the following elements:
  1. **Prefix** - A non-standard code populated according to the special services circuit coding methodology of each carrier or network operator assigning the circuit identification (1-2 alpha/numeric characters).
  2. **Service Code** - A standardized code that represents a tariff offering that requires special services circuit provisioning. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

3. **Service Code Modifier** - A standardized code that designates the jurisdiction, networking application, and additional technical information of the service identified in the service code. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
4. **NPA Code** - A standardized code that identifies the NPA associated with the telephone number of a special services circuit (3 numeric characters).
5. **CO Unit Code** - A standardized code that identifies the CO number associated with the telephone number of a special services circuit (3 numeric characters).
6. **Line Number Code** - A standardized code that identifies the line number associated with the telephone number of a special services circuit (4 numeric characters).
7. **Extension Number/Trunk Code** - A non-standard code used to record extension numbers/trunk codes associated with the telephone number of a special services circuit (5 alpha/numeric characters).
8. **Segment Number** - A serial number type code that uniquely identifies each termination point of a special services circuit, when the circuit has more than two termination points, i.e. multi-point circuit (1 - 3 alpha/numeric characters).

**EXAMPLES:** A2/SBFS/201/981/3500-3507  
//800/123/4567//

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

2. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) - Serial Number Format. This format is defined in ANSI T1.266, Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System and consists of the following elements:
  1. **Prefix** - A non-standard code populated according to the special services circuit coding methodology of each carrier or network operator assigning the circuit identification (1-2 alpha/numeric characters).
  2. **Service Code** - A standardized code that represents a tariff offering that requires special services circuit provisioning. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
  3. **Service Code Modifier** - A standardized code that designates the jurisdiction, networking application, and additional technical information of the service identified in the service code. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
  4. **Serial Number** - A serial number type code that uniquely identifies a special services circuit having the same prefix, service code, and service code modifier within a network operator or carrier assigning the circuit identification (1-6 numeric characters).
  5. **Suffix** - A serial number type code that relates a group of special services circuits having the same service code for the same customer, and with similar termination equipment at each end (1-3 numeric characters).

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

6. **Assigning Company ID** - A standardized code that uniquely Identifies the network operator or carrier assigning the circuit identification. Valid entries are outlined in Telcordia Technologies practice BR 751-100-112 (2-4 alpha characters).
7. **Segment Number** - A serial number type code that uniquely identifies each termination point of a special services circuit, when the circuit has more than two termination points, i.e. multi-point circuit (1-3 alpha/numeric characters).

**EXAMPLE:** A2/LBFS/032719/001/NY

3. COMMON LANGUAGE Message Trunk Circuit Codes (CLCI MSG Codes) This format is defined in ANSI T1.266, Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System and consists of the following elements:
  1. **Trunk Number** - A serial number type code that identifies a specific trunk in a trunk group (1-4 numeric characters).
  2. **Traffic Class** - A standardized code that designates an engineering categorization, e.g., grade of service, alternate route. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha characters).
  3. **Office Class** - A standardized code that designates the highest level of switching performed by the traffic units or offices terminating the trunk or trunk group. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha/numeric characters).

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

4. **Traffic Use Code** - A standardized code that designates the type of traffic offered to the trunk group, e.g., inter-end office, tandem access, directory assistance. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha characters).
5. **Trunk Type Modifier** - A standardized code that indicates specialized use of the trunk or trunk group. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (1-7 alpha/numeric characters).
6. **Location A** - A standardized code that uniquely identifies the location of facility terminal A. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (11 alpha/numeric characters).
7. **Address Signaling** - A standardized code that uniquely identifies the type of signals used to direct a call to its destination. Valid entries are outlined in Telcordia Technologies practice BR 795-400-100 (2 alpha/numeric characters).
8. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (11 alpha/numeric characters).

**EXAMPLE:** 1234/AF54IECN/MDSNWI16CG0/M-  
/DSNWI020IT/DF55IE/BSTNMAAACG0/M-  
/MCDNMACOCG1

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

4. COMMON LANGUAGE Facility Codes – (CLFI Codes) This format is defined in ANSI T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System and consists of the following elements:
  1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
  2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
  3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
  4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
  5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**45. ECCKT - Exchange Company Circuit ID (continued)**

**VALID ENTRIES (continued):**

**NOTE 1:** Either Location A or Z must be 11 characters.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

This format may be up to 42 characters in length, which includes space for depicting a range of numbers.

**NOTE 1:** For identification of a High Capacity facility to a HUB location.

**NOTE 2:** Refer to the CFA field for a description of the components that comprise a facility ID.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “N”, “C”, “D”, “M” or “T”, and the first position of the TQ field on the ASR Form is not “S”.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Prohibited when EVCI field on the ASR Form is “A”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

#### **46. NHN - Non-Hunting Number**

Identifies non-hunt telephone numbers in ESS multi-line groups.

**NOTE 1:** Only valid for FGA and WAL service.

**NOTE 2:** A multi-line hunt group may contain one or more lines which do not hunt when dialed directly.

**NOTE 3:** When more than one number is provided use the additional ECCKT Sections of the form.

**NOTE 4:** When the customer populates the NHNI field, the provider will provide the non-hunt telephone number.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “N” or “C”, the first position of the REQTYP field on the ASR Form is “A” or “W”, and the NHNI field on the FGA or WAL Form is populated.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLE:** |6|2|9|6|5|0|6|

#### **47. REF NUM - Reference Number**

This field is used to identify a circuit or circuits segment on a request for multiple circuits.

**NOTE 1:** REF NUM may be used by the customer and the provider for control and tracking purposes during the provisioning process.

**NOTE 2:** For each circuit segment the REF NUM must be unique beginning with “0001” and incrementing by one for each additional circuit segment.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, and the second position of the TQ field on the ASR Form is not “N” or “X”.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|2|3

#### **48. FCKT - Facility Circuit Identification**

Identifies the Facility ID, which has been assigned to the digital interface being designed to accommodate the request for switched access lines or trunks.

**NOTE 1:** The format of this field is defined COMMON LANGUAGE standards.

**NOTE 2:** Multiple facilities are identified with a series or range of facility designations.

**NOTE 3:** Facility designation series are separated with a comma.

**NOTE 4:** Facility designation range, upper and lower limits are separated by a hyphen.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NC1 field on the FGA or Trunking Form is populated, and the RT field is "F".

**NOTE 2:** Prohibited when the first position of the LTP field on the ASR Form is "A", "G", "H", "I", "J" or "K".

**NOTE 3:** Prohibited when the LTP field on the ASR Form is not populated.

**NOTE 4:** Prohibited when the RT field is "B".

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**48. FCKT - Facility Circuit Information (continued)**

**EXAMPLES:** |1|0|1| / |T|1| / |M| I |L|W|W| I |A|U|W|O|1| / | |

                  |M| I |L|W|W| I |1|3|C|G|O| | | | |

                  | | | | | | | | | | | | | | | | | |

**NOTE 1:** This example indicates a single facility.

|1|0|1|, |1|0|3|, |1|0|5| / |T|1| / |M| I |L|W|W|

|I|A|U|W|O|1| / |M| I |L|W|W| I |1|3|C|G|O| | |

                  | | | | | | | | | | | | | | | | | |

**NOTE 1:** This example indicates multiple facilities – non-sequential entry.

|1|0|1| - |1|0|5| / |T|1| / |M| I |L|W|W| I |A|U|W|

|O|1| / |M| I |L|W|W| I |1|3|C|G|O| | | | | | |

                  | | | | | | | | | | | | | | | | | |

**NOTE 1:** This example indicates multiple facilities - range entry.

#### **49. HBAN - High Capacity Channel Billing Account Number**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customers.

##### **VALID ENTRIES:**

Valid Billing Account Number  
NB = Multi-EC Non-billing provider

**NOTE 1:** “NB” represents a non-billing provider that is involved in providing this access service.

**NOTE 2:** When the customer has populated an “E” in the HBAN field on the ASR Form, the provider returns a HBAN on the Confirmation Notice Form (CN). If the customer determines the HBAN is incorrect it is the customer’s responsibility to coordinate the correct HBAN assignment.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HBAN is different than the HBAN provided on the request or is not populated with “E”, and the ASC-EC field on the ASR Form is blank.

**NOTE 2:** Optional when the ASC-EC field on the ASR Form is populated and the UNE field on the ASR Form is not populated.

**NOTE 3:** Otherwise prohibited.

**49. HBAN – High Capacity Channel Billing Account Number**  
(continued)

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1| - |3|5|8|2|

## 50. NK - Network Configuration

Identifies that the request was provided in an on-net or off-net configuration.

### **VALID ENTRIES:**

- A = On-net Configuration
- B = Off-net Configuration
- C = On-net SECLOC/On-net SWC (Single)
- D = On-net SECLOC/On-net SWC (Diverse)

**NOTE 1:** A valid entry of “A” (on-net) indicates a survivable node at the SWC of the service termination point, and may be applicable during the FOC process.

**NOTE 2:** A valid entry of “B” (off-net) indicates a non-survivable node at the SWC of the service termination point, and may be applicable during the FOC process.

**NOTE 3:** A valid entry of “C” (On-net SECLOC/On-net SWC) (Single) indicates a survived SECLOC, with path diversity, with no SWC diversity.

**NOTE 4:** A valid entry of “D” (On-net SECLOC/On-net SWC) (Diverse) indicates a survived SECLOC and survived SWC with Ring diversity.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **51. CKR - Customer Circuit Reference**

Identifies the circuit number or range of circuit numbers being used by the customer.

**NOTE 1:** CKR is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CKR field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

## **52. CKR1 - Customer Circuit Reference (T1)**

Identifies the circuit number or range of circuit numbers used by the customer for the T1 Transport involved.

**NOTE 1:** CKR1 is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CKR1 field on the FGA Form or Trunking and ACI Forms are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

### **53. LEGNUM - Multipoint Leg Number**

Identifies the number assigned by the customer to this leg (segment) of a multipoint circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LEGNUM field on the MSL Form is populated and the RT field is not “B”, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

1	7	5			
---	---	---	--	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

#### **54. TRN - Trunk Number**

Identifies a specific customer trunk number or trunk number range.

**NOTE 1:** Trunk number component in the message format is a variable length, one to four character numeric code and trunk numbers of fewer than 4 characters are left justified with remaining spaces not filled. Leading zeros are not to be used as part of the trunk number. However, the trunk number zero is allowed.

##### **VALID ENTRIES:**

0-9999

**NOTE 1:** A four numeric entry or range of four numeric entries.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F” and the TRN field on the Trunking and/or ACI Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 preprinted hyphen indicating a range)

**EXAMPLES:** 0|2|2|0|-|0|2|5|9|

0|2|2|5|-| | | | |

## 55. TCIC - Trunk Circuit Identification Code

Identifies a specific trunk for which CCS is being performed as assigned by the customer.

**NOTE 1:** This entry must be identical to the TCIC entry on the Trunking and/or ACI Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F” and the TCIC field on the Trunking and/or ACI Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen indicating a range.)

**EXAMPLE:**

0	2	3	4	5	-					
---	---	---	---	---	---	--	--	--	--	--

**56. ORD - Order Number**

Identifies the provider service order number for the requested service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”.

**NOTE 2:** Prohibited when the RT field is “B” or the EVCI field on the ASR Form is “A”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** C|8|6|0|2|4|1|6| | | | | | | | | | |

**57. FORD - Facility Order Number**

Identifies the provider service order number for the trunk facility.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "D", the FCKT field is populated and the RT field is "F".

**NOTE 2:** Prohibited when the RT field is “B” or “S”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|8|6|0|2|4|1|6| | | | | | | | | | | | | |

**58. CRO - Complete with Related Order Number**

Identifies the related provider order number or range of order numbers to be completed on the same date as the Access Service Request due date.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the RT field is “B”, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** | N | 2 | 0 | 3 | 5 | 1 | 9 | | | | | | | | | | | |

## **59. ASG - Access Service Group**

Identifies the access service group assigned to a particular circuit or group of circuits.

**NOTE 1:** This number appears on the Customer Service Record (the billing service charge details) which is forwarded to the customer.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

## 60. SSWC - SECLOC Serving Wire Center

Identifies the CLLI Code of the local or alternate serving central office for the secondary location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**60. SSWC - SECLOC Serving Wire Center (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** This field is optional for switched Ethernet services.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “S” and the EVCI field on the ASR Form is “A”.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Prohibited when the UNE field is populated.

**NOTE 4:** Required when the RT field is “F”, the ACT field on the ASR Form is “N” and the request is not a switched Ethernet service.

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** [A|T|L|N|G|A|C|X|D|S|0]

## 61. TSC - Two Six Code

Identifies a code assigned to a trunk group or CCS Link Set.

**NOTE 1:** The code is unique to each established trunk group or CCS Link Set.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", the first position of the REQTYP field on the ASR Form is "M" and the RT field is "F".

**NOTE 2:** Prohibited when the RT field is "B".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|E|3|4|5|6|7|8|

## **62. TRKQTY - Trunk Quantity**

Identifies the number of trunks provided to the customer for service ordered in trunks or busy hour minutes of capacity.

**NOTE 1:** The total of all TRKQTY entries must equal the entry in the QTY field on the ASR Form when that entry is in trunks.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field is “F”, the ACT field on the ASR Form is “N”, “C”, “D” or “M”, the UNIT field on the ASR Form is populated and the first position of the REQTYP field on the ASR Form is “M”.

**NOTE 2:** Prohibited when the RT field is “B”.

**NOTE 3:** Prohibited when the UNIT field on the ASR Form is not populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**      7

### **63. DTN - Discrete Telephone Number**

Identifies the telephone number assigned in some central offices (e.g., 1/1A ESS) to provide call routing.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the RT field is “B”, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 3|0|1 - 4|5|9 - 5|0|6|0

### **3.2 VIRTUAL CIRCUIT SECTION**

#### **64. EVCID – Ethernet Virtual Connection Circuit Identifier**

Identifies the provider assigned Ethernet Virtual Connection identifier.

**NOTE 1:** The provider assigning this EVCID determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When the EVCI field on the ASR Form is populated the customer is ordering an Ethernet Virtual Connection circuit. The circuit identification will follow the COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) - Serial Number format and will appear when applicable in the EVCID field on the EVC Form.

#### **VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.3 and 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when RT field is “F” and the EVCI field on the ASR Form is populated, otherwise prohibited.

**64. EVCID** – Ethernet Virtual Connection Circuit Identifier  
(continued)

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** |9|2|/|V|L|X|X|/|1|2|3|4|5|6|/|/|O|B|\_|\_|



## **65. EVCORD – Ethernet Virtual Connection Order Number**

Identifies the provider service order number for the Ethernet Virtual Connection requested service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EVCI field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** [C|8|6|0|2|4|1|6| | | | | | | | | | | | | | | | ]

## **66. EVCCKR - Ethernet Virtual Connection Customer Circuit Reference**

Identifies the circuit number used by the customer.

**NOTE 1:** EVCCKR is used by the customer as a cross reference to the provider EVC ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EVCCKR field on the EVC Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

**67. EVC/VC NUM – Ethernet Virtual Connection/Virtual Connection Number**

Identifies each EVC/VC as a unique number.

**NOTE 1:** Once EVC/VC NUM is generated, it cannot be changed and is retained through completion of the request.

**NOTE 2:** The values are to be assigned consecutively beginning with “0001” and incrementing by one for each additional VC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “V” or “X” and the VC NUM on the VC Form is populated.

**NOTE 2:** Required when the EVCI field on the ASR Form is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|0|3|

## **68. DLCI - Data Link Connection Identifier**

Identifies the logical connection address between the provider switch and the circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “V” or “X” and the BSC field on the Transport or EUSA Form is “F” and the VST field on the VC Form is “A”, “C” or blank and the NVC field on the Transport or EUSA Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 1 6    

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 69. VPI - Virtual Path Identifier

Identifies the logical connection address between the provider's switch and the circuit for the virtual path requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", the VST field on the VC Form is "B" or blank, and the VCACT field on the VC Form is "D", "N" or "R".

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", the VST field on the VC Form is "B" or blank and the VCACT field on the VC Form is "K".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

6	2	3	
---	---	---	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 70. VCI - Virtual Circuit Identifier

Identifies the logical connection address between the provider switch and the circuit for the virtual circuit requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “V” or “X”, the BSC field on the Transport or EUSA Form is “C”, the VST field on the VC Form is “A”, “C” or blank, the VCACT field on the VC Form is “D”, “N” or “R” and the CTYP field on the VC Form is not “P”.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is “V” or “X”, the BSC field on the Transport or EUSA Form is “C” the VST field on the VC Form is “A”, “C” or blank, the VCACT field on the VC Form is “K” and the CTYP field on the VC Form is not “P”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:** |6|3| | | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|6|3|0|1|1|

## **71. UREF – User Network Interface (UNI) Reference Number**

Identifies the reference number associated to the UNI port on which EVC mapping requirements will be applied.

### **VALID ENTRIES:**

01 – 20

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EVCI field on the ASR Form is populated and the associated CE-VLAN field is supplied by the provider, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** | 1 | 0 |

## **72. S-VLAN – Service Virtual Local Area Network**

An identifier found within the service tag (commonly referred to in MEF 26.1 as S-TAG) which is typically associated with OVC end points at an ENNI.

### **VALID ENTRIES:**

0001 - 4095

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated NCI field on the EVC Form specifies an S-VLAN based map, and the S-VLAN is assigned by the provider, otherwise prohibited.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 pre-printed hyphen)

**EXAMPLES:**

0	7	5	2	-			
---	---	---	---	---	--	--	--

0	7	5	0	-	0	7	5	9
---	---	---	---	---	---	---	---	---

### **73. CE-VLAN – Customer Edge Virtual Local Area Network**

An identifier derivable from a content of a service frame that allows the service frame to be associated with an EVC at the UNI.

#### **VALID ENTRIES:**

0001 – 4095

**NOTE 1:** For a VLAN based map with many to one bundling, multiple four numeric CE-VLANS are returned to describe a list and/or ranges. Each UNI termination point must contain the same set of CE-VLAN values.

**NOTE 2:** Only one four numeric CE-VLAN entry is returned for all other VLAN based map types.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated NCI field on the EVC Form specifies a VLAN based map and a CE-VLAN is assigned by the provider, otherwise prohibited.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

0	7	5	0	-				
---	---	---	---	---	--	--	--	--

**NOTE 1:** This example depicts a single CE-VLAN entry. Multiple single entries may be populated to comprise a list of non contiguous CE-VLANs.

0	7	5	0	-	0	7	5	9
---	---	---	---	---	---	---	---	---

**NOTE 1:** This example depicts a range of CE-VLANs.

### 3.2.1 RELATED CIRCUIT SECTION

#### **74. RECKT - Related Exchange Company Circuit Identification**

Identifies the related provider physical circuit ID against which the VC activity is requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RECKT field on the VC Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** | 1 | 1 | . | H | W | D | K | . | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | | |

## 75. RDLCI - Related Data Link Connection Identifier

Identifies the logical connection address between the provider's switch and the related circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "F", the VST field on the VC Form is blank, and the NVC field on the Transport or EUSA Form is populated.

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", the VST field on the VC Form is "B", and the NVC field on the Transport or EUSA Form is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

1	7		
---	---	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 76. RVPI - Related Virtual Path Identifier

Identifies the logical connection address between the provider's switch and the related circuit for the virtual path requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", the VST field on the VC Form is blank, the VCACT field on the VC Form is "D", "N" or "R" and the RECKT field on the VC Form is populated.

**NOTE 2:** Prohibited when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "F", and the VST field on the VC Form is blank.

**NOTE 3:** Prohibited when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", and the VST field on the VC Form is "B".

**NOTE 4:** Prohibited when the first position of the REQTYP field on the ASR Form is not "V" or "X".

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 9 7    

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 77. RVCI - Related Virtual Circuit Identifier

Identifies the logical connection address between the provider's switch and the related circuit for the virtual circuit requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", the VST field on the VC Form is blank, the VCACT field on the VC Form is "D", "N" or "R" and the RECKT field on the VC Form is populated.

**NOTE 2:** Prohibited when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "F", and the VST field on the VC Form is blank.

**NOTE 3:** Prohibited when the first position of the REQTYP field on the ASR Form is "V" or "X", the BSC field on the Transport or EUSA Form is "C", and the VST field on the VC Form is "B".

**NOTE 4:** Prohibited when the first position of the REQTYP field on the ASR Form is not "V" or "X".

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:** |6|3| | | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

|6|3|0|1|1|

**78. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |1|of|1|3|

### 3.3 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Confirmation Notice Form.

CN FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
AP REP	10	Provider Contact
AP REP TEL	11	Provider Contact Telephone Number
APP	17	Application Date
ASG	59	Access Service Group
ASR NO	4	Access Service Request Number
BAN	26	Billing Account Number
CCNA	1	Customer Carrier Name Abbreviation
CB TEL NO	41	Conference Bridge Telephone Number
CBPC	42	Conference Bridge Passcode Number
CD/TSENT	9	Confirmation Date and Time Sent
CDLRD	20	Confirming Design Layout Report Date
CE-VLAN	73	Customer Edge Virtual Local Area Network
CIWBAN	35	Corrected Inside Wire Billing Account Number
CKR	51	Customer Circuit Reference
CKR1	52	Customer Circuit Reference (T1)
CNO	16	Case Number
CRO	58	Complete With Related Order Number
DD	22	Due Date
DLCI	68	Data Link Connection Identifier
DLRD	19	Design Layout Report Date
DTN	63	Discrete Telephone Number
EBD	25	Effective Bill Date
EC VER	29	Exchange Carrier Version
ECCKT	45	Exchange Company Circuit ID
ECSPC	36	Exchange Company Signaling Point Code
EMAIL	12	Electronic Mail Address
ESP	39	Ethernet Service Point
EVC/VC NUM	67	Ethernet Virtual Connection /Virtual Connection Number

## CN FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
EVCCR	66	Ethernet Virtual Connection Customer Circuit Reference
EVCID	64	Ethernet Virtual Connection Identifier
EVCORD	65	Ethernet Virtual Connection Order Number
FCDLRD	32	Facility Confirming Design Layout Report Date
FCKT	48	Facility Circuit Identification
FDD	34	Facility Due Date
FDT	40	Frame Due Time
FDLRD	31	Facility Design Layout Report Date
FNI	37	Fiber Network Identification
FORD	57	Facility Order Number
FPTD	33	Facility Plant Test Date
HBAN	49	High Capacity Channel Billing Account Number
ICSC	8	Interexchange Customer Service Center
INIT	7	Initiator
LAG-ID	43	Link Aggregation Group ID
LENUM	53	Multipoint Leg Number
NFR	23	Network Facility Requirement
NFRT	24	Network Facility Requirement Type
NHN	46	Non-Hunting Number
NK	50	Network Configuration
ORD	56	Order Number
PG_of_	78	Page_of_
PIA	13	Provider Initiated Activity
PON	2	Purchase Order Number
PROJECT	15	Project Identification
PROVINT	14	Provisioning Interval
PTD	21	Plant Test Date
RDLCI	75	Related Data Link Connection Identifier
RECCKT	74	Related Exchange Company Circuit Identification
REF NUM	47	Reference Number
REMARKS	44	Remarks
RT	6	Response Type

## CN FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
RTI	38	Route Index
RVC1	77	Related Virtual Circuit Identifier
RVPI	76	Related Virtual Path Identifier
SC	28	Special Construction Requirement
SECLOC	30	Secondary Location
SPA	5	Special Action Indicator
SRN	18	Service Reservation Number
SSWC	60	SECLOC Serving Wire Center
S-VLAN	72	Service Virtual Local Area Network
SWC	27	Serving Wire Center
TCIC	55	Trunk Circuit Identification Code
TRKQTY	62	Trunk Quantity
TRN	54	Trunk Number
TSC	61	Two Six Code
UREF	71	User Network Interface Reference Number
VCI	70	Virtual Circuit Identifier
VER	3	Version Identification
VPI	69	Virtual Path Identifier

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. CONFIRMATION NOTICE (CN) FORM NUMBERED**

**Confirmation Notice**

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO	SPA	RT	INIT
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
ICSC	CD/TSENT	AP REP	AP REP TEL					
[8]	[9]	[10]	[11]	-	-	-	-	-
EMAIL								PIA
[12]								[13]
PROVINT	PROJECT	CNO	APP	SRN				
[14]	[15]	[16]	[17]	[18]				
DLRD	CDLRD	PTD	DD	NFR	NFRT	EBD	BAN	
[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	
SWC	SC	EC VER	SELOC	FDLRD	FCDLRD	FPTD	FDD	
[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]	
CMBAN	ECSPC		FNI	RTI	ESP			
[35]	[36]	-	[37]	[38]	[39]			
FDT	CB TEL NO	CBPC	LAG-ID					
[40]	[41]	-	[42]	[43]				

**REMARKS**

[44]								
ECKT						NHN	REF NUM	
[45]						[46]	[47]	
FCKT						HBAN	NK	
[48]						[49]	[50]	
CKR								
[51]								
CKR1				LEGNUM	TRN	TCIC		
[52]				[53]	[54]	-	[55]	-
ORD	FORD		ORO				ASG	SSWC
[56]	[57]		[58]				[59]	[60]
TSC	TRKQTY	DTN						
[61]	[62]	[63]	-					

PG OF  
[78] [ ]

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. CONFIRMATION NOTICE (CN) FORM NUMBERED (continued)

(Insert Your Company Logo Here)

#### Confirmation Notice Form (continued)

V50  
03/15

Administrative Section			CCNA	PON	VER	ASR NO	SPA	RT	INIT		
ICSC	CD/TSENT		1 1	2	3	4	5	6	7		
ECCKT			8	9	10	11	-	-	-	14	PROVINT
FCKT			4 5				4 5			4 6	NHN REF NUM
CKR			5 1								NK
CKR1			5 2			5 3	LEGNUM	5 4	TRN	5 5	TCIC
ORD			5 6		FORD	5 7	CRO	5 8		5 9	ASG
TSC	TRKQTY	DTN	6 1	6 2	6 3	-	6 0			6 0	SSWC
ECCKT			6 1	6 2	6 3	-	6 0			6 0	PG OF
FCKT			4 5				4 6			4 7	NHN REF NUM
CKR			4 8				4 9			5 0	NK
CKR1			5 1								
ORD			5 2		FORD	5 7	CRO	5 8		5 9	ASG
TSC	TRKQTY	DTN	5 6	5 7	5 8		5 9			5 0	SSWC
ECCKT			6 1	6 2	6 3	-	6 0			6 0	PG OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. CONFIRMATION NOTICE (CN) FORM NUMBERED (continued)

(Insert Your Company Logo Here)

### Confirmation Notice Form (Virtual Connection)

V50  
03/15

#### Administrative

CCNA	PON	VER	ASR NO
[1]	[2]	[3]	[4]

#### Virtual Circuit Section

EVCID											EVCORD											
[6 4]											[6 5]											
EVCCR																						
[6 6]																						
EVC/C NUM	DLCI	VPI	VCI	UREF	S-VLAN						S-VLAN						S-VLAN					
[6 7]	[6 8]	[6 9]	[7 0]	[7 1]	[7 2]						[7 2]						[7 2]					
CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN						CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN							
[7 3]	[7 3]	[7 3]	[7 3]	[7 3]	[7 3]						[7 3]	[7 3]	[7 3]	[7 3]	[7 3]							
CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN						CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN							
[7 3]	[7 3]	[7 3]	[7 3]	[7 3]	[7 3]						[7 3]	[7 3]	[7 3]	[7 3]	[7 3]							

#### Related Circuit Section

RECKT											RDLCI	RVPI	RVCI
[7 4]											[7 5]	[7 6]	[7 7]

#### Virtual Circuit Section

EVCID											EVCORD											
[6 4]											[6 5]											
EVCCR																						
[6 6]																						
EVC/C NUM	DLCI	VPI	VCI	UREF	S-VLAN						S-VLAN						S-VLAN					
[6 7]	[6 8]	[6 9]	[7 0]	[7 1]	[7 2]						[7 2]						[7 2]					
CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN						CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN							
[7 3]	[7 3]	[7 3]	[7 3]	[7 3]	[7 3]						[7 3]	[7 3]	[7 3]	[7 3]	[7 3]							
CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN						CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN	CE-VLAN							
[7 3]	[7 3]	[7 3]	[7 3]	[7 3]	[7 3]						[7 3]	[7 3]	[7 3]	[7 3]	[7 3]							

#### Related Circuit Section

RECKT											RDLCI	RVPI	RVCI
[7 4]											[7 5]	[7 6]	[7 7]

PG OF  
[7|8] [ ]

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. CONFIRMATION NOTICE (CN) FORM CAMERA READY

V50  
03/15

(Insert Your Company Logo Here)

### Confirmation Notice

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO	SPA	RT	INIT	
ICSC	CD/TSENT	AP REP		AP REPTEL					
EMAIL		PIA							
PROVINT	PROJECT	CNO	APP	SRN					
DLRD	CDLRD	PTD	DD	NFR	NFRT	EBD	BAN		
SWC	SC	EC VER	SELOC	FDLRD	FCDLRD	FPTD	FDD		
CMWBAN	ECSPC	FNI	RTI	RTI	ESP				
FDT	CB TEL NO	CBPC	LAG-ID						
<b>REMARKS</b>									
ECKT		NHN			REF NUM				
FCKT		HBAN			NK				
CKR									
CKR1		LEGNUM	TRN	TCIC					
ORD	FORD	CRO	ASG	SSWC					
TSC	TRKQTY	DTN							
PG      OF									

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
 Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
 Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. CONFIRMATION NOTICE (CN) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here)

## **Confirmation Notice Form (continued)**

V50  
03/15

Administrative Section			CCNA	PON	VER	ASR NO	SPA	RT	INIT
ICSC	CD/TSENT	AP REP			AP REP TEL				PROV INT
ECKKT							NHN	REF NUM	
FCKT							HBAN		NK
CKR									
CKR1					LEGNUM	TRN	TCIC		
ORD	FORD			CRO		ASG	SSWC		
TSC	TRKQTY	DTN	-	CRO				PG	OF
ECKKT						NHN	REF NUM		
FCKT						HBAN		NK	
CKR									
CKR1				LEGNUM	TRN	TCIC			
ORD	FORD			CRO		ASG	SSWC		
TSC	TRKQTY	DTN	-	CRO				PG	OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. CONFIRMATION NOTICE (CN) FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

### Confirmation Notice Form (Virtual Connection)

V50  
03/15

#### Administrative

CCNA PON VER ASR NO

#### Virtual Circuit Section

EVCID EVCORD  
   
EVCCR  
  
EVC/V/C NUM DLCI VPI VCI UREF S-VLAN S-VLAN S-VLAN  
         
CE-VLAN CE-VLAN CE-VLAN CE-VLAN CE-VLAN  
      
CE-VLAN CE-VLAN CE-VLAN CE-VLAN CE-VLAN

#### Related Circuit Section

RECKT RDLCI RVPI RVC

#### Virtual Circuit Section

EVCID EVCORD  
   
EVCCR  
  
EVC/V/C NUM DLCI VPI VCI UREF S-VLAN S-VLAN S-VLAN  
         
CE-VLAN CE-VLAN CE-VLAN CE-VLAN CE-VLAN  
      
CE-VLAN CE-VLAN CE-VLAN CE-VLAN CE-VLAN

#### Related Circuit Section

RECKT RDLCI RVPI RVC

PG OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404012-0050**

**Ports Configuration (PC) Form  
Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404012-0050  
Ports Configuration (PC) Form Preparation Guide - Access Service Ordering Guidelines  
(ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>."

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

POR TS CONFIGURATION (PC) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. PORTS CONFIGURATION (PC) FORM DESCRIPTION	2-1
3. PORTS CONFIGURATION (PC) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 PORTS DETAIL SECTION	3-7
3.3 ALPHA/NUMERIC GLOSSARY	3-17
4. PORTS CONFIGURATION (PC) FORM NUMBERED	4-2
5. PORTS CONFIGURATION (PC) FORM CAMERA READY	5-4

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Ports Configuration (PC) Form entries. The PC Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the PC Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. PORTS CONFIGURATION (PC) FORM DESCRIPTION**

2.1 The PC Form is used to provide all the information required for ordering specific equipment ports configuration associated with a multiplexer or node, e.g., SONET/DWDM.

2.2 The PC Form may be associated with one of the following service specific forms:

- Trunking Request when ordering a switched facility
- Transport Request when ordering a point to point service
- End User Special Access Request
- Ring/Additional Ring Information Request

2.3 The PC and Multipoint Service Legs (MSL) Forms are mutually exclusive for the life of the ASR.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. PORTS CONFIGURATION (PC) FORM ENTRIES**

The PC Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the PC Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** U|T|C

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

**5. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |1|of|1|3|

### **3.2 PORTS DETAIL SECTION**

#### **6. REF NUM – Reference Number**

Identifies the circuit or circuit segment against which the ports information is applied.

**NOTE 1:** The REF NUM entry on the PC Form must match the REF NUM entry for which the ports configuration is applicable.

#### **VALID ENTRIES:**

0001 - 9999

**NOTE 1:** An entry other than 0001 is only applicable when the Additional Ring Information (ARI) Form is used in conjunction with the request.

**NOTE 2:** When the REQTYP field on the ASR Form is “E”, “M”, or “S” an entry of 0001 in this field designates that the information provided on the PC Form is applicable to all of the requested circuits.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

0	0	2	3
---	---	---	---

## 7. **PI – Primary Location Indicator**

Identifies that the multiplexer or node is at the primary location (PRILOC/ACTL/FACTL).

### **VALID ENTRIES:**

Y = Primary Location (PRILOC/ACTL/FACTL)

**NOTE 1:** Absence of an entry in the PI field assumes that the location is a secondary location (SECLOC).

**NOTE 2:** Only one PI field entry per request can be identified except when ordering Ring service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the PQPR field on the Trunking, Transport, Ring, ARI, or EUSA Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**8. PREF - Ports Reference Number**

Identifies the reference number associated to the port configuration being requested.

**NOTE 1:** The PREF is a customer consecutively assigned value beginning with "01".

**VALID ENTRIES:**

01 - 99

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 01

## 9. **PTYP** - Ports Type

Identifies the configuration needed for the port within the multiplexer or node.

### **VALID ENTRIES:**

AA = Digital Video  
AB = DS1 Digital Signal 1.544 Mbps  
AC = DS3 Digital Signal 44.736 Mbps  
AD = EC1 SONET Electrical STS  
AE = ESCON<sup>TM</sup>  
AF = Ethernet 10 Mbps Electrical  
AG = Ethernet 10 Mbps Fiber  
AH = Ethernet Fractional 10 Mbps  
AJ = Ethernet 100 Mbps Electrical  
AK = Ethernet 100 Mbps Fiber  
AL = Ethernet Fractional 100 Mbps  
AM = Ethernet 1 Gbps  
AN = Ethernet Rate Adjustable 1 Gbps  
AP = Ethernet 10 Gbps  
AQ = ETR<sup>TM</sup> 16 Mbps  
AR = FDDI (Fiber Distributed Data Interface)  
AS = Fibre Channel 133 Mbps  
AT = Fibre Channel 266 Mbps  
AU = Fibre Channel 531 Mbps  
AV = Fibre Channel 1 Gbps  
AW = Fibre Channel 2.125 Gbps  
AX = FICON<sup>TM</sup> 1 Gbps  
AY = FICON 2.125 Gbps  
AZ = Flexible Rate SONET  
BA = ISC<sup>TM</sup> 1 Gbps  
BB = OC1 Optical Carrier Level 1  
BC = OC3 Optical Carrier Level 3  
BD = OC3c Concatenated Optical Carrier Level 3  
BE = OC12 Optical Carrier Level 12  
BF = OC12c Concatenated Optical Carrier Level 12  
BG = OC48 Optical Carrier Level 48

---

<sup>TM</sup> ESCON, ETR, FICON and ISC are trademarks of IBM.

## 9. PTYP - Ports Type (continued)

### **VALID ENTRIES: (continued)**

BH = OC48c Concatenated Optical Carrier Level 48  
BJ = OC192 Optical Carrier Level 192  
BK = OC192c Concatenated Optical Carrier Level 192  
BL = OC768 Optical Carrier Level 768  
BM = STM 1 Synchronous Transport Module  
BN = STM 4 Synchronous Transport Module  
BP = STM 16 Synchronous Transport Module  
BQ = STM 64 Synchronous Transport Module  
BR = Transmux DS3 Electrical  
BS = Wavelength Channel 2 Port Drop Side Mux  
BT = Wavelength Channel 4 Port Drop Side Mux  
BU = Wavelength Channel 8 Port Drop Side Mux  
BV = Wavelength Channel 1.25 Gbps  
BW = Wavelength Channel 2.5 Gbps  
BX = Wavelength Channel 10 Gbps  
BY = Wavelength Channel 40 Gbps  
ZZ = Customer/Provider Negotiated Ports Type

**NOTE 1:** The value of "ZZ" is used to allow ordering to continue for new Port Type configurations established within the industry. It is expected that providers utilizing the value of "ZZ" will submit OBF issues to care for their specific needs and Port Type configurations.

**NOTE 2:** Unless specifically noted in the valid entry descriptions as being an electrical configuration, it is assumed to be optical.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the corresponding PREF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |A|A|

**10. PQTY - Wired Ports Quantity**

Identifies the quantity of ports being wired out by the provider for a specific Port Type within the multiplexer or node.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the corresponding PREF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 1 | 0 |

## **11. EQP - Equipped**

Identifies that the corresponding PTYP and PQTY fields being requested are to be equipped with the necessary port equipment/plugs, if offered by the provider, for the multiplexer or node.

### **VALID ENTRIES:**

Y = Equipped

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the corresponding PREF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **12. MODE - Fiber Mode**

Identifies the number of light rays transmitted over an optical fiber core diameter measured in microns.

### **VALID ENTRIES:**

- A = Single mode
- B = Multi mode with 50 micron core diameter
- C = Multi mode with 62.5 micron core diameter

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the corresponding PTYP field is “AB”, “AC”, “AE”, “AF” or “BR”, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**13. PWR - Power**

Identifies the customer's required minimum loss in decibels for fiber optic services within the provider's offered ranges.

**VALID ENTRIES:**

00 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the corresponding MODE field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLES:** 1|0

0|5

## **14. WAVELENGTH - Wavelength**

Identifies the ANSI or ITU grid assignment in nanometers.

### **VALID ENTRIES:**

ANSI or ITU wavelength

**NOTE 1:** Entries in this field are outlined in T1.231/GR-253-CORE and ITU G.692.

**NOTE 2:** When specifying an ITU wavelength, the corresponding PQTY field can not be greater than "1".

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the corresponding PTYP field is "AB" or "AC", otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters (including a decimal)

**EXAMPLES:**

1	5	5	0	.	0	0
---	---	---	---	---	---	---

8	5	0	.	0	0	
---	---	---	---	---	---	--

### **3.3 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the PORTS CONFIGURATION (PC) Form fields.

PC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
EQP	11	Equipped
MODE	12	Fiber Mode
PG_of_	5	Page_of_
PI	7	Primary Location Indicator
PON	2	Purchase Order Number
PQTY	10	Wired Ports Quantity
PREF	8	Ports Reference Number
PTYP	9	Ports Type
PWR	13	Power
REF NUM	6	Reference Number
VER	3	Version Identification
WAVELENGTH	14	Wavelength

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### **4. PORTS CONFIGURATION (PC) FORM NUMBERED**

(Insert Your Company Logo Here)

## **PORTS Configuration Form**

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Produced, distributed, or used without the express written permission of the Alliance for Telecommunications  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. PORTS CONFIGURATION (PC) FORM CAMERA READY**

(Insert Your Company Logo Here)

# **PORTS Configuration Form**

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404013-0050**

**End User Special Access (EUSA) Form  
Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404013-0050  
End User Special Access (EUSA) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2014** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>."

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

END USER SPECIAL ACCESS REQUEST  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL _____	1-1
2. EUSA REQUEST DESCRIPTION _____	2-1
3. END USER SPECIAL ACCESS (EUSA) FORM ENTRIES _____	3-1
3.1 ADMINISTRATIVE SECTION _____	3-2
3.2 CIRCUIT DETAIL SECTION _____	3-6
3.3 PRIMARY LOCATION SECTION _____	3-52
3.4 SECONDARY LOCATION SECTION _____	3-72
3.5 ALPHA/NUMERIC GLOSSARY _____	3-96
4. END USER SPECIAL ACCESS REQUEST (EUSA) FORM NUMBERED _____	4-1
5. END USER SPECIAL ACCESS REQUEST (EUSA) FORM CAMERA READY _____	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

- 1.1. This guide describes the End User Special Access (EUSA) Form entries. The EUSA Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the EUSA Form are provided by the customer. The customer is defined as the individual or organization ordering the access service.
- 1.2. This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.
- 1.3. The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.
- 1.4. Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.
- 1.5. Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.
- 1.6. Circuit activity relative to a single existing leg of a multipoint configuration requires the use of an MSL Form.
- 1.7. Circuit activity pertaining to the service address location requires the use of the Service Address Location Information (SALI) Form if the primary and/or secondary location is an end user name.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, NC/NCI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. EUSA REQUEST DESCRIPTION**

2.1 All information required for ordering a special access service where neither end is an ACTL location is provided in the various fields contained within the EUSA Form. The request form provides entries for the specification of ordering options, transmission levels, General Exchange Tariff options and for registration requirements. The Location Section provides entries for describing the termination of the circuit at a provider office location and General Exchange Tariff information.

2.2 End User Special Access is generally ordered between two end user locations. One of the end user locations must be terminated in a circuit which has the capability and requirement to provide a switching function to a jurisdictionally interstate connection or the end-to-end circuit is physically interstate. Both or either circuit location may have the switching capability. Broadcast services need not have the switching capability stated herein. Naming conventions for identification of these locations are assigned or specified as follows. The end user location with a capability to switch the circuit InterLATA is identified as the primary location and the other end user location is identified as the secondary location. When both end user locations have such switching capability, the assignment of the primary versus secondary identification is arbitrary and the choice of the customer. When the circuit is physically interstate, the assignment of primary is arbitrary and is customer assigned.

2.2.1 Another application for use of the EUSA Form is to order between two locations where at least one of the locations has digital cross-connect system (DCS) capabilities. Identification of these locations is as follows:

- When one location is a provider office with DCS capabilities and the other is an end user premises, the assignment of primary versus secondary identification is arbitrary and the choice of the provider.
- When one location is a provider office with multiplexing (MUX) capabilities and the other is an end user premises, the provider office is identified as the secondary location and the end user premises is identified as the primary location.

2.2.2 Another application for use of the EUSA Form is to order between two locations when both locations are provider offices with DCS or multiplexing capabilities. Identification of these locations is as follows:

- When both locations are a provider office with DCS capabilities, the assignment of primary versus secondary identification is arbitrary and the choice of the customer.
- When one location is a provider office with DCS capabilities and the other is a provider office with multiplexing capabilities, the DCS location is identified as the primary location and the provider office with multiplexing capabilities is identified as the secondary location.

2.3. The field entries in the Location Section of the EUSA Form are provided in duplicate with one set of entries for the primary location and one set of entries for the secondary location.

2.4. The Network Channel (NC) code entry appears only in the Primary Location Section of the request form and is applicable to the overall circuit point of termination to point of termination.

2.5. From a provider perspective, the PRILOC is analogous to an ACTL location in the processing of a Special Access request.

2.6. Multipoint access when provided without an ACTL may likely be configured so as each location is similar and no one location corresponds to the backbone of a typical multipoint circuit. Therefore, the circuit portion Primary Location to the provider bridging point should be designated as the backbone and all other locations off the bridge should be designated as legs. The initial (new connect) order would be comprised of the following Forms:

EUSA  
ASR  
MSL for each leg

2.7. The EUSA Form would specify the Primary Location end user with the CKLT field specifying the bridging location that generally would be the serving central office. The NSL (Number of Secondary Locations) field on the EUSA Form would specify the quantity of legs subtending the bridge. These secondary locations would be described using the MSL Forms.

2.8. The multipoint arrangement is ordered utilizing the following entries:

CKLT - Designates the provider wire center which provides bridging.

PRILOC - End User location designated as the circuit backbone.

NSL - Designates the number of end points with circuit activity. An MSL Form equal in number to that specified in the NSL field is required.

Each end point (leg) subtending the bridge is specified on the MSL Form per leg. The order activity for multipoint arrangements is defined as follows:

**ASR ACT field entries:**

- N = New multipoint configuration being ordered (not the addition of a leg)
- C = Change to existing multipoint arrangement includes the addition or deletion of a leg off the bridge point
- D = Disconnect of the entire multipoint arrangement (not a disconnect of a leg)
- M = Not allowed for multipoint (see MSL LEGACT)
- T = Not allowed for multipoint (see MSL LEGACT)
- R = Record order

**MSL LEGACT field Entries**

N = New Leg

D = Disconnect Leg

Outside move is specified with two MSL Forms with the ASR ACT of "C" to change the existing multipoint, one MSL Form with LEGACT of "N" to specify the new location, and one MSL Form with LEGACT of "D" to specify the disconnect of the old location

C = Change of requirements but physical moves of the point of termination not allowed

M = Move – inside move within a building

An inside move is accomplished with a single MSL Form (LEGACT="M") specifying SECLOC information describing the new location within the building. The LEGNUM field identifies the leg

R = Record order (ASR ACT must also be "R")

K = Cancel

### **3. END USER SPECIAL ACCESS (EUSA) FORM ENTRIES**

The EUSA Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.4. Section 3.5 contains an alphabetic listing of the EUSA fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

## **2. PON - Purchase Order Number**

Identifies the customer's or end user's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

### **3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### **4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by a provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

### **3.2 CIRCUIT DETAIL SECTION**

#### **5. NC - Network Channel Code**

Identifies the network channel code for the circuit(s) involved. The network channel code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

**NOTE 2:** If this field indicates that bridging is involved, the bridging location must be specified in the CKLT field.

#### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |L|G|C|B|

## **6. NCI - Network Channel Interface Code**

Identifies the interface characteristics on the circuit at the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System. The Network Channel Code consists of the following elements:

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**6. NCI - Network Channel Interface Code (continued)**

**EXAMPLES:** |0|4|D|B|2|.|.|A|Z| | | |

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

|0|4|D|B|2| | | | | | |

**NOTE 1:** This example indicates no protocol options and transmission levels to be at the default level.

|0|4|D|S|9|.|1|5|K| | |

**NOTE 1:** This example indicates protocol options specified and transmission levels to be at the default level.

|0|4|D|S|9|.|1|5|K|.|A|Z|

**NOTE 1:** This example indicates protocol options and transmission levels specified.

|0|4|D|S|8|.|1|5| |.| -|Z|

**NOTE 1:** This example indicates protocol options and one transmission level specified.

## 7. TLV - Transmission Level

Identifies the required transmission level when a non-standard interface is required at the primary location.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an “I” has been entered in position 8 or 11 of the NCI field and represents the transmission level to be received at the interface from the provider.

**NOTE 3:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the NCI field and represents the transmission level to be transmitted from the interface to the provider.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is “N”, “C” or “T” and position 8 or 11 of the NCI field is “I”.

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is “D”, “M” or “R” and position 8 or 11 of the NCI field is “I”.

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is “N”, “C” or “T” and position 9 or 12 of the NCI field is “I”.

**7. TLV - Transmission Level (continued)**

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the NCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** |+|0|7|.|3|T|-|1|5|.|8|R|

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 9 of the NCI field or an "I" has been entered in position 11 or 12 of the NCI field. Either portion of the field (T or R) may be specified and the other left blank.

## 8. SECTLV - Secondary Transmission Level

Identifies the required transmission level when a non-standard interface is required.

**NOTE 1:** This field should contain a one character plus or minus (+ or -), a two digit number, a decimal point, a one digit number, a one digit plus or minus, a two digit number, a decimal point, and a one digit number.

**NOTE 2:** Positions 1-6 are used when an “I” has been entered in position 8 or 11 of the SECNCI field and represents the transmission level to be received at the interface from the provider.

**NOTE 3:** Positions 7-12 are used when an “I” has been entered in position 9 or 12 of the SECNCI field and represents the transmission level to be transmitted from the interface to the provider location.

**NOTE 4:** Transmission specifications may be described in provider tariffs and/or in technical reference publications.

**USAGE:** This field is conditional.

**NOTE 1:** Positions 1-6 are required when the ACT field on the ASR Form is “N”, “C” or “T” and position 8 or 11 of the SECNCI field is “I”.

**NOTE 2:** Positions 1-6 are optional when the ACT field on the ASR Form is “D”, “M” or “R” and position 8 or 11 of the SECNCI field is “I”.

**NOTE 3:** Positions 7-12 are required when the ACT field on the ASR Form is “N”, “C” or “T” and position 9 or 12 of the SECNCI field is “I”.

**8. SECTLV - Secondary Transmission Level (continued)**

**NOTE 4:** Positions 7-12 are optional when the ACT field on the ASR Form is "D", "M" or "R" and position 9 or 12 of the SECNCI field is "I".

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters (including preprinted T, R and 2 decimal points)

**EXAMPLE:** |+|0|7|.|3|T|-|1|5|.|8|R|

**NOTE 1:** This example implies that an "I" has been entered in position 8 or 9 of the SECNCI field or an "I" has been entered in position 11 or 12 of the SECNCI field. Either portion of the field (T or R) may be specified.

## **9. SECNCI - Secondary Network Channel Interface Code**

Identifies the interface characteristics on the circuit at the secondary end user location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

**NOTE 2:** A CENTREX is considered to be a provider end office termination communicated via the SECLOC field.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required for two point service when the ACT field on the ASR Form is "N", "C" or "T" and the first position of the SECLOC field is an "E" or the first position of the SECLOC field is a "C" and the CLLI code provided represents a Digital Cross Connect System.

**NOTE 2:** Optional for Hi-Cap facilities when the provider provides multiplexing at a provider CO location.

**NOTE 3:** Prohibited for multipoint services.

**NOTE 4:** Otherwise optional.

**9. SECNCI - Secondary Network Channel Interface Code**  
(continued)

**USAGE:** This field is conditional.

**NOTE 1:** Required for two point service when the ACT field on the ASR Form is "N", "C" or "T" and the first position of the SECLOC field is an "E" or the first position of the SECLOC field is a "C" and the CLLI code provided represents a Digital Cross Connect System.

**NOTE 2:** Optional for Hi-Cap facilities when the provider provides multiplexing at a provider CO location.

**NOTE 3:** Prohibited for multipoint services.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** 0|4|D|A|2|.||.||A|Z| | | |

**NOTE 1:** This example indicates no protocol options with transmission levels specified.

**NOTE 2:** If the protocol option field is not coded and the TLP is coded, a double delimiter #1 and #2 will be placed after character position five (5). In this case, delimiter #1 will be in character position six (6), and delimiter #2 will be in character position seven (7). The TLP will be left justified into character positions eight (8) and nine (9) accordingly.

0|4|D|S|9|.||1|5|K|.||A|Z|

**NOTE 1:** This example indicates protocol options and transmission levels specified.

**10. PQPR - Quantity of Port References (PRILOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the PRILOC.

**VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “X”.

**NOTE 2:** Prohibited when the ACT field on the ASR Form is “M”, “T” or “R”.

**NOTE 3:** Prohibited when positions 3 and 4 of the NCI field are “SM”, “SN”, “SP”, “SQ” or position 5 of the NCI field is not “F”.

**NOTE 4:** Prohibited when the NSL field is populated.

**NOTE 5:** Prohibited when the EVCI field on the ASR Form is “B”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |6|9|

## **11. QPR - Quantity of Port References (SECLOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the SECLOC.

### **VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “X”.

**NOTE 2:** Prohibited when the ACT field on the ASR Form is “M”, “T” or “R”.

**NOTE 3:** Prohibited when positions 3 and 4 of the SECNCI field are “SM”, “SN”, “SP”, “SQ” or position 5 of the SECNCI field is not “F”.

**NOTE 4:** Prohibited when the NSL field is populated.

**NOTE 5:** Prohibited when the EVCI field on the ASR Form is “B”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 9|6

## 12. **SR** - Special Routing Code

Identifies the type of special routing requested.

**NOTE 1:** The provider may originate a telephone contact with the customer to ascertain the exact routing requirements.

### **VALID ENTRIES:**

#### 1<sup>st</sup> Character - Primary Location

- A = Cable only
- B = Diversity
- C = Disaster Recovery
- D = Route other than normal
- E = Self-Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at POP/PRILOC
- L = Unprotected Transport
- M = Diversity and Alternate Wire Center
- N = N/A
- X = Provider-Engineered/Custom

#### 2<sup>nd</sup> Character - Interoffice Facility

- 1 = Avoidance
- 2 = Diversity
- 3 = Avoidance and Diversity
- 4 = Self Healing Interoffice Facilities
- 5 = Special Routing for Interoffice Facilities
- 6 = Route other than normal
- 7 = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

**12. SR - Special Routing Code (continued)**

**VALID ENTRIES Continued:**

3<sup>rd</sup> Character - Secondary Location

- A = Cable only
- B = Diversity
- C = Disaster Recovery
- D = Self-Healing Loop
- E = Route other than normal
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at POP/SECLOC
- L = Unprotected Transport
- M = Diversity and Alternate Wire Center
- N = N/A
- X = Provider-Engineered/Custom

**NOTE 1:** Valid entries are based on provider tariffs/practices.

**NOTE 2:** Use of Valid Entry "X" requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "M", otherwise optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |A|1|A|

**13. SSS - Secondary Service Support**

Identifies the features, functions or options associated with this DNAL.

**VALID ENTRIES:**

B = Calling Directory Number Delivery via BCLID  
M = Make Busy Arrangement - Lineside  
N = Make Busy Arrangement - Trunkside  
Q = Queuing  
S = SMDI  
T = SMDI Expanded  
U = SMDI and MWI Activation - Visual  
V = Message Waiting Indicator (MWI) Activation - Visual  
W = Message Waiting Indicator (MWI) Activation - Audible  
X = Message Waiting Indicator (MWI) Activation - Expanded  
Y = SMDI and MWI Activation - Audible  
Z = SMDI Expanded and MWI Activation Expanded

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C" and the BSA field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** W

#### 14. **TRF** - Transfer Feature

Identifies the transfer feature indicator for transfer relay.

##### **VALID ENTRIES:**

<u>ADD</u>	<u>DISC</u>	<u>ORIENTATION</u>
L	or 1	= Line Side of Port Circuit
R	or 2	= Regular Port of Circuit (Drop)
S	or 3	= Standby Port of Circuit (Drop)
C	or 4	= Control Path of Circuit (To Controller)

**NOTE 1:** Enter an alpha character for adding or a numeric character for disconnecting a feature.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C", "T" or "R", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:**

**15. HVP - High Voltage Protection**

Indicates the requirement for high voltage protection at a point of termination.

**VALID ENTRIES:**

R = Remove  
Y = Required

**NOTE 1:** When the valid entry is "Y", the provider will contact the customer for the necessary detail.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "D", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **16. MST - Master**

Indicator designating a circuit portion as the master leg/segment on a multipoint configuration.

**NOTE 1:** Designates the circuit portion between the Primary Location and the Bridge as the master leg/segment.

**NOTE 2:** Only one leg/segment on a multipoint circuit can be designated as the master; however, any number of other legs/segments can be designated as an alternate to the master.

**NOTE 3:** Leg/segments designated as an alternate master will be designed with the same functionality as the master leg/segment.

**NOTE 4:** All multipoint circuit configurations must contain a designated master leg/segment.

### **VALID ENTRIES:**

M = This is the master leg/segment

A = This is an alternate to the master leg

R = Remove this as the master or alternate master leg/segment

**NOTE 1:** Valid entry of "M" is prohibited if the MST field on any MSL Form is "M".

**USAGE:** This field is conditional.

**NOTE 1:** Required for a multipoint circuit configuration when the ACT field on the ASR Form is "N" and this leg/segment is the master/alternate master, otherwise optional.

**16. MST - Master (continued)**

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** M

## 17. **CKLT** - Bridging Location

Identifies the CLLI Code of the provider central office which provides bridging.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**17. CKLT - Bridging Location (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** If this field has an entry and the NSL field is populated, no entries are allowed for the secondary location (SECLOC) information.

**NOTE 4:** An MSL Form must be submitted to provide the required entries for all the secondary locations off the bridge for requests for a new multipoint configuration, changes to, additions to or deletions of legs.

**USAGE:** This field is conditional.

**NOTE 1:** Required for multipoint services when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |S|N|F|C|C|A|0|5|C|G|0|

**18. NSL - Number of Secondary Locations**

Identifies the number of end points with circuit activity as shown on the MSL Form(s).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the MSL Form(s) are associated with this request, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |4|3|

## 19. L2CPP – Layer Two Control Protocol Peering

Identifies a set of peering protocols that are used for various control purposes that allow the Ethernet network to effectively process information for subscribers who choose to deploy 802.1Q bridges.

**NOTE 1:** As an L2CP Frame is received on an external interface (UNI) there are three actions that can be specified.

- Peer
- Discard
- Pass

**NOTE 2:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 45.

### VALID ENTRIES:

- A = Link Aggregation Control/Marker Protocol (LACP)
- B = 802.3 Operations, Administration, and Maintenance (Link-OAM)
- C = Ethernet Synchronization Messaging Channel (ESMC)
- D = Precision Time Protocol Peer-Delay (PTP)
- E = Ethernet Local Management Interface (E-LMI)
- F = Link Layer Discovery Protocol (LLDP)
- G = Virtual Station Interface Discovery and Configuration Protocol (VDP)
- H = Port-Based Network Access Control
- J = 802.3 MAC Control: PAUSE
- K = 802.3 MAC Control: Priority Flow Control (PFC)
- L = 802.3 MAC Control: Multipoint MAC Control
- M = 802.3 MAC Control: Vendor Extensions
- N = Rapid/Multiple Spanning Tree Protocol (RSTP/MSTP)
- P = Shortest Path Bridging (SPB)
- Q = Multiple MAC Registration Protocol (MMRP)
- R = Multiple VLAN Registration Protocol (MVRP)
- S = Multiple Stream Registration Protocol (MSRP)
- T = Multiple ISID Registration Protocol (MIRP)

## 19. L2CPP – Layer Two Control Protocol Peering (continued)

**NOTE 1:** Multiple values are permitted.

**NOTE 2:** The customer should populate the appropriate character to indicate which protocols are applicable for peering.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha characters

**EXAMPLES:**

A	F	H	J	K																					
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

T																								
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

A	P																							
---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--

## 20. L2CP-ADDR – Layer Two Control Protocol Address Set

Identifies the discard/pass action for all non-peered layer two control protocols.

### **VALID ENTRIES:**

CTA = C-VLAN Tag Aware  
CTB = C-VLAN Tag Blind  
CTB-2 = C-VLAN Tag Blind Option 2

**NOTE 1:** Valid entry of “CTA” is associated with EVPL and EVP-LAN UNI members.

**NOTE 2:** Valid entry of “CTB” is associated with EPL and EP-LAN UNI members.

**NOTE 3:** Valid entry of “CTB-2” is associated with EPL UNI members.

**NOTE 4:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 45.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLES:** |C|T|A| | |

|C|T|B| - |2|

## **21. UNI-MSFS – UNI Maximum Service Frame Size**

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

**NOTE 2:** This attribute may be specified by the provider as part of their product offering.

### **VALID ENTRIES:**

UNI Maximum Frame Size Value (numeric value expressed in bytes)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:**   | 1 | 5 | 2 | 2

## 22. **MUXLOC** - Multiplexing Location

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the Connecting Facility Assignment (CFA).

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**22. MUXLOC - Multiplexing Location (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** MUXLOC is associated with the CFA (PRILOC), which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 4:** If more than one circuit is being ordered, the location defined within the first 8 characters of the MUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every CFA (PRILOC)/CFA on the request.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CFA (PRILOC) field is not populated or when the ACT field on the ASR Form is "D".

**NOTE 2:** Required when utilizing multiplexing services, the CFAU (PRILOC) is blank and the ACT field on the ASR Form is "N", "C" or "T".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [S|N|F|C|C|A|0|5|K|0|2]

[S|N|F|C|C|A|0|5| | | ]

## 23. **PRI ADM** - Primary Add Drop Multiplexer

Identifies a provider central office add drop multiplexer location used as a service access point when the primary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**20. PRI ADM - Primary Add Drop Multiplexer (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is "N", "C" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [B|R|H|M|A|L|M|T|W|0|1]

[B|R|H|M|A|L|M|T| | | ]

## 24. SEC ADM - Secondary Add Drop Multiplexer

Identifies a provider central office add drop multiplexer location used as a service access point when the secondary location is located off the ring network.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**21. SEC ADM - Secondary Add Drop Multiplexer (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the FNT field on the ASR Form is populated and the ACT field on the ASR Form is "N", "C" or "T", otherwise prohibited.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** [B|R|H|M|A|L|M|T|W|X|X|

[B|R|H|M|A|L|M|T| | | ]

**25. NVC - Number of Virtual Connections (VC)**

Identifies the number of VCs requested.

**NOTE 1:** An entry in this field requires that the VC Form be submitted.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "X" and VC Form(s) are associated with the request, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**  | 3 |

## **26. PSPEED - Port Speed**

Identifies the speed of the port.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "X", the ACT field on the ASR Form is "N", and utilizing fractional T1.

**NOTE 2:** Prohibited when the first position of the REQTYP field on the ASR Form is "E".

**NOTE 3:** Prohibited when the first position of the REQTYP field on the ASR Form is "X" and the ACT field on the ASR Form is "M" or "T".

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of the entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

5	6	K				
---	---	---	--	--	--	--

1	.	5	4	4	M	
---	---	---	---	---	---	--

4	4	.	7	3	6	M
---	---	---	---	---	---	---

**27. LMP - Link Management Protocol**

Identifies the VC status signaling protocol.

**VALID ENTRIES:**

- 1 = LMI
- 2 = Annex A
- 3 = Annex D
- 4 = Auto
- 5 = Other, e.g., RLMI version
- 6 = None

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “X”, the NC field does not specify an Ethernet-based port and the ACT field on the ASR Form is “N”.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is “X”, the NC field does not specify an Ethernet-based port and the ACT field on the ASR Form is “C”, “D”, “M”, “T” or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 3

**28. N/U - NNI or UNI**

Identifies if the service ordered is to be network to network or user to network.

**VALID ENTRIES:**

N = NNI  
U = UNI

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "X" and the ACT field on the ASR Form is "N".

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "X" and the ACT field on the ASR Form is "C", "D", "M", "T" or "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

**29. BSC - Broadband Service Category**

Identifies the category of virtual service requested.

**VALID ENTRIES:**

C = Cell Relay (ATM)  
F = Frame Relay

**NOTE 1:** When the valid entry is "C", the VST field on the VC Form must be blank or "B".

**NOTE 2:** When the valid entry is "F", the VST field on the VC Form must be blank, "A" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "X" and the NC field does not specify an Ethernet-based port, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**30. ETET - End to End Test**

Indicates the customer request for end-to-end (A to Z) standard acceptance testing at service delivery when a Smart Jack (SMJK) is requested.

**VALID ENTRIES:**

Y = End to end testing requested

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SMJK field on the SALI Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **31. CTX TEL - CENTREX Telephone Number**

Identifies the main (listed) telephone number of the CENTREX switch.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the access service requested terminates in a CENTREX, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 2|1|2| - |5|5|5| - |1|0|0|0|

**32. CTX LSTD NM - CENTREX Listed Name**

Identifies the listed name of the CENTREX customer whose listed number appears in the CTX TEL field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CTX TEL field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

S	I	M	C	O	E	P	A	P	E	R	M
I	L	L	I	N	C						

**33. LAG-ID - Link Aggregation Group ID**

Specifies an existing provider-assigned circuit ID which represents a Link Aggregation Group.

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

**VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format

**NOTE 1:** This format is defined in ANSI T1.266 (ATIS-0326600.2005), Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LAG field on the ASR Form is “E”, otherwise prohibited.

**DATA CHARACTERISTICS:** 24 alpha/numeric characters

**EXAMPLE:** |5|2| / |A|B|C|D| / |1|2|3|4|5|6| / | | / |X|X|



**34. LAG-P - Link Aggregation Group Protection**

Identifies the protection functionality requested for a Link Aggregation Group (LAG).

**NOTE 1:** More information relative to link aggregation can be found in IEEE 802.1AX. When link aggregation pertains to ENNI usage, more information can also be found in MEF 26.1.

**VALID ENTRIES:**

AA = All links are in active mode  
AS = A mixture of active and standby links

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LAG field on the ASR Form is “E” or “N” and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** A|A

### **35. WACD1 - Work Authorization Circuit Detail 1**

Identifies the first circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the service being ordered is cross-connected to an existing service of equal value, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 0 | 1 | / | T | 3 | / | B | S | T | N | M | A | G | T | O | G |

| / | B | S | T | N | M | A | M | T | C | G | O |   |   |   |   |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | x | x |

## **36. WACD2 - Work Authorization Circuit Detail 2**

Identifies the second circuit/facility cross-connected in the same wire center.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the service being ordered is cross-connected to an existing service of equal value, otherwise prohibited.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 0 | 1 | / | T | 3 | / | B | S | T | N | M | A | G | T | O | G |

|O| / |B| |S| |T| |N| |M| |A| |M| |T| |C| |G| |O| | | | | |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | x | x |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

### **37. DIVCKT – Diverse Circuit ID**

Identifies the existing circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the DIVCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the DIVCKT are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** The format and structure of the field is defined by ANSI standards.

**NOTE 6:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

#### **VALID ENTRIES:**

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.4.

**34. DIVCKT - Diverse Circuit ID (continued)**

**VALID ENTRIES** Continued:

**NOTE 1:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** A2/LBFS/032719/001/NY

2. COMMON LANGUAGE Facility Codes (CLFI Codes) as defined by ANSI ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.5.

**NOTE 1:** For identification of an unbundled multiplexer (including the collocation cross-connect), unbundled transport or a high capacity facility to a HUB location.

**NOTE 2:** Either Location A or Z must be 11 characters.

**NOTE 3:** Use of ranging within the appropriate component of the ID is prohibited.

**EXAMPLE:** 101/T1/NYCMNY50/NYCMNY54W01

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is "D".

**NOTE 2:** Prohibited when the DIVPON field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**38. DIVPON – Diverse Purchase Order Number**

Identifies the PON for a new circuit ID that the circuit being requested is to be diverse from.

**NOTE 1:** Population of the SR field in conjunction with this field is under the discretion of the provider when ordering diversity.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR form is “C”, “D”, “M”, “T”, or “R”.

**NOTE 2:** Prohibited when the DIVCKT field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

### 3.3 PRIMARY LOCATION SECTION

#### 39. PRILOC - Primary Location

Identifies the primary end of the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**36. PRILOC - Primary Location (continued)**

**VALID ENTRIES:**

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
E	Blanks	Used if PRILOC is an end user's premises indicated on the SALI Form.
C	CLLI Code	Used if PRILOC is a provider end office termination, to include CENTREX or secondary ACTL.

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C", "M" or "T", otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|6|8|6|

|E| | | | | | | | | | | |

**40. CFAU - CFA Use (PRILOC)**

Identifies the CFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA (PRILOC) is a provider carrier system and the NC code does not specify a virtual concatenation service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### 41. **CFA** - Connecting Facility Assignment (PRILOC)

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**38. CFA - Connecting Facility Assignment (PRILOC) (continued)**

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

| 1 | 0 | 1 | / | T | 1 | / | 1 | - | 2 | 4 | / | B | S | T | N | M | A | G | T |  
| C | G | 0 | / | B | S | T | N | M | A | M | T | C | G | 0 | | | | | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **42. DIR - Directionality**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring, identified in the PRI ADM field, and the customer has assignment control.

### **VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 - High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PRI ADM field is populated.

**NOTE 2:** Optional when the CFA (PRILOC) field is populated.

**NOTE 3:** Optional when the PRI ADM and CFA (PRILOC) fields are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**43. CPT - Channel Pair/Timeslot**

Identifies the Synchronous Transport Signal (STS), Virtual Tributary (VT) Group and VT Timeslot of the ring.

**NOTE 1:** Positions 7 through 11 required when utilizing two dedicated rings.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", "C" or "T", and the FNT field on the ASR Form is "A" otherwise prohibited.

**DATA CHARACTERISTICS:** 11 numeric characters (including 1 preprinted hyphen)

**EXAMPLES:**

1	1	1	2	1
---	---	---	---	---

 - 

--	--	--	--	--

1	1	1	2	1
---	---	---	---	---

 - 

1	1	1	2	2
---	---	---	---	---

**44. S25 - Surcharge Status (PRILOC)**

Identifies whether a surcharge is applicable (non-exempt) or non-applicable (exempt) for the number of circuits ordered between two customer locations.

**NOTE 1:** The S25C field appears on the Multipoint Service Leg (MSL) Form for certifying on a per leg basis for a multipoint circuit. Providers may require an accompanying certificate with the ASR.

**NOTE 2:** When a mix (exempt and non-exempt) is ordered the specific exemptions are stated using the ACI or MSL order request forms.

**VALID ENTRIES:**

A = The customer certifies that the access service is terminated in a device not capable of interconnecting the service with local exchange service or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

**NOTE 1:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option by the provider. (Whether or not a blanket exception is to be used will determine applicability of surcharge).

**41. S25 - Surcharge Status (PRILOC) (continued)**

**NOTE 2:** A numeric quantity used in conjunction with the A or B entry indicates that the customer certifies that this number of channels is exempt from the surcharge. (Only applicable to analog or digital high capacity facilities provided between two customer locations).

**NOTE 3:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

C = Surcharge is applicable to all circuits.

**NOTE 1:** If the surcharge does not apply to all the circuits ordered, the quantity exempt must be shown preceded by the "A" or "B" entry.

NA = Not Applicable

**NOTE 1:** "NA" is valid only when the PRILOC field is a CLLI code, for DNALs, or where intrastate tariffs do not have surcharges.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**41. S25 - Surcharge Status (PRILOC) (continued)**

**EXAMPLES:** [A|3|0| | | | ]

**NOTE 1:** This example illustrates the valid entry of “A” followed by the quantity of circuits that are exempt.

[B|1|2|0| | | | ]

**NOTE 1:** This example illustrates the valid entry of “B” followed by the quantity of circuits that are exempt.

[C| | | | | | | ]

#### **45. ER - S25 Exemption Reason (PRILOC)**

Tells the provider why a circuit is exempt from the special access surcharge.

**NOTE 1:** For Hi-Cap services if multiple reasons are required, then quantity and reason will be placed in the REMARKS field.

#### **VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a telephone company switch of an FX line, including CCSA and CCSA equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of telephone company common lines, such as, terminations which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA type equipment (inter-machine trunks).

**42. ER - S25 Exempt Reason (PRILOC) (Continued)**

- 6 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is not connected to a PBX or other device capable of interconnecting to special access service to a local exchange subscriber line.
- 7 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of interconnecting the special access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25 (PRILOC) field is “A” or “B”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**46. OTC - Other Exchange Company (Terminating) (PRILOC)**

Identifies the provider responsible for delivery of the PRILOC termination in a multi provider service arrangement.

**VALID ENTRIES:**

**COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.

**COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ASC-EC field on the ASR Form is not populated.

**NOTE 2:** Required when the ASC-EC field on the ASR Form is populated, the CKLT field is not populated and the OTC (SECLOC) field is not populated.

**NOTE 3:** Otherwise optional.

- 43.**      **OTC** - Other Exchange Company (Terminating) (PRILOC)  
(continued)

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	P	T	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

## **47. CCEA – Cross Connect Equipment Assignment**

Identifies the physical point of termination at a collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the CCEA field is populated, the information will identify the tie-down assignment at the PRILOC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

**48. GETO - General Exchange Tariff Options Code (PRILOC)**

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) in conjunction with the access service.

**VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent.
- E = Provide inside wiring and bill the end user agent.
- M = Control facility required in conjunction with transfer arrangement or similar such configurations in conjunction with a multi-line hunt group.
- N = Terminate in a location other than normal (extend the point of termination using house cable, etc.) at the end user premises.
- O = Other
- P = Wire only with existing access service and bill end user directly.
- R = Referral for inside wiring (provider to negotiate with the end user).
- S = Provide inside wire repair plan and bill the customer.
- T = Provide inside wire repair plan and bill the end user.
- U = Provide inside wiring and repair plan and bill the customer.
- V = Provide inside wiring and repair plan and bill the end user.
- W = Provide inside wiring and bill the customer.
- Y = Provide inside wiring and bill end user directly.
- Z = Provide inside wiring and repair plan and bill the end user agent.

**NOTE 1:** Inside wiring may be provided in provider Intrastate tariffs or in an unregulated environment.

**45. GETO - General Exchange Tariff Options Code (PRILOC)**  
(continued)

**NOTE 2:** When the GETO field is "N", the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is "O", specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than "N", "S", "U" or "W", the GCON (PRILOC) field must be populated.

**NOTE 5:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** R

**49. GBTN - General Exchange Tariff Options Billing Telephone Number (PRILOC)**

Identifies the billing telephone number for charges associated with options listed in the GETO (PRILOC) (e.g., inside wire time and material charges).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO (PRILOC) field is "A", "E", "S", "T", "U", "V", "W", "Y", "Z" or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|3|0|0|

**50. GCON - GETO Contact Name (PRILOC)**

Identifies the name of the person to be contacted for additional information regarding GETO (PRILOC) options.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO (PRILOC) field is "A", "E", "M", "O", "P", "R", "T", "V", "Y", or "Z" and the entry in this field is different than the BILLCON field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** T|O|M| J|O|N|E|S| | | |

| | | | | | | | | | |

**51. GTEL** – General Exchange Tariff Options Contact Telephone Number (PRILOC)

Identifies the telephone number of the person named in the GCON (PRILOC) field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON (PRILOC) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|

### **3.4 SECONDARY LOCATION SECTION**

#### **52. SECLOC - Secondary Location**

Identifies the terminating end of a circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**49. SECLOC - Secondary Location (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** When the SECLOC is a CENTREX termination, the CLLI Code provided must be preceded with a “C”.

**NOTE 3:** SECLOC is not populated when requesting a multipoint configuration. CKLT is used to specify the first bridging location and an MSL Form is used for specifying end user and/or additional bridge locations. The MSL Form must accompany the EUSA Form when ordering multipoint configurations.

**NOTE 4:** SECLOC is a CLLI Code when ordering facilities to a provider end office. This code must be preceded with a “C”.

**NOTE 5:** SECLOC may be populated with a CLLI Code or left blank when ordering facilities to a provider broadband switch. When this field is left blank, the provider will determine the switch location and provide the switch CLLI Code on the Confirmation Notice Form (CN).

**49. SECLOC - Secondary Location (continued)**

**VALID ENTRIES:**

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
E	Blanks	Used if SECLOC is an end user's premises indicated on the SALI Form.
C	CLLI Code	Used if SECLOC is a provider end office termination, to include CENTREX or secondary ACTL.

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "E", the ACT field on the ASR Form is "N", "C", "T" or "M" and the NSL field is not populated.

**NOTE 2:** Prohibited when the NSL field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|6|8|6|

|E| | | | | | | | | | | |

**53. CFAU - CFA Use (SECLOC)**

Identifies the CFA as a provider carrier system.

**VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Required when the CFA (SECLOC) is a provider carrier system and the NC code does not specify a virtual concatenation service, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### 54. **CFA** - Connecting Facility Assignment (SECLOC)

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**51. CFA - Connecting Facility Assignment (SECLOC) (continued)**

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**USAGE:** This field is conditional.

**NOTE 1:** Required when utilizing Wideband, High Capacity or Optical Network facilities when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** |1|0|1| / |T|1| / |3| / |B|S|T|N|M|A|G|T|C|G|0|  
| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | |  
| | | |

|1|0|1| / |T|1| / |1| - |2|4| / |B|S|T|N|M|A|G|T|  
C|G|0| / |B|S|T|N|M|A|M|T|C|G|0| | | | |  
| | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

**55. SDIR - Secondary Directionality (SECLOC)**

Identifies the direction of the circuit's path when it egresses (exits) on a bi-directional dedicated DWDM/SONET/OTN Ring, identified in the SEC ADM field, and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SEC ADM field is populated.

**NOTE 2:** Optional when the CFA (SECLOC) field is populated.

**NOTE 3:** Optional when the SEC ADM and CFA (SECLOC) fields are populated.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 1

**56. SFNI – Secondary Fiber Network Identification**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring within a fiber network when the CFA (SECLOC) field is populated and the UNE field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:** |N|1|2|3|4|5| | | | | | | |

|W|1|2|3|4|5| | | | | | |

## 57. **SMUXLOC** – Secondary Multiplexing Location

Identifies the CLLI Code of the provider location where the service being requested connects with the multiplexer associated with the secondary connecting facility assignment.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**57. SMUXLOC – Secondary Multiplexing Location (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** SMUXLOC is associated with the CFA (SECLOC), which is one level above the service being ordered. Please refer to ASOG Practice 000, Thru-Connect and Cascading Multiplexing Section for additional details.

**NOTE 4:** If more than one circuit is being ordered, the location defined within the first 8 characters of the SMUXLOC CLLI populated in this field must apply to all circuits being ordered and it must be associated to every CFA (SECLOC)/SCFA on the request.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the CFA (SECLOC) field is not populated or when the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when utilizing multiplexing services, the CFAU (SECLOC) is blank and the ACT field on the ASR Form is “N”, “C” or “T”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** |S|N|F|C|C|A|0|5|K|0|2|

|S|N|F|C|C|A|0|5| | | |

**58. SCCEA – Secondary Cross Connect Equipment Assignment**

Identifies the physical point of termination at the secondary collocation arrangement.

**NOTE 1:** This information is provided by the customer when they have assignment control.

**NOTE 2:** When the SCCEA field is populated, the information will identify the tie-down assignment at the SECLOC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |A|B|C| / |0|1| / |2|4| - |N|L| / |1|2|0|8| - |1|2|

**59. S25 - Surcharge Status (SECLOC)**

Identifies whether a surcharge is applicable (non-exempt) or non-applicable (exempt) for the number of circuits ordered between two customer locations.

**NOTE 1:** The S25C field appears on the Multipoint Service Leg (MSL) Form for certifying on a per leg basis for a multipoint circuit.

**NOTE 2:** When a mix (exempt and non-exempt) is ordered the specific exemptions are stated using the ACI or MSL order request forms.

**VALID ENTRIES:**

A = The customer certifies that the access service is terminated in a device not capable of interconnecting the service with local exchange service. Or indicates that the customer certifies that the access service is associated with a switched access service that is subject to Carrier Common Line Charges and therefore exempt from the surcharge.

**NOTE 1:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

B = The customer has a blanket exemption certification on file with the provider.

**NOTE 1:** The provider will provide information concerning the availability of this option by the provider. (Whether or not a blanket exception is to be used will determine applicability of surcharge).

**56. S25 - Surcharge Status (SECLOC) (continued)**

**NOTE 2:** A numeric quantity used in conjunction with the "A" or "B" entry indicates that the customer certifies that, this number of channels is exempt from the surcharge. (Only applicable to analog or digital high capacity facilities provided between two customer locations).

**NOTE 3:** When the numeric entry in positions 2-8 is populated, leading or embedded spaces and leading zeros are not permitted.

C = Surcharge is applicable to all circuits

**NOTE 1:** If the surcharge does not apply to all the circuits ordered, the quantity exempt must be shown preceded by the "A" or "B" entry.

NA = Not Applicable.

**NOTE 1:** "NA" is valid when the SECLOC field is a CLLI code, for DNALs, or where intrastate tariffs do not have surcharges.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" and the NSL field is "0" or not populated.

**NOTE 2:** Prohibited for multipoint service.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**56. S25 - Surcharge Status (SECLOC) (continued)**

**EXAMPLES:** [A|3|0| | | | |]

**NOTE 1:** This example illustrates the valid entry of “A” followed by the quantity of circuits that are exempt.

[B|1|2|9|0|0|0|0|]

**NOTE 1:** This example illustrates the valid entry of “B” followed by the quantity of circuits that are exempt.

[C| | | | | | | |]

## **60. ER - S25 Exemption Reason (SECLOC)**

Tells the provider why a circuit is exempt from the special access surcharge.

**NOTE 1:** For Hi-Cap services if multiple reasons are required, then quantity and reason will be placed in the REMARKS field.

### **VALID ENTRIES:**

- 1 = The customer certifies that the special access service is an open-end termination in a telephone company switch of an FX line, including CCSA and CCSA equivalent ONALS.
- 2 = The customer certifies that the special access is an analog channel termination that is used for radio or television program transmission.
- 3 = The customer certifies that the special access service is a termination used for TELEX service.
- 4 = The customer certifies that the special access service is a termination that by the nature of its operating characteristics could not make use of telephone company common lines, such as, terminations which are restricted through hardware or software.
- 5 = The customer certifies that the special access service is a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as, where the special access service accesses only FGA and no local exchange lines, or special access service between customer points of termination or special access service connecting CCSA or CCSA type equipment (inter-machine trunks).

**57. ER - S25 Exempt Reason (SECLOC) (continued)**

- 6 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is not connected to a PBX or other device capable of interconnecting to special access service to a local exchange subscriber line.
- 7 = The customer certifies that the special access service is a termination that the customer certifies to the telephone company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of interconnecting the special access to a local exchange subscriber line.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the S25 (SECLOC) field is "A" or "B", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 4

**61. OTC - Other Exchange Company (Terminating) (SECLOC)**

Identifies the provider responsible for delivery of the SECLOC termination in a multi provider service arrangement.

**VALID ENTRIES:**

**COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.

**COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ASC-EC field on the ASR Form is not populated.

**NOTE 2:** Required when the ASC-EC field on the ASR Form is populated, the CKLT field is not populated and the OTC (PRILOC) field is not populated.

**NOTE 3:** Otherwise optional.

- 58.**      **OTC** - Other Exchange Company (Terminating) (SECLOC)  
(continued)

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	P	T	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

## 62. **GETO - General Exchange Tariff Options Code (SECLOC)**

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) in conjunction with the access service.

### **VALID ENTRIES:**

- A = Provide inside wiring plan and bill the end user agent.
- E = Provide inside wiring and bill the end user agent.
- M = Control facility required in conjunction with transfer arrangement or similar such configurations in conjunction with a multi-line hunt group.
- N = Terminate in a location other than normal (extend the point of termination using house cable, etc.) at the end user premises.
- O = Other
- P = Wire only with existing access service and bill end user directly.
- R = Referral for inside wiring (provider to negotiate with the end user).
- S = Provide inside wire repair plan and bill the customer.
- T = Provide inside wire repair plan and bill the end user.
- U = Provide inside wiring and repair plan and bill the customer.
- V = Provide inside wiring and repair plan and bill the end user.
- W = Provide inside wiring and bill the customer.
- Y = Provide inside wiring and bill end user directly.
- Z = Provide inside wiring and repair plan and bill the end user agent.

**NOTE 1:** Inside wiring may be provided in provider Intrastate tariffs or in an unregulated environment.

**59. GETO - General Exchange Tariff Options Code (SECLOC)**  
(continued)

**NOTE 2:** When the GETO field is "N", the AAI field on the SALI Form may be used to specify details.

**NOTE 3:** When the GETO field is "O", specify requirements in the REMARKS field.

**NOTE 4:** When the valid entry is other than "N", "S", "U" or "W", the GCON (SECLOC) field must be populated.

**NOTE 5:** Use of valid entries is based on provider tariffs/practices.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**63. GBTN - General Exchange Tariff Options Billing Telephone Number (SECLOC)**

Identifies the billing telephone number for charges associated with options listed in the GETO (SECLOC) (e.g., inside wire time and material charges).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the GETO (SECLOC) field is "A", "E", "S", "T", "U", "V", "W", "Y", "Z" or not populated, otherwise optional.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters  
(excluding 2 preprinted hyphens)

**EXAMPLE:** 2|0|1 - 9|8|8 - 7|3|0|0

**64. GCON - GETO Contact Name (SECLOC)**

Identifies the name of the person to be contacted for additional information regarding GETO (SECLOC) options.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GETO (SECLOC) field is "A", "E", "M", "O", "P", "R", "T", "V", "Y", or "Z" and the entry in this field is different than the BILLCON field on the ASR Form, otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

T	O	M	J	O	N	E	S																
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**65. GTEL – General Exchange Tariff Options Contact Telephone Number (SECLOC)**

Identifies the telephone number of the person named in the GCON (SECLOC) field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the GCON (SECLOC) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|8| - |7|6|2|3| - |1|0|1|2|

**66. REMARKS -Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### 3.5 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the End User Special Access Form fields.

EUSA FORM		
<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
BSC	29	Broadband Service Category
CCEA	47	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
CFA	41	Connecting Facility Assignment (PRILOC)
CFA	54	Connecting Facility Assignment (SECLOC)
CFAU	40	CFA Use (PRILOC)
CFAU	53	CFA Use (SECLOC)
CKLT	17	Bridging Location
CPT	43	Channel Pair/Timeslot
CTX LSTD NM	32	CENTREX Listed Name
CTX TEL	31	CENTREX Telephone Number
DIR	42	Directionality
DIVCKT	37	Diverse Circuit ID
DIVPON	38	Diverse Purchase Order Number
ER	45	S25 Exemption Reason (PRILOC)
ER	60	S25 Exemption Reason (SECLOC)
ETET	30	End to End Test
GBTN	49	General Exchange Tariff Options Billing Telephone Number (PRILOC)
GBTN	63	General Exchange Tariff Options Billing Telephone Number (SECLOC)
GCON	50	GETO Contact Name (PRILOC)
GCON	64	GETO Contact Name (SECLOC)
GETO	48	General Exchange Tariff Options Code (PRILOC)
GETO	62	General Exchange Tariff Options Code (SECLOC)
GTEL	51	General Exchange Tariff Options Contact Telephone Number (PRILOC)
GTEL	65	General Exchange Tariff Options Contact Telephone Number (SECLOC)
HVP	15	High Voltage Protection

## EUSA FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
L2CPP	19	Layer Two Control Protocol Peering
L2CP-ADDR	20	Layer Two Control Protocol Address Set
LAG-ID	33	Link Aggregation Group ID
LAG-P	34	Link Aggregation Group Protection
LMP	27	Link Management Protocol
MST	16	Master
MUXLOC	22	Multiplexing Location
N/U	28	NNI or UNI
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
NSL	18	Number of Secondary Locations
NVC	25	Number of Virtual Connections (VC)
OTC	46	Other Exchange Company (Terminating) (PRILOC)
OTC	61	Other Exchange Company (Terminating) (SECLOC)
PON	2	Purchase Order Number
PQPR	10	Quantity of Port References (PRILOC)
PRI ADM	23	Primary Add Drop Multiplexer
PRILOC	39	Primary Location
PSPEED	26	Port Speed
QPR	11	Quantity of Port References (SECLOC)
REMARKS	66	Remarks
S25	44	Surcharge Status (PRILOC)
S25	59	Surcharge Status (SECLOC)
SCCEA	58	Secondary Cross Connect Equipment Assignment
SDIR	55	Secondary Directionality (SECLOC)
SEC ADM	24	Secondary Add Drop Multiplexer
SECLOC	52	Secondary Location
SECNCI	9	Secondary Network Channel Interface Code
SECTLV	8	Secondary Transmission Level
SFNI	56	Secondary Fiber Network Identification
SMUXLOC	57	Secondary Multiplexing Location
SR	12	Special Routing Code
SSS	13	Secondary Service Support
TLV	7	Transmission Level
TRF	14	Transfer Feature
UNI-MSFS	21	UNI Maximum Service Frame Size
VER	3	Version Identification

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
WACD1	35	Work Authorization Circuit Detail 1
WACD2	36	Work Authorization Circuit Detail 2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. END USER SPECIAL ACCESS REQUEST (EUSA) FORM NUMBERED

(Insert Your Company Logo Here)

### End User Special Access Request

V50  
03/15

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO																	
[1]	[2]	[3]	[4]																			
<b>Circuit Detail Section</b>																						
NC	NCI	TLV			SECTLV	SECNCI	PQPR	QPR														
[5]	[6]	[7]	[.]	[T]	[.]	[R]	[8]	[.]	[T]	[.]	[R]	[9]	[10]	[11]								
SR	SSS	TRF	H/P	MST	CKLT	NSL	L2CPP							L2CP-ADDR	UNI-MSFS							
[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]							[20]	[21]							
MUXLOC	PRI ADM			SEC ADM			NVC	PSPEED	LMP	N/U	BSC	ETET										
[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]														
CTX TEL	CTX LSTD NM			LAG-ID									LAG-P									
[31]	-	[32]	[33]	[34]																		
WACD1	WACD2																					
[35]	[36]																					
DIVCKT	DIVPON																					
[37]	[38]																					
<b>Primary Location Section</b>																						
PRILOC	CFAU			CFA							DIR	CPT										
[39]	[40]	[41]	[42]	[43]																		
S25	ER	OTC	CCEA																			
[44]	[45]	[46]	[47]																			
GETO	GBTN	GCN			GTEL																	
[48]	[49]	-	[50]	[51]	[52]	[53]	[54]	[55]	[56]													
<b>Secondary Location Section</b>																						
SECLOC	CFAU CFA									SDIR	SFNI											
[52]	[53]	[54]	[55]	[56]																		
SMUXLOC	SCCEA																					
[57]	[58]																					
S25	ER	OTC	GETO	GBTN	GCN	GTEL																
[59]	[60]	[61]	[62]	[63]	[64]	[65]																
<b>REMARKS</b>																						
[66]																						

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. END USER SPECIAL ACCESS REQUEST (EUSA) FORM CAMERA READY

(Insert Your Company Logo Here)

### End User Special Access Request

V50  
03/15

<b>Administrative Section</b>										CCNA	PON	VER	ASR NO		
<b>Circuit Detail Section</b>															
NC	NCI	TLV			SECTLV	SECNCI			PQPR	QPR					
SR	SSS	TRF	HVP	MST	CKLT	NSL	L2CPP		L2CP-ADDR	UNI-MSFS					
MUXLOC	PRI ADM			SEC ADM			NVC	PSPEED	LMP	N/U	BSC	ETET			
CTX TEL	CTX LSTD NM			LAG-ID							LAG-P				
WACD1				WACD2											
DIV/CKT				DIV/PON											
<b>Primary Location Section</b>										DIR	CPT				
PRILOC	CFAU			CFA											
S25	ER	OTC	CCEA												
GETO	GBTN	GCN			GTEL										
<b>Secondary Location Section</b>										SDIR	SFNI				
SECLOC	CFAU			CFA											
SMUXLOC	SCCEA														
S25	ER	OTC	GETO	GBTN	GCN			GTEL							
<b>REMARKS</b>															
<p>This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.      Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.      Telephone number: 202-628-6380; e-mail:copyright@atis.org</p>															

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404014-0050**

**End Office Detail (EOD) Form  
Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404014-0050  
End Office Detail (EOD) Form Preparation Guide - Access Service Ordering Guidelines  
(ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

END OFFICE DETAIL (EOD)  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL _____	1-1
2. EOD FORM DESCRIPTION _____	2-1
3. END OFFICE DETAIL (EOD) FORM ENTRIES _____	3-1
3.1 ADMINISTRATIVE SECTION _____	3-2
3.2 ALPHA/NUMERIC GLOSSARY _____	3-27
4. END OFFICE DETAIL (EOD) FORM NUMBERED _____	4-1
5. END OFFICE DETAIL (EOD) FORM CAMERA READY _____	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the End Office Detail (EOD) Form entries. The EOD Form has multiple uses which are as follows:

- A - For forecasting traffic being routed from end offices subtending a tandem.
- B - Identification of end offices for initial SAC Code activities.
- C - Identification of subtending end offices for originating traffic requests.
- D - Estimate of traffic distribution requirements when traffic is switched through an access tandem.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 This practice covers the use and purpose of the EOD Form for each of its multiple uses. The EOD USE field determines the intended use of the individual form.

1.5 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.6 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. EOD FORM DESCRIPTION**

**2.1 ASR FORM REQUIREMENTS:** The basic ASR Form requirements for accommodating an EOD are:

- AFO field of the ASR Form must contain the appropriate entry for designating the inclusion or submission of an EOD.
- REQTYP field of the ASR Form must contain “M” in the first position even if a Trunking Form is not accompanying the request.

**2.2 TRAFFIC DISTRIBUTION FORECASTING:** The EOD Form with an EOD USE entry of “A” provides an estimate of the customer's traffic requirements for the provider's network that subtends the Access Tandem (AT) switch. The traffic estimates are used by the provider Circuit Administration Centers (CAC) or other such organizations to determine provisioning requirements for the subtending network that is utilized by all such customers.

**2.3** The EOD may, with the agreement of the provider, be submitted at any time and indicate no trunk activity to be performed.

**2.4** Supplements will not be accepted when the EOD is used for traffic distribution forecasting.

**2.5** When the ASR ACT field entry is “R”, only traffic distribution forecasting is allowed.

**2.6 INITIAL SAC CODE ACTIVITIES:** The EOD form with an EOD USE entry of “B” identifies the end offices (tandem or direct routed) where the initial SAC Code(s) is to be established.

The EOD Form must be accompanied by ASR and TQ Forms.

**2.7 ORIGINATING TRAFFIC:** The EOD form with an EOD USE entry of “C” identifies the access tandem subtending end offices from which the customer wishes to receive originating FGD traffic.

**2.7.1** The EOD may be submitted to the provider concurrent with the access tandem request.

2.8 ESTIMATE OF TRAFFIC DISTRIBUTION REQUIREMENTS: The EOD form with an EOD USE entry of "D" provides an estimate of the customer's traffic distribution requirements for the exchange company network which subtends the access tandem switch.

2.8.1 The EOD should be submitted to the provider concurrent with the access tandem request indicating trunk activity.

### **3. END OFFICE DETAIL (EOD) FORM ENTRIES**

The EOD Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Section 3.1. Section 3.2 contains an alphabetic listing of the EOD Form fields cross-referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. EOD USE - End Office Detail Form Use**

Describes the intended use of the particular occurrence of the EOD Form.

##### **VALID ENTRIES:**

- A = Traffic Distribution Forecasting
- B = SAC Code Activities
- C = Originating Traffic
- D = Estimate of Traffic Distribution Requirements

**NOTE 1:** EOD USE entry of "A" is valid only when the ACT field on the ASR Form is "R".

**NOTE 2:** EOD USE entry of "B" is valid only when the SAC ACT field on the TQ Form is "N" or "A".

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** [B]

**2. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

**VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** M|C|I

**3. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**4. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**5. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when the PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** 3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

**6. PG\_of - Page\_of**

Identifies the page number and total number of pages contained in this transaction.

**NOTE 1:** The EOD page 1 provides up to 13 end offices. Each additional page can also accommodate up to 13 additional end offices.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |  1|of|1|3|

## 7. **TK QTY** - Trunk Quantity

Identifies the total number of access tandem circuits currently being provided to the customer to accommodate switched access service. The trunk quantity may also be an estimate of the number of trunks the customer will request on a forthcoming access request.

**NOTE 1:** The TK QTY is defined as actual circuits being provided.

**NOTE 2:** TSC is provided on the confirmation notice and identifies the trunk group.

**NOTE 3:** The absence of a TSC indicates that TK QTY is an estimate.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when EOD USE is "A", "C" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**  |  |  | 7

## 8. ACCESS TANDEM - Access Tandem

Identifies the CLLI Code of the provider access tandem switching office providing the switched access service.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**8. ACCESS TANDEM - Access Tandem (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering at a tandem level, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |S|N|T|C|C|A|0|1|4|8|T|

## 9. **ORIG TRF** - Originating Traffic

Identifies the customer's estimate of the total amount of originating traffic to be generated in this tandem serving area destined for this customer through the Access Tandem.

**NOTE 1:** The numeric quantity entered should reflect the anticipated load.

**NOTE 2:** It may be indicated in trunks, BHMC, hundred call seconds (CCS), Erlangs or any other unit acceptable to both the customer and the provider at the customer's convenience but should be noted to indicate the unit of measure in the UNIT field provided.

**USAGE:** This field is conditional.

**NOTE 1:** Required when EOD USE is "A" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:**

			4	5	0	0	0
--	--	--	---	---	---	---	---

## **10. TERM TRF - Terminating Traffic**

Identifies the customer's estimate of the total amount of terminating traffic from this customer destined to this access tandem.

**NOTE 1:** The numeric quantity entered should reflect the anticipated load.

**NOTE 2:** It may be indicated in trunks, BHMC, hundred call seconds (CCS), Erlangs or any other unit acceptable to both the customer and the provider at the customer's convenience but should be noted to indicate the unit of measure in the UNIT field provided.

**USAGE:** This field is conditional.

**NOTE 1:** Required when EOD USE is "A" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:**

			4	5	0	0	0
--	--	--	---	---	---	---	---

## 11. **UNITS** - Units

Identifies the type of data contained in the ORIG TRF, TERM TRF, ORIG and TERM fields.

**USAGE:** This field is conditional.

**NOTE 1:** Required when EOD USE is "A", "C" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters

**EXAMPLES:** |E|R|L|A|N|G|S| | | |

|C|C|S| | | | | | |

## 12. **TRFTYP** - Traffic Type

Identifies the type of capacity.

### **VALID ENTRIES:**

AL = Transiting and Local/IntraLATA Toll (LT and TS)  
AM = Transiting and Local/IntraLATA Toll/Inter-tandem  
AT = IntraLATA Toll  
AX = Audio Text (976) Information  
CH = Choke  
C0 = Coin Zero Plus  
C1 = Coin One Plus  
DA = Directory Assistance  
DC = Directory Assistance Call Completion Service  
DD = Domestic Dialing Traffic  
E9 = E911/911  
ID = International Traffic  
IO = ISDN Originating  
IR = Intercept Service  
IT = ISDN Terminating  
LA = Local Transiting and Local IntraLATA Toll  
LI = Local/IntraLATA Toll/InterLATA Toll  
LL = Local  
LS = Local Transiting  
LT = Local/IntraLATA Toll  
NA = National Operator Assistance  
ND = National Directory Assistance  
OP = Operator Assistance  
OT = Originating Traffic  
PN = Portable Numbering (DID-TYPE INP)  
PO = PSDS Originating  
PT = PSDS Terminating  
TM = Transiting/Inter-tandem  
TR = Telecomm Relay  
TS = Transiting  
TT = Terminating Traffic  
VR = Busy Line Verify/Interrupt

**12. TRFTYP - Traffic Type (continued)**

**VALID ENTRIES CONTINUED:**

- 50 = 5YY Traffic - Personal Communications Services (PCS) Service Access Code (SAC)
- 80 = 8YY Traffic - Toll Free Service Access Code (SAC)
- 90 = 9YY Traffic - Calling Party Pays Service Access Code (SAC)

**NOTE 1:** “OP”, “ID”, “DA”, “DD”, “50”, “80”, “90”, “PO”, “CO”, “C1”, and “IO” are all forms of originating traffic. If the quantity ordered is unique for only one type of originating traffic, the customer will utilize one of these codes. However, if the quantity ordered is a mixture of different originating traffic types the customer will use “OT”.

**NOTE 2:** This TRFTYP field entry must be identical to the TRFTYP field on the Trunking Form when the Trunking Form TRFTYP is populated.

**NOTE 3:** Traffic types “IO” and “IT” provide service in conjunction with CCS service.

**NOTE 4:** “LT”, “E9”, “VR”, “IR”, “DC”, “PN”, “AX”, “TR”, “LL”, “AT”, “TS”, “CH”, “LI”, “AL”, “AM”, “LA”, “LS”, “NA”, “ND” and “TM” can be originating, terminating or two way based on local practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when EOD USE is “A”, “C” or “D” and the TSC (Tandem) field is blank, otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters (excluding 1 preprinted hyphen)

**12. TRFTYP - Traffic Type (continued)**

**EXAMPLES:** Two-way O T - T T

Two-way | P | O | - | P | T |

One-way | O | T | - | | |

Two-way | L | T | - | | |

**13. TSC - Two Six Code (Tandem Level)**

Identifies a code assigned to a switched access trunk group.

**NOTE 1:** The code is unique to each established trunk group.

**VALID ENTRIES:**

A valid TSC  
NEW

**NOTE 1:** The entry of NEW is used when a TSC has not been assigned.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EOD USE field is “B” and the ACCESS TANDEM field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|Q|2|3|4|5|6|7|

#### **14. EO ACT - End Office Activity**

Indicates that a change associated with a specific end office is taking place.

**NOTE 1:** Recapping of all end offices subtending a tandem is subject to customer/provider negotiations.

##### **VALID ENTRIES:**

A = Add  
C = Change  
D = Delete  
K = Cancel Pending Activity

**NOTE 1:** Valid entry of "K" is prohibited on the initial submission of the EOD.

**NOTE 2:** Valid entry of "K" in all occurrences of the EO ACT field is prohibited.

**NOTE 3:** Valid entry of "C" is prohibited when the EOD USE field is "A", "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SUP field on the ASR Form is "3" or "4" and any field within the EOD data line has changed from the previous version.

**NOTE 2:** Prohibited when the EOD USE field is "A".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 15. **END OFFICE** - End Office

Identifies the end office providing access to the switched access service.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**15. END OFFICE** - End Office (continued)

**VALID ENTRIES:**

CLLI Code of end offices

ALL = All end offices subtending the tandem

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** "ALL" type entry is only applicable when ordering translation at a Tandem level.

**NOTE 3:** Use of "ALL" entry is based on local provider tariffs/practices.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |M|I|L|N|T|N|M|A|2|M|D|

|A|L|L| | | | | | | | |

## **16. ORIG - Traffic Estimate Originating**

Identifies an estimate of the originating traffic to be generated from this end office destined for this customer through the Access Tandem.

**NOTE 1:** The numeric quantity entered should reflect the anticipated tandem load.

**NOTE 2:** It may be indicated in BHMC, hundred call seconds (CCS), percent of total, Erlangs or any other unit acceptable to both the provider and the customer at the customer's convenience but should be noted to indicate the unit of measure using the UNIT field entry.

### **VALID ENTRIES:**

A number of traffic units

**NOTE 1:** An entry of 0 traffic units indicates that the switch should be configured for access, but the current estimate is zero.

A percentage of the number specified in the ORIG TRF field

NO - Indicating that no traffic is to be delivered from this end office to the tandem switch.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EOD USE field is "A", "C" or "D" and the TRFTYP field indicates originating traffic, otherwise prohibited.

**16. ORIG** – Traffic Estimate Originating (continued)

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**NOTE 1:** When percentage is used, entry should be right justified.

**EXAMPLES:**

			3	0	0
--	--	--	---	---	---

				5	%
--	--	--	--	---	---

## 17. **TERM** - Traffic Estimate Terminating

Identifies an estimate of terminating traffic incoming from this customer destined for this end office through the Access Tandem.

**NOTE 1:** The numeric quantity entered should reflect the anticipated tandem load.

**NOTE 2:** It may be indicated in BHMC, hundred call seconds (CCS), percent of total, Erlangs or any other unit acceptable to both the provider and the customer at the customer's convenience but should be noted to indicate the unit of measure using the UNIT field entry.

### **VALID ENTRIES:**

A number of traffic units

A percentage or the number specified in TERM TRF field

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EOD USE field is "A" or "D" and the TRFTYP field indicates terminating traffic, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**NOTE 1:** When percentage is used, entry should be right justified.

**EXAMPLES:**   |  |  |3|0|0

  |  |  |  |5|%

**18. TSC - Two Six Code (End Office)**

Identifies a code assigned to a switched access trunk group.

**NOTE 1:** The code is unique to each established trunk group.

**VALID ENTRIES:**

A valid TSC  
NEW

**NOTE 1:** The entry of "NEW" is used when a TSC has not been assigned.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EOD USE field is "B", the END OFFICE field is populated and the TSC (Tandem Level) field is not populated.

**NOTE 2:** Required when the EOD USE field is "B", the END OFFICE field is populated and the entry in this field is different from the entry in the TSC (Tandem Level) field.

**NOTE 3:** Prohibited when the END OFFICE field is not populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** A|Q|2|3|4|5|6|7|

**19. ANI - Automatic Number Identification**

Identifies a request for installation or removal of the automatic number identification feature and/or flexible automatic number identification feature.

**NOTE 1:** The automatic number identification feature is referred to as Charge Number in a CCS environment.

**NOTE 2:** Flex ANI is dependent upon ANI capabilities being provided.

**VALID ENTRIES:**

B = Install ANI and Flex ANI  
F = Install Flex ANI (where ANI already exists)  
R = Remove Flex ANI  
S = Remove all ANI  
Y = Install ANI

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ANI field on the TQ Form is "X", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**20. REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:** |T|H|I|S| |I|S| |A|N| |E|X|A|M|P|L|E| |O|

### **3.2 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the End Office Detail Form.

#### EOD FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACCESS TANDEM	8	Access Tandem
ANI	19	Automatic Number Identification
ASR NO	5	Access Service Request Number
CCNA	2	Customer Carrier Name Abbreviation
END OFFICE	15	End Office
EO ACT	14	End Office Activity
EOD USE	1	End Office Detail Form Use
ORIG	16	Traffic Estimate Originating
ORIG TRF	9	Originating Traffic
PG_of_	6	Page_of_
PON	3	Purchase Order Number
REMARKS	20	Remarks
TERM	17	Traffic Estimate Terminating
TERM TRF	10	Terminating Traffic
TK QTY	7	Trunk Quantity
TRFTYP	12	Traffic Type
TSC	18	Two Six Code (End Office)
TSC	13	Two Six Code (Tandem Level)
UNITS	11	Units
VER	4	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. END OFFICE DETAIL (EOD) FORM NUMBERED**

(Insert Your Company Logo Here)

## **End Office Detail**

V50  
03/15

## **Administrative Section**

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. END OFFICE DETAIL (EOD) FORM CAMERA READY**

(Insert Your Company Logo Here)

## **End Office Detail**

V50  
03/15

## **Administrative Section**

EOD USE	CCNA	PON	VER	ASR NO	PG	OF	
TK QTY	ACCESS	TANDEM	ORIG TRF	TERM TRF	UNITS	TRFTYP	TSC
EO ACT	END OFFICE		ORIG	TERM	TSC	ANI	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							

---

**REMARKS**

---

---

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404015-0050**

**Service Address Location Information (SALI)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404015-0050  
Service Address Location Information (SALI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at < <http://www.atis.org> >.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL _____	1-1
2. SERVICE ADDRESS LOCATION INFORMATION FORM DESCRIPTION _____	2-1
3. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM ENTRIES _____	3-1
3.1 ADMINISTRATIVE SECTION _____	3-2
3.2 ADDRESS DETAIL SECTION _____	3-7
3.3 ALPHA/NUMERIC GLOSSARY _____	3-54
4. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM NUMBERED _____	4-1
5. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM CAMERA READY _____	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Service Address Location Information (SALI) Form entries. The SALI request must always be associated with an ASR which contains administrative and bill detail necessary for the provisioning of the request and a service specific form containing circuit information. The field entries contained within the SALI Form are populated by the customer.

1.2 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.3 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries: within the field is based on provider tariffs/practices.

1.4 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on provider/customer negotiations. Use of either the field or valid entries within the field is based on provider/customer negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. SERVICE ADDRESS LOCATION INFORMATION FORM DESCRIPTION**

2.1 The Service Address Location Information (SALI) Form is used when the customer is providing information regarding the service address.

2.2 The SALI Form is not used as a stand alone form. When used, it must be associated with one of the following service specific forms:

- FGA Request (with extensions)
- WAL Request
- Transport Request
- End User Special Access Request
- Ring Request
- Switched Ethernet Services

2.3 The SALI Form(s) may also be associated with the Multi-point Service Leg and Additional Ring Form.

2.4 When more than one (1) two-point service is ordered on a single request, the service address termination will appear on the SALI Form, and the jack information for the additional circuits will appear on the ACI Form.

2.5 When ordering Ring service, multiple primary locations will exist, which identify the start point of each segment. Only in this situation, can multiple Primary Location Identifiers (PI field) exist on a single request.

2.6 When utilizing the SALI Form, the total number of SALI Forms shall match the entry in the QSA field on the ASR Form.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM ENTRIES**

The SALI Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 - 3.2. Section 3.3 contains an alphabetic listing of the SALI Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** The code is provided by the provider prior to the submission of the Access Service Request.

**NOTE 3:** This CCNA field entry must be identical to the CCNA field entry on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

## **2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** The PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | |

### **3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** The VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

#### **4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This ASR NO field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO field is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1||| | | | | | |

**5. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |  1  |of  |  1  |3  |

### **3.2 ADDRESS DETAIL SECTION**

These fields are used to identify service address details.

#### **6. REF NUM - Reference Number**

Identifies the unique number assigned to the specific location for which the service address applies.

**NOTE 1:** The REF NUM entry on the SALI Form must match the REF NUM entry on the MSL or ARI Forms for which the service address is applicable. In all other situations, the REF NUM field is assumed to be 0001 and associated to the overall order.

#### **VALID ENTRIES:**

0002 – 9999

**USAGE:** This field is conditional.

**NOTE 1:** Required when the NSL field on the service specific form is populated and the first position of the SECLOC field on the MSL Form is “E”.

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is “R” and the first position of the PRILOC field on the ARI Form is “E”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|2|3|

## 7. PI - Primary Location Indicator

Identifies that the service address location information being provided is a primary location.

### **VALID ENTRIES:**

Y = Primary Location

**NOTE 1:** Absence of an entry in the PI field assumes that the location is a secondary location.

**NOTE 2:** Only one PI field entry per request can be identified except when ordering Ring service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the PRILOC field on the EUSA, RING or ARI Form is "E".

**NOTE 2:** Required when the REQTYP on the ASR Form is "E" and the SEI field on the ASR Form is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |Y|

**8. EUNAME - End User Name**

Identifies the end user name associated with the termination location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the PRILOC field on the EUSA Form is "E".

**NOTE 2:** Required when the first position of the SECLOC field on the WAL, Transport, EUSA or MSL Form is "E".

**NOTE 3:** Required when the first position of the PRILOC field on the Ring and/or ARI Forms is “E” and the SPOT (PRI) field on the Ring and/or ARI Forms is not populated.

**NOTE 4:** Required when the REQTYP field on the ASR Form is “E” and the SEI field on the ASR Form is populated.

**NOTE 5:** Optional when the first position of the PRILOC field on the Ring and/or ARI Forms is “E” and the SPOT (PRI) field on the Ring and/or ARI Forms is a CLLI Code.

**NOTE 6:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** X|Y|Z |C|O|R|P|O|R|A|T|I  
                  |O|N| | | | | | | | | |

## 9. AFT - Address Format Type

Identifies the format of the address being supplied.

### VALID ENTRIES:

- A = Rural Route and/or Box Number
- B = Unnumbered
- C = Provider Assigned House Number
- D = Descriptive Address
- E = Remote Location with Assigned CLLI

**NOTE 1:** Absence of an entry in this field assumes the address is an officially numbered address.

**NOTE 2:** A value of “C” indicates a valid address where no house number exists; therefore the provider has assigned an internal house number to facilitate provisioning.

**NOTE 3:** A value of “D” indicates a service delivery location that has not been assigned a postal or E-911 address.

**NOTE 4:** A value of “E” indicates a service delivery location that has been assigned a CLLI code despite the lack of a postal or E-911 address (e.g. tower, hut, pole, billboard, mine, etc.).

**USAGE:** This field is conditional.

**NOTE 1:** A value of “A”, “B”, “C” or “D” is optional when the SASN field is populated.

**NOTE 2:** A value of “E” is optional when the SASN field is blank.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **10. NCON- New Construction**

Identifies that the service address is a new construction.

### **VALID ENTRIES:**

Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the PRILOC field on the EUSA, Ring and/or ARI Forms is "E".

**NOTE 2:** Optional when the first position of the SECLOC field on the WAL, Transport, EUSA or MSL Form is "E".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 11. SAPR - Address Number Prefix

Identifies the prefix for the address number of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SANO field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

2	5	W			
---	---	---	--	--	--

**NOTE 1:** Where 25W is the address number prefix for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## 12. SANO - Address Number

Identifies the number of the service address.

**NOTE 1:** This field may contain a provider assigned house number.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the AFT Field is "C".

**NOTE 2:** Optional when the SASN field is populated.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters

**EXAMPLE:**

4	5	0							
---	---	---	--	--	--	--	--	--	--

**NOTE 1:** Where 450 is the address number for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

### **13. SASF - Address Number Suffix**

Identifies the suffix for the address number of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SANO field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |1| / |2|

**NOTE 1:** Where 1/2 is the address number suffix for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

#### **14. SASD - Street Directional Prefix**

Identifies the street directional prefix for the service address.

##### **VALID ENTRIES:**

E = East  
N = North  
NE = Northeast  
NW = Northwest  
S = South  
SE = Southeast  
SW = Southwest  
W = West

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** [S|W]

**NOTE 1:** Where SW is the street directional prefix for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## 15. SASN - Street Name

Identifies the street name of the service address.

**NOTE 1:** If no street name exists, this entry may be a rural route, general delivery or other description for this service location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "S" or "V", the ACT field on the ASR Form is "N", "C", "M" or "T", the EUNAME field is populated and the SI field is not "C".

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is "E" or "X", the ACT field on the ASR Form is "N", "C", "M" or "T", the EUNAME field is populated and the SI field is not "C".

**NOTE 3:** Required when the first position of the REQTYP field on the ASR Form is "W", the ACT field on the ASR Form is "N", "M" or "T", the EUNAME field is populated and the SI field is not "C".

**NOTE 4:** Required when the LEGACT field on the MSL Form is "N", "C" or "M", the EUNAME field is populated and the SI field is not "C".

**NOTE 5:** Required when the first position of the REQTYP field on the ASR Form is "R", the ACT field on the ASR Form is "N" or "C" and the EUNAME field is populated.

**15. SASN - Street Name (continued)**

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLES:** C | A | M | I | N | O | R | A | M | O | N | | | | | | | |

**NOTE 1:** Where Camino Ramon is the address street name for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

|O|N|E| |C|I|T|Y| |C|E|N|T|E|R| | | | |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

|O|A|K|H|I|L|L| |D|E|V|E|L|O|P|M|E|N|T| |

|L|O|T| |2|8| | | | | | | | | | | | | | |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

## **16. SATH - Street Type**

Identifies the thoroughfare portion of the street name of the service address.

**NOTE 1:** Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Street Suffix Abbreviations section.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**EXAMPLE:**

L	N					
---	---	--	--	--	--	--

**NOTE 1:** Where LN is the address street name type for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **17. SASS - Street Directional Suffix**

Identifies the street directional suffix of the service address.

### **VALID ENTRIES:**

E = East  
N = North  
NE = Northeast  
NW = Northwest  
S = South  
SE = Southeast  
SW = Southwest  
W = West

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** [N|W]

**NOTE 1:** Where NW is the address street directional suffix for the following address example: 25W 450 1/2 SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **18. LD1 - Location Designator #1**

Identifies additional specific information related to the service address (e.g., building, floor, room).

**NOTE 1:** Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Secondary Unit Designators section.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:**

F	L		
---	---	--	--

**NOTE 1:** Where FL is the first location designator for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **19. LV1 - Location Value #1**

Identifies the value associated with the first location designator of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LD1 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters

**EXAMPLE:**

1	2								
---	---	--	--	--	--	--	--	--	--

**NOTE 1:** Where 12 is the first location value for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **20. LD2 - Location Designator #2**

Identifies additional specific information related to the service address (e.g., building, floor, room).

**NOTE 1:** Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Secondary Unit Designators section.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:** **[W|I|N|G]**

**NOTE 1:** Where WING is the second location designator for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **21. LV2 - Location Value #2**

Identifies the value associated with the second location designator of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LD2 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters

**EXAMPLE:** 2                  

**NOTE 1:** Where 2 is the second location value for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

## **22. LD3 - Location Designator #3**

Identifies additional specific information related to the service address (e.g., building, floor, room).

**NOTE 1:** Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Secondary Unit Designators section.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:**

**NOTE 1:** Where STE is the third location designator for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

### **23. LV3 - Location Value #3**

Identifies the value associated with the third location designator of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the LD3 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters

**EXAMPLE:** |2|3|A| | | | | | |

**NOTE 1:** Where 23A is the third location value for the following address example: 25W 450 ½ SW Camino Ramon Lane NW, Floor 12, Wing 2, Suite 23A.

**24. CITY - City**

Identifies the city, village, township, etc. of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 32 alpha/numeric characters

**EXAMPLE:** |O|V|E|R|L|A|N|D| |P|A|R|K| | |

## **25. STATE - State/Province**

Identifies the state/province of the service address.

**NOTE 1:** Recommended abbreviations are contained in the United States Postal Service Publication 28, Postal Addressing Standards Secondary Unit Designators section.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:**

## **26. ZIP - ZIP/Postal Code**

Identifies the ZIP code, ZIP code + extension or postal code of the service address.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SASN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:**

6	6	2	1	2							
---	---	---	---	---	--	--	--	--	--	--	--

0	8	8	5	4	-	1	2	3	4		
---	---	---	---	---	---	---	---	---	---	--	--

M	5	A		1	X	7					
---	---	---	--	---	---	---	--	--	--	--	--

## **27. AAI - Additional Address Information**

Identifies additional location information about the service address.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 150 alpha/numeric characters

**EXAMPLE:**

T	R	A	I	L	E	R		B	E	H	I	N	D		G	A	S		S
T	A	T	I	O	N		N	E	X	T		T	O		P	O	S		T
O	F	F	I	C	E														

## **28. JK CODE - Jack Code**

Identifies the standard code for the particular registered or non-registered jack used to terminate the service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JS field is “E” or “N”.

**NOTE 2:** Prohibited when the JS field is not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** R|J|2|1|X

## **29. JK NUM - Jack Number**

Identifies the number of the existing jack used at service address location.

**NOTE 1:** When the jack identification is unknown, enter 99 in this field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JK CODE field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

### **30. JK POS - Jack Position**

Identifies the position in the jack that a particular circuit will occupy.

**NOTE 1:** When jack position is unknown, enter 99 in this field to specify the next available position.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the JK CODE field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 9|9

### **31. JS - Jack Status**

Indicates whether the access service is to terminate at a new or existing registered jack or demarc.

#### **VALID ENTRIES:**

- D = New demarc (no registered jack or PCA termination required)
- E = Existing registered jack
- F = Existing demarc
- N = New - constitutes an order for the registered jack

**NOTE 1:** If a jack that is being provided for the service is ordered from another tariff, it should be identified as existing.

**NOTE 2:** Valid entries indicating registered jack and demarc cannot be mixed for the same service location.

**NOTE 3:** When this field is populated with "N" constituting an order for a jack, the number of jacks to be provided is based upon the quantity of circuits/facilities ordered, the type of jack (JK CODE) and the number of positions available in a multi position jack.

**31. JS - Jack Status (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is "R".

**NOTE 2:** Required when the ACT field on the ASR Form is "N" or "T", the PCA field is not populated, the EUNAME field is populated and the SI field is not "C".

**NOTE 3:** Required when the LEGACT field on the MSL Form is "N", the PCA field is not populated, the EUNAME field is populated and the SI field is not "C".

**NOTE 4:** Optional when the ACT field on the ASR Form is "C", "D" or "M", the PCA field is not populated, the EUNAME field is populated and the SI field is not "C".

**NOTE 5:** Optional when the LEGACT field on the MSL Form is "C", "D", "M" or "K", the PCA field is not populated, the EUNAME field is populated and the SI field is not "C".

**NOTE 6:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

### **32. SMJK - Smart Jack**

Indicates a need to provide remote loop back (Smart) capabilities, at the premises, for the new jack requested for this service.

#### **VALID ENTRIES:**

Y = Provide Smart Jack

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **33. PCA - Protective Connecting Arrangement**

Identifies the standard code for a Protective Connecting Arrangement (PCA).

**NOTE 1:** PCAs are grandfathered and are offered subject to on-the-shelf availability.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is “R”.

**NOTE 2:** Required when the ACT field on the ASR Form is “N” or “T”, the JS field is not populated, the EUNAME field is populated and the SI field is not “C”.

**NOTE 3:** Required when the LEGACT field on the MSL Form is “N”, the JS field is not populated, the EUNAME field is populated and the SI field is not “C”.

**NOTE 4:** Optional when the ACT field on the ASR Form is “C”, “D”, or “M”, the JS field is not populated, the EUNAME field is populated and the SI field is not “C”.

**NOTE 5:** Optional when the LEGACT field on the MSL Form is “C”, “D”, “M” or “K”, the JS field is not populated, the EUNAME field is populated and the SI field is not “C”.

**NOTE 6:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |C|2|3|4|W|

### **34. SI - Secondary Point of Termination Indicator**

Identifies whether the SPOT field contains a CLLI code or a narrative.

#### **VALID ENTRIES:**

C = CLLI Code  
N = Narrative

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SPOT field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **35. SPOT - Secondary Location Point of Termination**

This field may be used to enter a CLLI Code or a narrative format to identify a physical point of termination at the noted location. This field may contain a frame designation, block identification, etc.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**35. SPOT - Secondary Location Point of Termination (continued)**

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** May be an ACTL, PBX, etc.

**NOTE 4:** Additional information may be entered in the AAI field.

**NOTE 5:** A value of "E" in the AFT field will indicate that an 8 character CLLI Code is acceptable in identifying the remote location.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the REQTYP field on the ASR Form is "R".

**NOTE 2:** Required when the AFT field has a valid entry of "E".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |L|S|A|N|C|A|M|C|F|0|1|

|B|1|7|-|P|5|-|J|K|2|4|

|L|S|A|N|C|A|M|C| | | |

### **36. ICOL - ICO Location**

Identifies the serving wire center of the Independent Company (ICO) for the end user location.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ASC-EC field on the ASR Form and the SASN field are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha /numeric characters

**EXAMPLE:** [A|T|L|N|G|A|C|X]

### **37. LCON - Local Contact**

Identifies the local contact name for access.

**NOTE 1:** The contact will be made at the time of installation or disconnect for gaining access to service address location.

**NOTE 2:** This is the name of the person to be contacted using the telephone number in the ACTEL field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "W" or "S", the ACT field on the ASR Form is "N", "M" or "T", the EUNAME field is populated and the SI field is not "C".

**NOTE 2:** Required when the first position of the REQTYP field on the ASR Form is "A", "W", "S" or "E", the LEGACT field on the MSL Form is "N", "C" or "M", the EUNAME field is populated and the SI field is not "C".

**NOTE 3:** Required when the first position of the REQTYP field on the ASR Form is "E", the ACT field on the ASR Form is "N", "C", "M" or "T", the EUNAME field is populated and the SI field is not "C".

**NOTE 4:** Required when the first position of the REQTYP field on the ASR Form is "R", the ACT field on the ASR Form is "N" and the EUNAME field is populated.

**37. LCON - Local Contact (continued)**

**NOTE 5:** Required when the first position of the REQTYP field on the ASR Form is "R", the ACT field on the ASR Form is "C", the SEGACT field on the Ring or ARI Form is "N" or "C" and the EUNAME field is populated.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** [J|O|H|N| |S|M|I|T|H| | | | ]

### **38. ACTEL - Access Telephone Number**

Identifies the telephone number to be used for the purpose of arranging access to the service address location for installation purposes.

**NOTE 1:** Whenever possible, this number should be working at the service address location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** |2|0|1| - |9|8|1| - |3|5|8|7| - | | | | |

### **39. AACTEL - Alternate Access Telephone Number**

Identifies the alternate telephone number to be used for the purpose of arranging access to the service address location for installation purposes.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:**

2	0	1	-	9	8	1	-	3	5	8	7	-				
---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

#### **40. ACPGN - Access Pager Number**

Identifies the pager number to be used for the purpose of arranging access to the service address location for installation purposes.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** 8|0|0|-|7|2|4|-|3|3|2|9|

8|0|0|-|L|E|T|M|E|I|N|\_|

#### **41. ACPPN - Access Pager PIN Number**

Identifies the pager PIN number to be used for the purpose of arranging access to the service address location for installation purposes.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACPGN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:** |8|6|6|7|2|4|9| |

|8|6|6|7|2|4|9|#|

**42. LCON EMAIL – Local Contact Electronic Mail Address**

Identifies the electronic mail address of the local contact.

**NOTE 1:** Providing this information may reduce delays in service delivery.

**VALID ENTRIES:**

Valid Email Address

NONE = The LCON does not have an email address.

**NOTE 1:** The valid entry of “NONE” may only be used if the LCON does not have a company or personal email that can be used for this purpose.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the LCON field is populated and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

#### **43. ALCON - Alternate Local Contact**

Identifies the alternate local contact name for access.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:**

J	O	H	N		S	M	I	T	H					
---	---	---	---	--	---	---	---	---	---	--	--	--	--	--

#### **44. ALCON TEL - Alternate Local Contact Telephone Number**

Identifies the telephone number associated with the local contact.

**NOTE 1:** Whenever possible, this number should be working at the service address location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ALCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:**

2	0	1	-	9	8	1	-	3	5	8	7	-				
---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

**45. AALCON TEL - Additional Alternate Local Contact Telephone Number**

Identifies the alternate telephone number associated with the alternate local contact.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ALCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:**

2	0	1	-	9	8	1	-	3	5	8	7	-				
---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

**46. ALCON EMAIL -** Alternate Local Contact Electronic Mail Address

Identifies the electronic mail address of the alternate local contact.

**NOTE 1:** Providing this information may reduce delays in service delivery.

**VALID ENTRIES:**

Valid Email Address

NONE = The ALCON does not have an email address.

**NOTE 1:** The valid entry of “NONE” may only be used if the ALCON does not have a company or personal email that can be used for this purpose.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ALCON field is populated and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

## **47. ACC - Access Information**

Indicates the access instructions at the service address location.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “R”, otherwise optional.

**DATA CHARACTERISTICS:** 45 alpha/numeric characters

**EXAMPLE:** |A|F|T|E|R| |3|P|M| | | | | | | | | | | | | | | | |

#### **48. WKTEL - Working Telephone Number**

Identifies a working landline telephone number at the service address location.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 4|0|4 - 5|2|9 - 5|3|0|9

### 3.3 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Service Address Location Information Form fields.

#### SALI FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
AACTEL	39	Alternate Access Telephone Number
AAI	27	Additional Address Information
AALCON TEL	45	Additional Alternate Local Contact Telephone Number
ACC	47	Access Information
ACPGN	40	Access Pager Number
ACPPN	41	Access Pager PIN Number
ACTEL	38	Access Telephone Number
AFT	9	Address Format Type
ALCON	43	Alternate Local Contact
ALCON EMAIL	46	Alternate Local Contact Electronic Mail Address
ALCON TEL	44	Alternate Local Contact Telephone Number
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
CITY	24	City
EUNAME	8	End User Name
ICOL	36	ICO Location
JK CODE	28	Jack Code
JK NUM	29	Jack Number
JK POS	30	Jack Position
JS	31	Jack Status
LCON	37	Local Contact
LCON EMAIL	42	Local Contact Electronic Mail Address
LD1	18	Location Designator #1
LD2	20	Location Designator #2
LD3	22	Location Designator #3
LV1	19	Location Value #1
LV2	21	Location Value #2
LV3	23	Location Value #3

## SALI FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
NCON	10	New Construction
PCA	33	Protective Connecting Arrangement
PG_of_	5	Page_of_
PI	7	Primary Location Indicator
PON	2	Purchase Order Number
REF NUM	6	Reference Number
SANO	12	Address Number
SAPR	11	Address Number Prefix
SASD	14	Street Directional Prefix
SASF	13	Address Number Suffix
SASN	15	Street Name
SASS	17	Street Directional Suffix
SATH	16	Street Type
SI	34	Secondary Point of Termination Indicator
SMJK	32	Smart Jack
SPOT	35	Secondary Location Point of Termination
STATE	25	State/Province
VER	3	Version Identification
WKTEL	48	Working Telephone Number
ZIP	26	ZIP/Postal Code

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM NUMBERED

(Insert Your Company Logo Here)

### Service Address Location Information Form

V50  
03/15

#### Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	6

#### Address Detail Section

REF NUM	PI	EUNAME	AFT	NCON	SAPR	SANO	SASF	SASD
6	7	8	9	10	11	12	13	14
SASN								
15	16	17	SATH	SASS				
LD1	LV1	LD2	LV2	LD3	LV3			
18	19	20	21	22	23			
CITY	STATE	ZIP						
24	25	26						
AAI								
27								
JK CODE	JK NUM	JK POS	JS	SMJK	PCA	SI	SPOT	ICOL
28	29	30	31	#	33	#	35	36
LCON	ACTEL				AACTEL			ACPGN
37	38	-	-	-	39	-	-	40
ACPPN	41							
LCON EMAIL								
42								
ALCON	ALCON TEL				AALCON TEL			
43	44	-	-	-	45	-	-	
ALCON EMAIL								
46								
ACC	WKTEL							
47	48	-	-	-				

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM CAMERA READY

(Insert Your Company Logo Here)

### Service Address Location Information Form

V50  
03/15

#### Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
------	-----	-----	--------	----	----

#### Address Detail Section

REF NUM	PI	EUNAME	AFT	NCON	SAPR	SANO	SASF	SASD
SASN							SATH	SASS
LD1	LV1	LD2	LV2	LD3	LV3			
CITY				STATE	ZIP			
AAI								
JK CODE	JK NUM	JK POS	JS	SMJK	PCA	SI	SPOT	ICOL
LCON	ACTEL			AACTEL			ACPGN	ACPPN
LCON EMAIL								
ALCON	ALCON TEL			AALCON TEL				
ALCON EMAIL								
ACC					WKTEL			

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404016-0050**

**Ethernet Virtual Connection (EVC) Form  
Preparation Guide**

**Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404016-0050  
Ethernet Virtual Connection (EVC) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

ETHERNET VIRTUAL CONNECTION FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. EVC FORM DESCRIPTION	2-1
3. ETHERNET VIRTUAL CONNECTION (EVC) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 ETHERNET VIRTUAL CONNECTION DETAIL SECTION	3-6
3.3 UNI MAPPING DETAIL SECTION	3-17
3.4 ALPHA/NUMERIC GLOSSARY	3-61
4. ETHERNET VIRTUAL CONNECTION (EVC) FORM NUMBERED	4-1
5. ETHERNET VIRTUAL CONNECTION (EVC) FORM CAMERA READY	4-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Ethernet Virtual Connection (EVC) Form entries. The EVC Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request.

Throughout this document the term “EVC” shall be interpreted to include both Ethernet Virtual Connections (EVC), and Operator Virtual Connections (OVCs).

The EVC Form contains four sections: Administrative, Ethernet Virtual Connection Detail, Mapping Detail and Remarks. The Administrative Section relates the EVC Form to the ASR. The Ethernet Virtual Connection Detail Section carries the information specific to the ordering and provisioning of Ethernet Virtual services. The Mapping Detail Section contains information relative to the bandwidth profiles for each UNI or ENNI termination point. The Remarks Section is used for additional narrative information. The field entries contained within the EVC Form are provided by the customer.

1.2 This practice will be reissued as necessary to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

## **1. GENERAL (CONTINUED)**

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, NC/NCI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 2. EVC FORM DESCRIPTION

2.1 All information required for ordering Ethernet virtual connection services is provided in the various fields contained within the EVC Form. The Ethernet Virtual Connection Detail Section provides entries for the specification of the overall service configuration. The UNI Mapping Detail Section provides entries for describing the information relative to the level of service ordering options and associated bandwidth profiles for each Network Interface (UNI/ENNI) termination point.

2.2 At least one physical UNI/ENNI must have already been established or submitted to the ordering process prior to the submission of a request for EVCs or an EVC and UNI/ENNI (physical port) combination.

2.3 Usage rules for Ethernet virtual connections are based upon a combination of ASR Activity or UNI/ENNI activity.

For a stand-alone request, the ASR ACT represents the activity of the EVC. For a combination request the ASR ACT represents the activity of both the physical port and the EVC.

Unless otherwise specified the usage rules are based upon ASR activity:

ACT (ASR)	UACT	LOSACT
N	N, K	N, K
C <sup>1</sup>	N, C, D, K	N, C, D, K
D	D, K	
R	R, K	
M	Not Allowed	Not Allowed
T	Not Allowed	Not Allowed

---

<sup>1</sup> Activity of C is not applicable for a combination request.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. ETHERNET VIRTUAL CONNECTION (EVC) FORM ENTRIES**

The EVC Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.3. Section 3.4 contains an alphabetic listing of the EVC Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

## **2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |R|K|7|5|M|R|7|4|2|0|0|4|-|1|3|\_|

### **3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### **4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|1|1| | | | | | |

### **3.2 ETHERNET VIRTUAL CONNECTION DETAIL SECTION**

The Ethernet Virtual Connection Detail Section provides entries for the specification of the overall service configuration. Only one Ethernet Virtual Connection may be ordered on one ASR.

#### **5. EVC NUM – Ethernet Virtual Connection Reference Number**

Identifies a unique number associated with the Ethernet Virtual Connection.

**NOTE 1:** The EVC NUM is customer assigned and is returned on the confirmation notice to the ordering customer.

##### **VALID ENTRIES:**

0001

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|0|1

## 6. NC – Network Channel Code

Identifies the network channel code for the circuit(s) involved. The NC code describes the channel provided by the provider.

**NOTE 1:** The NC code on the EVC Form is used specifically for the ordering of the Ethernet virtual connections. The NC code will specify options such as EVC Type (point to point (E-Line), or multi-point (E-LAN), etc.).

**NOTE 2:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, “C” or “R”, otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |V|L|P|-|

## 7. EVCID - Ethernet Virtual Connection Identifier

Identifies the provider assigned Ethernet virtual connection identifier.

**NOTE 1:** The provider assigning this EVCID determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the EVCID should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the EVCID are not populated, the component should be compressed to eliminate any spaces.

**NOTE 5:** The format and structure of the field is defined by ANSI standards.

### VALID ENTRIES:

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format. This format is defined in ANSI T1.266, Structure for the Identification of Telecommunications Circuits for the North American Telecommunications System and consists of the following elements:
  1. **Prefix** - A non-standard code populated according to the special services circuit coding methodology of each carrier or network operator assigning the circuit identification (1-2 alpha/numeric characters).

**7. EVCID - Ethernet Virtual Connection Identifier (continued)**

2. **Service Code** - A standardized code that represents a tariff offering that requires special services circuit provisioning. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
3. **Service Code Modifier** - A standardized code that designates the jurisdiction, networking application, and additional technical information of the service identified in the service code. Valid entries are outlined in Telcordia Technologies practice BR 795-402-100 (2 alpha/numeric characters).
4. **Serial Number** - A serial number type code that uniquely identifies a special services circuit having the same prefix, service code, and service code modifier within a network operator or carrier assigning the circuit identification (1-6 numeric characters).
5. **Suffix** - A serial number type code that relates a group of special services circuits having the same service code for the same customer, and with similar termination equipment at each end (1-3 numeric characters).
6. **Assigning Company ID** - A standardized code that uniquely identifies the network operator or carrier assigning the circuit identification. Valid entries are outlined in Telcordia Technologies practice BR 751-100-112 (2-4 alpha characters).
7. **Segment Number** - A serial number type code that uniquely identifies each termination point of a special services circuit, when the circuit has more than two termination points, i.e. multi-point circuit (1 - 3 alpha/numeric characters).

**7. EVCID - Ethernet Virtual Connection Identifier (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “C”, “D” or “R”, otherwise optional.

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** 9|2|/|V|L|X|X|/|1|2|3|4|5|6|/|/|O|B| | |  
| | | | | | | |

## **8. NUT – Number of UNI/ENNI Terminations**

Reflects the number of UNI/ENNI termination occurrences being affected by the service request.

### **VALID ENTRIES:**

01-20

**NOTE 1:** When the EVCI field on the ASR form is “B” the quantity of “01” is not valid.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “D”, otherwise required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** 0|7

## **9. SVP – SVLAN ID Preservation**

Identifies that the customer is requesting S-VLAN ID preservation on a requested OVC.

**NOTE 1:** Preservation means that the S-VLAN values provided to an OVC at the ingress ENNI will be retained and the same values will be handed off from the OVC at the egress ENNI.

### **VALID ENTRIES:**

Y = Preservation is being requested

**USAGE:** This field is conditional.

**NOTE 1:** Optional when all RUIDs indicate an ENNI, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 10. **MSFS – Maximum Service Frame Size**

Identifies the Maximum Service Frame Size allowed (in bytes) for the EVC.

**NOTE 1:** This attribute may be specified by the provider as part of their product offering.

**NOTE 2:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

### **VALID ENTRIES:**

EVC Maximum Frame Size Value (numeric value expressed in bytes)

**NOTE 1:** The value of the EVC Maximum Service Frame Size must be less than or equal to the smallest of the UNI Maximum Service Frame Sizes.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**   |  1  |  5  |  1  |  8  

  |  9  |  0  |  0  |  0

## 11. **CEV-P** – CE-VLAN Identification Preservation

Identifies if the VLAN ID portion of the Customer Edge VLAN Tag is preserved.

**NOTE 1:** A Service Frame is defined to have its CE-VLAN Identification preserved when the relationship between the ingress Service Frame and its corresponding egress Service Frame(s) is as described in the table below:

Ingress Service Frame	Egress Service Frame(s)
Untagged Service Frame	Untagged Service Frame
Tagged Service Frame	Tagged Service Frame with VLAN ID equal to the VLAN ID of the Tag on the ingress Service Frame

**NOTE 2:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

**NOTE 3:** This attribute may be specified by the provider as part of their product offering.

### **VALID ENTRIES:**

E = Enabled  
D = Disabled

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 12. **CEV-CP – CE-VLAN Class of Service Preservation**

Identifies if the VLAN Class of Service (CoS) portion of the Customer Edge VLAN Tag is preserved.

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

**NOTE 2:** This attribute may be specified by the provider as part of their product offering.

### **VALID ENTRIES:**

E = Enabled  
D = Disabled

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**13. EVCCR** - Ethernet Virtual Connection Customer Circuit Reference

Identifies the circuit number used by the customer.

**NOTE 1:** EVCCKR is used by the customer as a cross reference to the provider EVC ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:** | L | 0 | 0 | 0 | 2 | - | 0 | 0 | 2 | 4 | | | | | | | | | |

### 3.3 UNI MAPPING DETAIL SECTION

The UNI Mapping Detail Section provides entries for describing the information relative to the level of service ordering options and associated bandwidth profiles for each User Network Interface (UNI) termination point or External Network to Network Interface (ENNI) termination point. UNI mapping detail must be provided for each termination point on the network for the specified EVC.

#### 14. UREF - User Network Interface (UNI) Reference Number

Identifies the reference number associated to the UNI port or ENNI termination point to which EVC mapping requirements will be applied.

**NOTE 1:** On the initial transmittal of this ASR request, the UREF is a consecutively assigned customer value beginning with “01”.

**NOTE 2:** On a supplemental transmittal of this ASR request, the UREF can be reassigned if previously cancelled. If the UREF has not been previously cancelled, it must retain the original value for the life of the ASR request.

**NOTE 3:** The total number of UREFs must equal the value specified in the Number of UNI Terminations (NUT) field.

#### VALID ENTRIES:

01 – 20

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “D”, otherwise required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |1|0|

**15. EI – ENNI Indicator**

Identifies when the UREF is an ENNI.

**VALID ENTRIES:**

Y = Indicates that the UREF is an ENNI

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the UACT field on the EVC Form is “N” or “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**16. AUNT – Associated UNI/ENNI Termination**

Identifies the UREF termination point associated with the physical port being requested on the ASR.

**VALID ENTRIES:**

A = Associated

**NOTE 1:** Only one UREF can be designated as the Associated Termination Point.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EVCI field on the ASR Form is “B”, the associated UREF field is populated and it is the termination point associated with this UNI/ENNI, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**17. UACT - User Network Interface (UNI) Activity Indicator**

Identifies the activity that is taking place at this UNI/ENNI termination point.

**VALID ENTRIES:**

C = Change  
D = Disconnect  
K = Cancel  
N = New  
R = Record Activity

**NOTE 1:** Valid entry of "K" is not permitted on initial issuance of request. An entry of "K" will indicate that all LOS activity associated with this UNI/ENNI termination is also cancelled.

**NOTE 2:** Use of "C" versus "D" and "N" activity is based on provider/tariffs/contracts/negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated UREF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**18. RPON - Related Purchase Order Number**

Identifies the PON of a related Access Service Request.

**NOTE 1:** The RPON specified in this field identifies the PON which is establishing the physical connection (UNI) for this end of the EVC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated UREF field is populated and the associated RUID and the associated AUNT fields are not populated.

**NOTE 2:** Prohibited when the associated AUNT field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** | 8 | 2 | 4 | Z | 9 | | | | | | | | | | | | | | | |

**19. NCI - Network Channel Interface Code**

Identifies the interface characteristics on the circuit at the ACTL/Primary Location.

**NOTE 1:** Identifies the mapping conditions between the EVC and UNI/ENNI at each EVC termination location.

**NOTE 2:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

**VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**19.**      **NCI - Network Channel Interface Code (continued)**

**USAGE:**     This field is conditional.

**NOTE 1:** Required when the associated UACT field is “N”, “C” or “R”, otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**NOTE 1:** For Ethernet Virtual Services the seven character minimum includes the first delimiter and one protocol option.

**EXAMPLE:** |0|2|V|L|N|.|U| | | | | | |



## 20. **EVCSP** – Ethernet Virtual Connection Switch Point

Identifies the Ethernet switching point, in CLLI code format, at the UNI/ENNI termination.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).
4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

## **20. EVCSP – Ethernet Virtual Connection Switch Point (continued)**

### **VALID ENTRIES:**

Valid Ethernet Switch CLLI

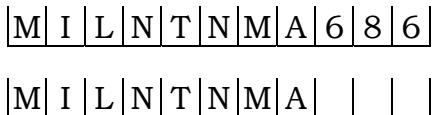
**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** The use of an 8 character CLLI code is based on customer provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is “D”, otherwise optional.

**DATA CHARACTERISTICS:** 8 or 11 alpha/numeric characters

**EXAMPLES:** 

## 21. **BUM-FD** - Broadcast, Unicast and Multicast Frame Delivery

Identifies the service frame delivery disposition for Broadcast, Unicast and Multicast service frames outside of the provider's specified throttling defaults for those providers who bill and/or provision at the port level.

Character Position 1 = Broadcast Frame Delivery disposition

Character Position 2 = Unicast Frame Delivery disposition

Character Position 3 = Multi-cast Frame Delivery disposition

**NOTE 1:** More information regarding this field can be found in the Metro Ethernet Forum (MEF) Technical Specification MEF 10.3.

### **VALID ENTRIES:**

C = Conditional

D = Discard

U = Unconditional

**NOTE 1:** Valid entry of "C" indicates the Broadcast, Unicast and/or Multicast service frames that will be delivered if certain product descriptions and/or provider specific conditions are met.

**NOTE 2:** Valid entry of "D" indicates the Broadcast, Unicast and/or Multicast service frames that will be discarded.

**NOTE 3:** Valid entry of "U" indicates the Broadcast, Unicast and/or Multicast service frames that will be delivered unconditionally.

**NOTE 4:** All positions are optional and an entry in one position does not require an entry in any other position.

**21. BUM-FD** - Broadcast, Unicast and Multicast Frame Delivery  
(continued)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLES:** |C|U|D|

|U| | |

**22. RUID - Related UNI Identifier**

Identifies the provider's related circuit ID for a UNI or ENNI (circuit or Link Aggregation Group) against which the EVC activity is requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated UREF field is populated and the associated RPON field and the associated AUNT field are not populated.

**NOTE 2:** Prohibited when the associated AUNT field is populated and the ACT field on the ASR Form is "N".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:**

9	2	/	K	D	F	N	/	1	2	3	4	5	6	/	/	O	B		

**23. R/L – Root/Leaf**

Indicates that the UNI is either a root or a leaf in a rooted multipoint EVC.

**NOTE 1:** At least one UNI must be designated as a Root.

**NOTE 2:** More than one Root is allowed per EVC.

**VALID ENTRIES:**

L = Leaf UNI  
R = Root UNI

**USAGE:** This field is conditional.

**NOTE 1:** Required for a rooted multipoint EVC as designated by the NC Code when the ACT field on the ASR Form is “N”.

**NOTE 2:** Optional for rooted multipoint EVC as designated by the NC Code when the ACT field on the ASR Form is “C”, “D”, or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **24. S-VACT – Service Virtual Local Area Network Activity**

Identifies the activity requested for the S-VLAN.

### **VALID ENTRIES:**

N = New  
D = Disconnect  
E = Retain Existing

**NOTE 1:** Use of this field is based on customer provider negotiations.

**NOTE 2:** Entry of “N” shall be used when adding a new S-VLAN. An entry of “N” is not valid when UACT is “D”.

**NOTE 3:** Entry of “D” shall be used when removing an existing S-VLAN. An entry of “D” is not valid when the UACT is “N”.

**NOTE 4:** Entry of “E” shall be used for those providers that require a reiteration of all existing S-VLANs that will be retained, otherwise existing S-VLANs are retained by default. An entry of “E” is not valid when the UACT is “N” or “D”.

**NOTE 5:** When changing a S-VLAN from one value to another, an entry of “N” shall be used for the S-VLAN to be added and an entry of “D” shall be used for the S-VLAN to be removed.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated S-VLAN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |N|

## 25. **S-VLAN** – Service Virtual Local Area Network

The identifier found within the service tag (commonly referred to in MEF as S-Tag) which is typically associated with OVC end points at an ENNI.

**NOTE 1:** This is the top tag in the stacked or Q in Q arrangement, or may be the sole identifier when customer frames are untagged (no underlying CE-VLAN).

**NOTE 2:** This is usually provider assigned but may be negotiated between provider and customer.

**NOTE 3:** When this field is populated, if the provider can not accommodate the requested value(s), it may be further negotiated between provider and customer.

**NOTE 4:** When this field is blank and the associated NCI code specifies an S-VLAN based map, the value will be assigned by the provider.

**NOTE 5:** When allowed by the provider product definition, S-VLANs may be specified in a range.

### **VALID ENTRIES:**

0001-4095

**NOTE 1:** A single value may be entered or multiple four numeric S-VLANs are allowed to describe a non-contiguous list and/or ranges.

**NOTE 2:** Based on customer/provider negotiations, if a provider does not require a reiteration of all existing S-VLANs that are to be retained, the existing S-VLANs are retained by default when not provided.

**25. S-VLAN – Service Virtual Local Area Network (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the associated NCI code specifies anything other than an S-VLAN based map.

**NOTE 2:** Prohibited when the associated VPN-ID field is populated.

**NOTE 3:** Required when the associated UACT field is “C” and the associated NCI code specifies an S-VLAN based map.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 pre-printed hyphen)

**EXAMPLES:**

0	7	5	2	-			
---	---	---	---	---	--	--	--

0	7	5	0	-	0	7	5	9
---	---	---	---	---	---	---	---	---

## **26. EVCMPID – EVC Meet Point ID**

Specifies the physical facility ID interconnecting the two service providers in an EVC meet point configuration.

**NOTE 1:** MEF 26 defines the basic architecture of Metro Ethernet Services that cross more than one service provider domain. However, it assumes that the EVC customer interacts with only one provider who in turn places “access” orders (ENNI for the physical interconnect and OVCs for the virtual service instance) to all other providers in the path. The EVC customer receives a single circuit ID. Also in the MEF 26 model, this “EVC Meet Point” would actually be an ENNI and the EVC customer would have no visibility to it. The EVC Meet Point ID field supports an alternative, pre-MEF 26 model whereby the EVC customer places the EVC order simultaneously to both service providers in the end to end path and refers to the physical interconnection point between the two providers.

**NOTE 2:** Established during pre-order negotiations outside of the ASR process.

**NOTE 3:** The interconnecting facility requires that an Ethernet port be dedicated to it in order to carry Ethernet service, when the EVC involves the territories of more than one provider.

**NOTE 4:** The format and structure of this field is defined by ANSI in document ATIS-0300097 Structure for the Identification of Telecommunications Connections for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-450-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.5.

**26. EVCMPID – EVC Meet Point ID (continued)**

**VALID ENTRIES:**

CLFI Code

**NOTE 1:** The facility type code and CLLI codes used in the location elements of the CLFI code are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ASC-EC field on the ASR form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLE:** |1|0|1| / |G|E|I|N| / |C|I|T|Y|S|T|2|5|1|1|W  
| / |C|I|T|Y|S|T|X|A|1|3|W| | | | | | | |  
| | |

**27. OTC – Other Exchange Company (Terminating) (EVC)**

Identifies the EC or Company Code of the network facing switch of the provider in an EVC Meet Point service arrangement.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.251, Identification of Telecommunications Service Provider Codes for the North American Telecommunications System.

**VALID ENTRIES:**

**COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.

**COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated EVCMPIID field is populated, otherwise prohibited.

**27.**       **OTC** – Other Exchange Company (Terminating) (EVC)  
(continued)

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

## **28. ASN – Autonomous System Number**

Indicates the unique number identifying the customer Internet network ordering the Border Gateway Protocol (BGP) service.

**NOTE 1:** An ASN is assigned to each network on the Internet.

### **VALID ENTRIES:**

A valid ASN

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) standards for an ASN. The ASN is provided by the Internet Assigned Numbers Authority (IANA).

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering BGP, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

4				
---	--	--	--	--

1	2	3	4	5
---	---	---	---	---

## **29. VPN-ACT – Virtual Private Network Identifier Activity**

Identifies the activity requested for the VPN-ID.

### **VALID ENTRIES:**

N = New  
D = Disconnect  
E = Retain Existing

**NOTE 1:** Entry of “N” shall be used when adding a new VPN-ID. An entry of “N” is not valid when UACT is “D”.

**NOTE 2:** Entry of “D” shall be used when removing an existing VPN-ID. An entry of “D” is not valid when the UACT is “N”.

**NOTE 3:** Entry of “E” shall be used for those providers that require a reiteration of the VPN-ID that will be retained, otherwise existing VPN-ID is retained by default. An entry of “E” is not valid when the UACT is “N” or “D”.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated VPN-ID field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |N|

### **30. VPN-ID – Virtual Private Network Identifier**

Indicates a unique identifier for the virtual private network that creates a secure network connection over a public network.

**NOTE 1:** When this field is populated, if the provider cannot accommodate the requested value(s), it may be further negotiated between provider and customer.

#### **VALID ENTRIES:**

1-9999999999

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated ASN field is populated and all of the associated S-VLAN fields are not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLES:** 4|5|6|7|8|9|0|\_|\_|\_

|1|2|3|4|5|6|7|8|9|0|

**31. VACT** – Customer Edge Virtual Local Area Network Activity Indicator

Identifies the activity requested for the CE-VLAN.

**VALID ENTRIES:**

N = New  
D = Disconnect  
E = Retain Existing

**NOTE 1:** Use of this field is based on customer provider negotiations.

**NOTE 2:** Entry of “N” shall be used when adding a new CE-VLAN. An entry of “N” is not valid when UACT is “D”.

**NOTE 3:** Entry of “D” shall be used when removing an existing CE-VLAN. An entry of “D” is not valid when the UACT is “N”.

**NOTE 4:** Entry of “E” shall be used for those providers that require a reiteration of all existing CE-VLANs that will be retained, otherwise existing CE-VLANs are retained by default. An entry of “E” is not valid when the UACT is “N” or “D”.

**NOTE 5:** When changing a CE-VLAN from one value to another, an entry of “N” shall be used for the CE-VLAN to be added and an entry of “D” shall be used for the CE-VLAN to be removed.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated CE-VLAN field is populated, otherwise prohibited.

**31. VACT – Customer Edge Virtual Local Area Network Activity Indicator (continued)**

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

### **32. CE-VLAN – Customer Edge Virtual Local Area Network**

An identifier derivable from a content of a service frame that allows the service frame to be associated with an EVC at the UNI.

**NOTE 1:** This is usually provider assigned but may be negotiated between provider and customer.

#### **VALID ENTRIES:**

0001-4095

**NOTE 1:** For a VLAN based map with many to one bundling, multiple four numeric CE-VLANS are allowed to describe a list and/or ranges. Each UNI termination point must contain the same set of CE-VLAN values.

**NOTE 2:** Only one four numeric CE-VLAN entry is allowed for all other VLAN based map types.

**NOTE 3:** Based on customer/provider negotiations, if a provider does not require a reiteration of all existing CE-VLANS that are to be retained, the existing CE-VLANS are retained by default when not provided.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the associated NCI code specifies anything other than a VLAN based map, otherwise optional.

**DATA CHARACTERISTICS:** 9 numeric characters (including 1 preprinted hyphen)

**32. CE-VLAN** – Customer Edge Virtual Local Area Network  
(continued)

**EXAMPLES:** |0|7|5|0|-| | | | | |

**NOTE 1:** This example depicts a single CE-VLAN entry.  
Multiple single entries may be populated to comprise a list of non-contiguous CE-VLANS.

|0|7|5|0|-|0|7|5|9|

**NOTE 1:** This example depicts a range of CE-VLANS.

**33. LREF – Level of Service Reference Number**

Identifies the reference number associated to the level of service mapping configuration being requested.

**NOTE 1:** On the initial transmittal of this ASR request, the LREF is a consecutively assigned customer value beginning with “1”.

**NOTE 2:** On a supplemental transmittal of this ASR request, the LREF can be reassigned if previously cancelled. If the LREF has not been previously cancelled, it must retain the original value for the life of the ASR request.

**VALID ENTRIES:**

1-5

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated UACT field is “C” or “N”.

**NOTE 2:** Optional when the associated UACT field is “K”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**34. LOSACT – Level of Service Activity Indicator**

Identifies the activity for the level of service at this UNI termination occurrence.

**VALID ENTRIES:**

C = Change  
D = Disconnect  
K = Cancel  
N = New

**NOTE 1:** Valid entry of "K" is not permitted on initial issuance of request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated LREF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### 35. LOS – Level of Service Name

Identifies a name for a provider defined level of service performance associated with the Ethernet product offering.

**NOTE 1:** This field is analogous to the Class of Service (COS) attribute as defined by the Metro Ethernet Forum as outlined in Technical Specification MEF 23.1.

**NOTE 2:** Examples of Ethernet LOS names are Gold, Silver, Premium, Best Effort, A, B, C etc.

**NOTE 3:** Technical parameters for a given LOS name are defined by the provider tariffs.

**NOTE 4:** This is an alternative identifier for the level of service performance.

**NOTE 5:** Unique entries are required per UREF.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated LREF field is populated and the associated SPEC field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters

**EXAMPLES:** |P|L|A|T|I|N|U|M|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

|A|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

### **36. SPEC – Service and Product Enhancement Code**

Identifies a specific product or service offering.

**NOTE 1:** SPEC may be applicable for virtual service level features and options other than those already identified by the Network Channel (NC) and Network Channel Interface (NCI) codes.

**NOTE 2:** Telcordia Technologies, Inc. is the intellectual property owner and administrator of SPEC. The SPEC code structure and use are outlined in Telcordia Technologies special report SR-2491.

**NOTE 3:** This is an alternative identifier for the level of service performance.

**NOTE 4:** Unique entries are required per UREF.

#### **VALID ENTRIES:**

Positions 1-7 = Any alpha character except “I” or any numeric character except “0”.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated LREF field is populated and the associated LOS field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, and 7 alpha/numeric characters maximum

**EXAMPLE:** |F|R|D|S|3|2|3|

### 37. **P-BIT** - Priority Bit

An optional parameter within the Ethernet frame to specify priority. In this application it will be used to map certain traffic to a given level of service on an EVC when the provider supports multiple levels of service per EVC.

#### **VALID ENTRIES:**

0-7

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated LREF field is populated and the NCI code specifies a P-Bit based map, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLES:**

1							
---	--	--	--	--	--	--	--

0	4	6					
---	---	---	--	--	--	--	--

**NOTE 1:** Single values are typical but multiple P-Bit values may be associated to a single level of service.

4	5	6	7				
---	---	---	---	--	--	--	--

**NOTE 1:** The above example shows the proper format when requesting a range of P-Bit values.

### **38. BDW - Bandwidth**

Identifies the average rate in bits per second of ingress service frames up to which the network delivers service frames and meets the performance objectives defined by the LOS service attribute.

#### **VALID ENTRIES:**

Bandwidth specified at the EVC or LOS levels = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

Bandwidth specified at the UNI level = “UNI”.

**NOTE 1:** Use of “UNI” in this field is contingent upon customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated LOSACT field is “C” or “N”, otherwise optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** When the bandwidth specification is not “UNI”, the last character of this entry is always expressed in kilobits (K), megabits (M) or gigabits (G).

**EXAMPLES:**

1	6	K				
---	---	---	--	--	--	--

1	.	0	8	G		
---	---	---	---	---	--	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

U	N	I				
---	---	---	--	--	--	--

### **39. DSCP – Differentiated Services (DiffServ) Code Point**

Identifies an integer value encoded in the DiffServ field of an Internet Protocol header.

**NOTE 1:** The DSCP is an example of traffic marking whose value corresponds with a preferred Quality of Service as the packet traverses the network.

**NOTE 2:** The DSCP and TOS fields are mutually exclusive as they utilize the same byte position in the Internet Protocol header.

**NOTE 3:** When allowed by provider product definition, DSCP values may be specified in a range whereby any data containing those values will become a member of the same level of service.

#### **VALID ENTRIES:**

**NOTE 1:** When populated for a single value, the first six positions must contain a “0” or a “1”.

**NOTE 2:** When populated for ranging all 12 numeric characters must be populated with a “0” or a “1”.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the associated TOS field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 numeric characters not including pre-printed hyphen.

**EXAMPLE:**

0	0	0	1	0	1	-					
---	---	---	---	---	---	---	--	--	--	--	--

0	0	0	1	0	1	-	0	0	1	0	1	1
---	---	---	---	---	---	---	---	---	---	---	---	---

#### **40. TOS – Type of Service**

Identifies the quality of service desired.

**NOTE 1:** The TOS provides an indication of the abstract parameters which characterize the service choices provided in the network.

**NOTE 2:** The TOS and DSCP fields are mutually exclusive as they utilize the same byte position in the Internet Protocol header.

#### **VALID ENTRIES:**

**NOTE 1:** TOS is an 8 position field but positions 7 and 8 are reserved for future use.

**NOTE 2:** When populated the first six positions must contain a “0” or a “1”.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the associated DSCP field is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:** 0|0|0|0|1|0| | |

**41. CIR-I - Committed Information Rate (Ingress)**

Identifies the average rate (bits per second) up to which service frames are delivered as defined in the provider's service level specification.

**NOTE 1:** CIR is tracked for frame loss by the MEF Ethernet Operations, Administration, and Maintenance (OAM) Protocol, unlike EIR.

**VALID ENTRIES:**

Valid CIR expressed as a numeric value followed by "K", "M" or "G" representing Kilobits, Megabits or Gigabits per second respectively.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the LOSACT is not "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha /numeric characters

**EXAMPLES:** |1|6|K| | | |

|1| . |0|8|G| | |

|1|0| . |8|0|8|M|

**42. CBS-I - Committed Burst Size (Ingress)**

Identifies the Bandwidth Profile parameter that limits the maximum number of bytes available for a burst of Service Frames sent at the UNI/ENNI that will be delivered by the service provider based on the level of service performance.

**NOTE 1:** Level of service performance will be identified in either the SPEC field or the LOS field.

**VALID ENTRIES:**

Maximum Committed Burst Size Value (numeric value expressed in bytes)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the LOSACT field is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLES:**

			1	5	2	2
--	--	--	---	---	---	---

9	9	9	9	9	9	9
---	---	---	---	---	---	---

**43. EIR-I - Excess Information Rate (Ingress)**

Identifies the average rate (bits per second) up to which service frames may be delivered but will not be guaranteed per the provider's service level specification.

**NOTE 1:** EIR-I is not tracked for frame loss by the MEF Ethernet OAM Protocol, unlike CIR.

**VALID ENTRIES:**

Valid EIR expressed as a numeric value followed by "K", "M" or "G" representing Kilobits, Megabits or Gigabits per second respectively.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the LOSACT field is not "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha /numeric characters

**EXAMPLES:**

1	6	K				
---	---	---	--	--	--	--

1	.	0	8	G		
---	---	---	---	---	--	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

**44. EBS-I – Excess Burst Size (Ingress)**

Identifies the Bandwidth Profile parameter that limits the maximum number of bytes available for a burst of Service Frames associated with the EIR-I sent at the UNI/ENNI that will be delivered by the service provider based on the level of service performance.

**NOTE 1:** Level of service performance will be identified in either the SPEC field or the LOS field.

**VALID ENTRIES:**

Maximum Excess Burst Size Value (numeric value expressed in bytes)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated LREF field is populated and the LOSACT field is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLES:**

					1	6
--	--	--	--	--	---	---

		9	9	9	9	9
--	--	---	---	---	---	---

#### **45. CMI-I – Color Mode Identifier (Ingress)**

Identifies when the provider configuration will use the specific customer Class of Service (CoS) markings when applying the Bandwidth Profile CIR/EIR.

**NOTE 1:** MEF color-aware mode indicates the provider is using customer CIR/EIR markings.

**NOTE 2:** MEF color-blind mode indicates the provider ignores customer CIR/EIR markings.

#### **VALID ENTRIES:**

E = Enable color-aware

D = Disable color-aware (change to color-blind mode)

**NOTE 1:** When this field is blank and the ACT field on the ASR Form is “N”, color-blind will be utilized.

**NOTE 2:** When this field is blank and the ACT field on the ASR Form is “C”, the existing value will be retained.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N” or “C”, the associated LREF field is populated and the LOSACT field is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**46. BCF-I – Bandwidth Coupling Flag (Ingress)**

Identifies when color-aware markings for customer marked service frames EIR traffic should use available CIR Bandwidth.

**VALID ENTRIES:**

E = Enabled

D = Disabled

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is “N”, the associated LREF field is populated, and the CMI-I field is “E”.

**NOTE 2:** Optional when the ACT field on the ASR Form is “C”, the associated LREF field is populated, the LOSACT field is not “D” and the CMI-I field is “E” or blank.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**47. REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:** | D | I | S | C | | O | N | E | | E | V | C | | | | | | | |

**48. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:** PG|\_|\_|1|of|\_|2|0|

### 3.4 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Virtual Connection Form fields.

#### EVC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASN	28	Autonomous System Number
ASR NO	4	Access Service Request Number
AUNT	16	Associated UNI/NNI Termination
BCF-I	46	Bandwidth Coupling Flag (Ingress)
BDW	38	Bandwidth
BUM-FD	21	Broadcast, Unicast and Multicast Frame Delivery
CBS-I	42	Committed Burst Size (Ingress)
CCNA	1	Customer Carrier Name Abbreviation
CE-VLAN	32	Customer Edge Virtual Local Area Network
CEV-P	11	CE-VLAN Identification Preservation
CEV-CP	12	CE-VLAN Class of Service Preservation
CIR-I	41	Committed Information Rate (Ingress)
CMI-I	45	Color Mode Identifier (Ingress)
DSCP	39	Differentiated Services (DiffServ) Code Point
EBS-I	44	Excess Burst Size (Ingress)
EIR-I	43	Excess Information Rate (Ingress)
EI	15	NNI Indicator
EVCID	7	Ethernet Virtual Connection Identifier
EVCCR	13	Ethernet Virtual Connection Customer Circuit Reference
EVCMPID	26	EVC Meet Point ID
EVC NUM	5	Ethernet Virtual Connection Reference Number
EVCSP	20	Ethernet Virtual Connection Switch Point
LOS	35	Level of Service Name
LOSACT	34	Level of Service Activity Indicator
LREF	33	Level of Service Reference Number
MSFS	10	Maximum Service Frame Size
NC	6	Network Channel Code
NCI	19	Network Channel Interface Code

## EVC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
NUT	8	Number of UNI Terminations
OTC	27	Other Exchange Company (Terminating) (EVC)
P-BIT	37	Priority Bit
PG_of_	48	Page_of_
PON	2	Purchase Order Number
R/L	23	Root/Leaf
REMARKS	47	Remarks
RPON	18	Related Purchase Order Number
RUID	22	Related UNI Identifier
SPEC	36	Service and Product Enhancement Code
S-VACT	24	Service Virtual Local Area Network Activity
S-VLAN	25	Service Virtual Local Area Network
SVP	9	S-VLAN ID Preservation
TOS	40	Type of Service
UACT	17	User Network Interface (UNI) Activity Indicator
UREF	14	User Network Interface (UNI) Reference Number
VACT	31	Customer Edge Virtual Local Area Network Activity Indicator
VER	3	Version Identification
VPN-ACT	29	Virtual Private Network Identifier Activity
VPN-ID	30	Virtual Private Network Identifier

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### **4. ETHERNET VIRTUAL CONNECTION (EVC) FORM NUMBERED**

(Insert Your Company Logo Here)

## Ethernet Virtual Connection

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO						
EVC NUM	NC		EVCID	VER	ASR NO						
5   1   3	6   1   3		7   1   3	8   1   3	9   1   3						
NUT	SVP	MSFS	CEV-P	CEV-CP							
1   3	1   3	1   3	1   3	1   3	1   3						
EVCCR											
1   3											
UNI Mapping Detail Section											
UREF	E	AUNT	UACT	RPON	NCI	EVCS	SP	BUM-FD			
1   4	1   5	1   6	1   7	1   8	1   9	2   0	2   1				
RUID					R/L	S-VACT	S-VLAN	S-VACT	S-VLAN	S-VACT	S-VLAN
2   2					2   3	2   4	2   5	2   4	2   5	2   4	2   5
EVCMPID					OTC	ASN	VPN-ACT	VPN-ID			
2   6					2   7	2   8	2   9	3   0			
Detailed UNI Mapping						VACT	CE-VLAN	VACT	CE-VLAN	VACT	CE-VLAN
(01-05)	3   1	3   2	1   3   -	1   4	3   1	3   2	1   3   -	1   4	3   2	1   3   -	1   4
(06-10)	3   1	3   2	1   3   -	1   4	3   1	3   2	1   3   -	1   4	3   2	1   3   -	1   4

## **REMARKS**

47

PG OF  
48

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. ETHERNET VIRTUAL CONNECTION (EVC) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

## Ethernet Virtual Connection continued

V50  
03/15

Administrative Section		CCNA [1]	PON [2]	VER [3]	ASR NO [4]			
<b>UNI Mapping Detail Section continued</b>								
UREF [1 4]	LREF [33]	LOSACT [34]	LOS [3 5]	SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
LREF [33]	LOSACT [34]	LOS [3 5]		SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
LREF [33]	LOSACT [34]	LOS [3 5]		SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
LREF [33]	LOSACT [34]	LOS [3 5]		SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
LREF [33]	LOSACT [34]	LOS [3 5]		SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
LREF [33]	LOSACT [34]	LOS [3 5]		SPEC [3 6]	P-BIT [3 7]	BDW [3 8]	DSCP [3 9]	TOS [4 0]
		CIR-I [4 1]	CBS-I [4 2]	EIR-I [4 3]	EBS-I [4 4]	CMH-I [4 5]	BCF-I [4 6]	
PG [4 8]	OF [4 9]							

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. ETHERNET VIRTUAL CONNECTION (EVC) FORM CAMERA READY**

V50  
03/15

(Insert Your Company Logo Here)

## Ethernet Virtual Connection

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO												
<b>Ethernet Virtual Connection Detail</b>																	
EVC NUM	NC	EVCID		NUT	SVP	MSFS	CEV-P	CEV-CP									
EVCCR																	
<b>UNI Mapping Detail Section</b>																	
UREF	EI	AUNT	UACT	RPON	NCI		EVCS		BUM-FD								
					R/L	S-VACT	S-VLAN	S-VACT	S-VLAN								
RUID																	
EVCMPI																	
VACT		CE-VLAN		VACT		CE-VLAN		OTC		ASN		VPN-ACT		VPN-ID			
(01-05)																	
(06-10)																	
<b>REMARKS</b>																	
PG	OF																

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. ETHERNET VIRTUAL CONNECTION (EVC) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here)

## Ethernet Virtual Connection continued

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**ATIS-0404016-0050**

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404017-0050**

**Virtual Concatenation (VCAT) Form  
Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404017-0050

Virtual Concatenation (VCAT) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

VIRTUAL CONCATENATION (VCAT) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. VIRTUAL CONCATENATION (VCAT) FORM DESCRIPTION	2-1
3. VIRTUAL CONCATENATION (VCAT) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-7
3.3 ALPHA/NUMERIC GLOSSARY	3-17
4. VIRTUAL CONCATENATION (VCAT) FORM NUMBERED	4-1
5. VIRTUAL CONCATENATION (VCAT) FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes Virtual Concatenation (VCAT) Form entries. The VCAT Form must always be associated with an ASR which contains administrative and bill detail necessary for the provisioning of the request and a service specific form containing circuit and location information. The field entries contained within the VCAT Form are populated by the customer.

1.2 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.3 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.4 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. VIRTUAL CONCATENATION (VCAT) FORM DESCRIPTION**

2.1 The Virtual Concatenation (VCAT) Form is used when the customer is requesting that more than one channel/timeslot of the transport facility be used to provide the bandwidth requirement associated with the requested service.

2.2 The VCAT Form can be associated with one of the following service specific forms:

- Transport Request
  - Includes Broadband Services
- End User Special Access Request
  - Includes Broadband Services
- Ring Request

2.3 The AFO field on the ASR Form must contain the appropriate entry for designating the inclusion or submission of the VCAT Form.

2.4 The VCAT Form can be associated with the NAI Form when used in conjunction with one of the service specific forms listed in Section 2.2.

2.5 The VCAT and ACI Forms must be used together when the quantity of circuits being ordered is greater than one (1) and the NC code specifies a request for virtual concatenation.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. VIRTUAL CONCATENATION (VCAT) FORM ENTRIES**

The VCAT Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 and 3.2. Section 3.3 contains an alphabetic listing of the VCAT Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** U|T|C

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** The PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This ASR NO field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO field is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

**5. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |1|of|1|3|

### **3.2 CIRCUIT DETAIL SECTION**

#### **6. REF NUM – Reference Number**

Identifies the first circuit or segment as a unique number and each additional circuit or circuit segment as a unique number.

**NOTE 1:** When the quantity is equal to one (1) and the VCAT Form is utilized, the REF NUM value will be “0001” and is associated with the service specific form.

**NOTE 2:** The REF NUM shown on the ACI/ARI Form must match the REF NUM on this form for those circuits where the customer is providing assignment of facilities and/or equipment.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|2|3|

## 7. **CFA-CTS – Connecting Facility Assignment Channel Time Slot**

Identifies the channel/time slots of the CFA associated with the specified REF NUM that are to be virtually concatenated.

### **VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the CFA field on the service specific form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the CFA-CTS fields is required when the associated CFA field on the Transport, Ring, ACI or ARI Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the service specific or ARI Form specifies virtual concatenation.

**NOTE 2:** An entry in at least one of the CFA-CTS fields is required when the associated CFA (PRILOC) field on the EUSA Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the EUSA Form specifies virtual concatenation.

**NOTE 3:** Otherwise prohibited.

**7. CFA-CTS - Connecting Facility Assignment Channel Time Slot Type (continued)**

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

**8. SCFA-CTS - Secondary Connecting Facility Assignment Channel Time Slot**

Identifies channel/time slots of the SCFA associated with the specified REF NUM that are to be virtually concatenated.

**VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the SCFA field on the service specific form or in the CFA (SECLOC) field on the EUSA Form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the SCFA-CTS fields is required when the associated SCFA field on the Transport or ACI Form is populated, the ACT field on the ASR Form is "C" or "N" and the NC Code on the service specific or ARI Form specifies virtual concatenation.

**NOTE 2:** An entry in at least one of the SCFA-CTS fields is required when the associated CFA (SECLOC) field on the EUSA Form is populated, the ACT field on the ASR Form is "C" or "N" and the NC Code on the EUSA Form specifies virtual concatenation.

**NOTE 3:** Otherwise prohibited.

**8. SCFA-CTS** - Secondary Connecting Facility Assignment Channel  
Time Slot Type (continued)

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

**9. ICFA1-CTS – Intermediate Connecting Facility Assignment One Channel Time Slot**

Identifies the channel/time slots of the ICFA1 associated with the specified REF NUM that are to be virtually concatenated.

**VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the ICFA1 field on the NAI Form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the ICFA1-CTS fields is required when the associated ICFA1 field on the NAI Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the service specific or ARI Form specifies virtual concatenation, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

**10. ICFA2-CTS – Intermediate Connecting Facility Assignment Two Channel Time Slot**

Identifies the channel/time slots of the ICFA2 associated with the specified REF NUM that are to be virtually concatenated.

**VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the ICFA2 field on the NAI Form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the ICFA2-CTS fields is required when the associated ICFA2 field on the NAI Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the service specific or ARI Form specifies virtual concatenation, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

**11. ICFA3-CTS – Intermediate Connecting Facility Assignment Three Channel Time Slot**

Identifies the channel/time slots of the ICFA3 associated with the specified REF NUM that are to be virtually concatenated.

**VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the ICFA3 field on the NAI Form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the ICFA3-CTS fields is required when the associated ICFA3 field on the NAI Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the service specific or ARI Form specifies virtual concatenation, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

**12. ICFA4-CTS – Intermediate Connecting Facility Assignment Four Channel Time Slot**

Identifies the channel/time slots of the ICFA4 associated with the specified REF NUM that are to be virtually concatenated.

**VALID ENTRIES:**

1-99999 (Valid channel or time slot assignment)

**NOTE 1:** Valid entries are numeric and are to be left justified.

**NOTE 2:** Up to forty-eight (48) channels/time slots may be assigned.

**NOTE 3:** The entry in the first occurrence of this field must match the channel/time slot assignment as designated in the ICFA4 field on the NAI Form.

**USAGE:** This field is conditional.

**NOTE 1:** An entry in at least one of the ICFA4-CTS fields is required when the associated ICFA4 field on the NAI Form is populated, the ACT field on the ASR Form is “C” or “N” and the NC Code on the service specific or ARI Form specifies virtual concatenation, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

1	3			
---	---	--	--	--

9	3	1	6	5
---	---	---	---	---

### **13. DIR - Directionality**

Identifies the direction of the circuit's path for the specified channel/time slot.

#### **VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated CFA-CTS, SCFA-CTS, ICFA1-CTS, ICFA2-CTS, ICFA3-CTS or ICFA4-CTS field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

### **3.3 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the VIRTUAL CONCATENATION (VCAT) Form fields.

VCAT FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
DIR	13	Directionality
CFA-CTS	7	Connecting Facility Assignment Channel Time Slot
ICFA1-CTS	9	Intermediate Connecting Facility Assignment One Channel Time Slot
ICFA2-CTS	10	Intermediate Connecting Facility Assignment Two Channel Time Slot
ICFA3-CTS	11	Intermediate Connecting Facility Assignment Three Channel Time Slot
ICFA4-CTS	12	Intermediate Connecting Facility Assignment Four Channel Time Slot
PG_of_	5	Page_of_
PON	2	Purchase Order Number
REF NUM	6	Reference Number
SCFA-CTS	8	Secondary Connecting Facility Assignment Channel Time Slot
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. VIRTUAL CONCATENATION (VCAT) FORM NUMBERED

(Insert Your Company Logo Here)

### Virtual Concatenation Form

V50  
03/15

#### Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	

#### Circuit Detail

REFNUM

6

(01-08)	CFA-CTS	DIR														
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
	SCFA-CTS	DIR														
(01-08)	8	13	8	13	8	13	8	13	8	13	8	13	8	13	8	13
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
	ICFA1-CTS	DIR														
(01-08)	9	13	9	13	9	13	9	13	9	13	9	13	9	13	9	13
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. VIRTUAL CONCATENATION (VCAT) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

**Virtual Concatenation Form (continued)**

V50  
03/15

**Administrative Section**

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	6

**Circuit Detail**

REFNUM	ICFA2-CTS	DIR														
(01-08)	1 0	3	1 0	3	1 0	3	1 0	3	1 0	3	1 0	3	1 0	3	1 0	3
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
REFNUM	ICFA3-CTS	DIR														
(01-08)	1 1	3	1 1	3	1 1	3	1 1	3	1 1	3	1 1	3	1 1	3	1 1	3
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
REFNUM	ICFA4-CTS	DIR														
(01-08)	1 2	3	1 2	3	1 2	3	1 2	3	1 2	3	1 2	3	1 2	3	1 2	3
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. VIRTUAL CONCATENATION (VCAT) FORM CAMERA READY

V50  
03/15

(Insert Your Company Logo Here)

### Virtual Concatenation Form

#### Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

#### Circuit Detail

REFNUM	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
(01-08)	CFA-CTS	DIR														
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(01-08)	SCFA-CTS	DIR														
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(01-08)	ICFA1-CTS	DIR														
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. VIRTUAL CONCATENATION (VCAT) FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

V50  
03/15

### Virtual Concatenation Form (continued)

#### Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

#### Circuit Detail

REFNUM	ICFA2-CTS	DIR														
(01-08)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
REFNUM	ICFA3-CTS	DIR														
(01-08)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
REFNUM	ICFA4-CTS	DIR														
(01-08)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(09-16)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(17-24)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(25-32)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(33-40)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(41-48)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404018-0050**

**Multiple Exchange Company (Multi EC)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404018-0050

Multiple Exchange Company (Multi EC) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

## MULTI-EC FORM PREPARATION GUIDE

### TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. MULTI-EC FORM DESCRIPTION	2-1
3. MULTI-EXCHANGE COMPANY (MULTI-EC) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 ACCESS SERVICE COORDINATION COMPANY DETAIL SECTION	3-6
3.3 PROMOTIONAL CONTRACT SECTION	3-11
3.4 OTHER EXCHANGE COMPANY DETAIL SECTION	3-15
3.5 ALPHA/NUMERIC CROSS REFERENCE GLOSSARY	3-22
4. MULTI-EC FORM NUMBERED	4-1
5. MULTI-EC FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the MULTI-EC Form entries which are used to order access services that traverse the territory of more than one provider.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. MULTI-EC FORM DESCRIPTION**

2.1 This MULTI-EC Form must be used whenever an access service passes through more than one provider's territory. This form identifies the additional administrative and billing information for each provider. The Access Service Coordination Exchange Company (ASC-EC) details must always be populated.

2.2 SUPPLEMENTS - A supplement will be used to correct or change Multi-EC Form information on a pending request. A SUP 3 or 4 may be used based on the status of the ASC-EC FOC.

2.3 ADDING OR REMOVING OEC - A SUP 3 or 4 may be used to add or remove an OEC. Once an OEC has been removed (OECACT is 'K') the same OEC cannot be added to the request for the life of the ASR.

2.4 ADDING OR REMOVING MULTI-EC FORM - A SUP 3 or 4 may be used to add the Multi-EC Form to a pending request or cancel (OECACT is 'K') all OECs. If all OECs are canceled on the Multi-EC Form, subsequent versions of the ASR will be issued without the Multi-EC Form or ASC-EC entry.

2.5 ASC-EC FIELD - The ASC-EC field cannot be changed on a pending request. The request must be canceled (SUP 1) and reissued with the new ASC-EC. An ASC-EC can be added to a pending request (SUP 3 or 4) but must match the ICSC code of the provider to which the original request was sent. If the ASC-EC does not match, the request must be canceled (SUP 1) and reissued with the correct information.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. MULTI-EXCHANGE COMPANY (MULTI-EC) FORM ENTRIES**

The MULTI-EC form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definition in Sections 3.1 – 3.3. Section 3.4 contains an alphabetic listing of the MULTI-EC Form fields cross reference to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code  
CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies practice BR 751-100-112.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** [U|T|C]

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:**

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** The ASR NO field entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when the PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

### **3.2 ACCESS SERVICE COORDINATION COMPANY DETAIL SECTION**

#### **5. ICSC - Interexchange Customer Service Center (ASC-EC)**

Identifies the ICSC that is the control company.

**NOTE 1:** The ICSC code appearing in this field will represent the Access Service Coordination - Exchange Company (ASC-EC).

**NOTE 2:** The first two characters identify the provider. The third and fourth character positions are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC codes will be supplied and periodically updated by the providers to the customers. The providers will also supply guidelines on choosing the appropriate ICSC.

**NOTE 3:** The format and structure of this field is defined by Telcordia in BR-751-100-801 Interexchange Customer Service Center/Service Center (ICSC/SC).

#### **VALID ENTRIES:**

Valid ICSC Code

**NOTE 1:** This field must be identical to the ASC-EC entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |P|T|0|2|

**6. BAN - Billing Account Number (ASC-EC)**

Identifies the billing account to which the recurring and non-recurring charges for this request will be billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customer.

**NOTE 2:** The BAN entry appearing on this form represents the ASC-EC involved in providing this access service.

**VALID ENTRIES:**

Valid Billing Account Number

E = Existing

N = New Billing Account Number Requested

NB = Multi-EC Nonbilling Access Provider

**NOTE 1:** If the customer wishes to have a new billing account number for this order, enter "N" in this field. The new billing account number will appear on the bill and the Confirmation Notice Form (CN).

**NOTE 2:** "NB" represents a nonbilling provider that is involved in providing this access service.

**NOTE 3:** If an existing service BAN is invalid, the provider will determine the appropriate BAN and return it on the Confirmation Notice Form (CN).

**NOTE 4:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |9|8|1| - |3|5|8|7|

**7. HBAN - High Capacity Channel Billing Account Number  
(ASC-EC)**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customers.

**NOTE 2:** The HBAN entries appearing on this form represent the ASC-EC involved in providing this access service.

**VALID ENTRIES:**

Valid Billing Account Number  
E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the HBAN field on the Transport, FGA or Trunking Form is populated, otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** 2|0|1| M|8|1| - |3|5|8|2|

**8. ASR NO - Access Service Request Number (ASC-EC)**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** The ASR NO field entry represents the ASC-EC involved in providing this access service.

**VALID ENTRIES:**

Valid ASR NO

**NOTE 1:** When the provider is the ASC-EC, this field must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when the PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

**9. ASG - Access Service Group (ASC-EC)**

Identifies the access service group assigned to a particular circuit or group of circuits. This number appears on the Customer Service Record (the billing service charge details) that is forwarded to the customer.

**NOTE 1:** The ASG field entry appearing on this form represents the ASC-EC involved in providing this access service.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

### **3.3 PROMOTIONAL CONTRACT SECTION**

The Promotional Contract Section provides entries for describing the information relative to the OEC special promotion offerings. Three is the maximum number of OEC-PNUMs allowed on any one service request.

#### **10. ICSC - Interexchange Customer Service Center (OEC-PNUM)**

Identifies the ICSC that will receive this request.

**NOTE 1:** The ICSC codes appearing in this section represents the Other Exchange Company(s) (OECs) who is offering a special promotion contract.

**NOTE 2:** The ICSC code must match one of the OEC ICSC codes in the Other Exchange Company Detail Section.

**NOTE 3:** The first two characters identify the provider. The third and fourth character positions are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC codes will be supplied and periodically updated by the providers to the customers. The providers will also supply guidelines on choosing the appropriate ICSC.

**NOTE 4:** The format and structure of this field is defined by Telcordia in BR-751-100-801 Interexchange Customer Service Center/Service Center (ICSC/SC).

#### **VALID ENTRIES:**

Valid ICSC Code

**10. ICSC** - Interexchange Customer Service Center (OEC-PNUM)  
(continued)

**USAGE:** This field is conditional.

**NOTE 1:** Required when the customer accepts the OEC's offer for a special promotion, otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |G|T|9|9|

**11. OECPPNUM – Other Exchange Company Promotion Number**

Identifies the OEC's contract tariff option for a pricing promotion plan.

**NOTE 1:** The Other Exchange Company Promotion Number will be assigned by the OEC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the associated ICSC code is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters

**EXAMPLES:** V|Z|A|H|1|2| | | | | | | | | | | | | | |

**12. OECPSD - Other Exchange Company Promotion Subscription Date**

Identifies the date the customer requested or contracted the pricing promotion from the OEC.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the associated OECNUM field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters (including 2 hyphens)

**EXAMPLES:** |0|6|-|0|7|-|2|0|0|6|

|2|0|0|6|-|0|6|-|0|7|

### 3.4 OTHER EXCHANGE COMPANY DETAIL SECTION

#### 13. ICSC - Interexchange Customer Service Center (OEC)

Identifies the ICSC that will receive this request.

**NOTE 1:** The ICSC codes appearing in this field represent the Other Exchange Company(s) (OECs) when the ASC-EC field is populated on the ASR form.

**NOTE 2:** The first two characters identify the provider. The third and fourth character positions are a unique number within the region identifying the specific ICSC. The allowable range is 00 to 99. The ICSC codes will be supplied and periodically updated by the providers to the customers. The providers will also supply guidelines on choosing the appropriate ICSC.

**NOTE 3:** The format and structure of this field is defined by Telcordia in BR-751-100-801 Interexchange Customer Service Center/Service Center (ICSC/SC).

#### VALID ENTRIES:

Valid ICSC Code

**NOTE 1:** This field cannot be identical to the ASC-EC entry on the ASR Form.

**USAGE:** This field is required for all OECs involved.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLE:** |G|T|9|9|

#### **14. OECACT - Other Exchange Company Activity**

Identifies the cancellation of a specific Access Provider ICSC involved in provisioning the access service requested by the customer.

##### **VALID ENTRIES:**

K = Cancellation

**USAGE:** This field is conditional.

**NOTE 1:** Required on all requests that remove an OEC ICSC when the ASC-EC field is populated on the ASR Form, otherwise prohibited.

**NOTE 2:** Once an OECACT of "K" is used, the OEC that is canceled cannot be added to the Multi-EC request for the life of the ASR.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**15. BAN - Billing Account Number (OEC)**

Identifies the billing account to which the recurring and non-recurring charges for this request will be billed.

**NOTE 1:** The precise format will be defined by each provider in accordance with their individual billing procedures and provided to the customer.

**NOTE 2:** The BAN entries appearing on this form represent the OEC(s) involved in providing this access service.

**VALID ENTRIES:**

Valid Billing Account Number

E = Existing

N = New Billing Account Number Requested

NB = Multi-EC Nonbilling Access Provider

**NOTE 1:** If the customer wishes to have a new billing account number for this order, enter "N" in this field. The new billing account number will appear on the bill and the Confirmation Form (CN).

**NOTE 2:** "NB" represents a nonbilling provider that is involved in providing this access service.

**NOTE 3:** If an existing service BAN is invalid, the provider will determine the appropriate BAN and return it on the Confirmation Notice Form (CN).

**NOTE 4:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |9|8|1| - |3|5|8|7|

**16. HBAN - High Capacity Channel Billing Account Number (OEC)**

Identifies the billing account to which the recurring and non-recurring charges for the original High Capacity channel are billed.

**NOTE 1:** The precise format will be defined by each provider.

**NOTE 2:** The HBAN entries appearing on this form represent the OEC (s) involved in providing this access service.

**VALID ENTRIES:**

Valid Billing Account Number  
E = Existing

**NOTE 1:** If an existing HBAN is invalid, the provider will determine the appropriate HBAN and return it on the confirmation notice.

**NOTE 2:** Use of valid entry of "E" is based on customer/provider negotiations.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |2|0|1| |M|8|1| - |3|5|8|2|

#### **17. OECVTA - Other Exchange Company Variable Term Agreement**

Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered by the non-controlling OEC.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLES:** | 3 | 6 | | | | | | | | | | | | | |

|V|T|P|P|P| | | | | | | | | | | | | |

|0|8|2|0|8|9| | | | | | | | | | |

3	6	1	0	9	1	4	8	9	B	L	K	H	0	0	0	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**18. ASG - Access Service Group (OEC)**

Identifies the access service group assigned to a particular circuit or group of circuits. This number appears on the Customer Service Record (the billing service charge details) that is forwarded to the customer.

**NOTE 1:** The ASG field entries appearing on this form represent the OEC(s) involved in providing this access service.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**19. PG\_of\_-Page\_of\_-**

Identifies the page number and total number of pages contained in this transaction.

**NOTE 1:** The Multi-EC Form provides for the identification of one (1) ASC-EC and up to twenty (20) OECs.

**NOTE 2:** Multiple Multi-EC Forms must be submitted to identify more than twenty (20) OECs.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** PG 1of2

### **3.5 ALPHA/NUMERIC CROSS REFERENCE GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the MULTI-EC Form fields.

#### **MULTI-EC FORM**

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASG	9	Access Service Group (ASC-EC)
ASG	18	Access Service Group (OEC)
ASR NO	4	Access Service Request Number
ASR NO	8	Access Service Request Number (ASC-EC)
BAN	6	Billing Account Number (ASC-EC)
BAN	15	Billing Account Number (OEC)
CCNA	1	Customer Carrier Name Abbreviation
HBAN	7	High Capacity Channel Billing Account Number (ASC-EC)
HBAN	16	High Capacity Channel Billing Account Number (OEC)
ICSC	5	Interexchange Customer Service Center (ASC-EC)
ICSC	13	Interexchange Customer Service Center (OEC)
ICSC	10	Interexchange Customer Service Center (OEC-PNUM)
OECACT	14	Other Exchange Company Activity
OECNUM	11	Other Exchange Company Promotion Number
OECPSD	12	Other Exchange Company Promotion Subscription Date
OECVTA	17	Other Exchange Company Variable Term Agreement
PG_OF_	19	Page_of_
PON	2	Purchase Order Number
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. MULTI-EC FORM NUMBERED

(Insert Your Company Logo Here)

## Multi-EC

V50  
03/15

### Administrative Section

CCNA	PON	VER	ASR NO
1	2	3	4

### Access Service Coordination Company Detail Section

ICSC	BAN	HBAN	ASR NO	ASG
1   5	6	7	8	9

### Promotional Contract Section

ICSC	OECNUM	OECPSD
1   1   0	1   1	1   2
2		
3		

### Other Exchange Company Detail Section

ICSC	OECACT	BAN	HBAN	OECVTA	ASG
1   1   3	1   4	1   5	1   6	1   7	1   8
2					
3					
4					
5					
6					
7					
8					
9					

PG OF  
19 |

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. MULTI-EC FORM CAMERA READY

V50  
03/15

(Insert Your Company Logo Here)

**Multi-EC**

### Administrative Section

CCNA	PON	VER	ASR NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### Access Service Coordination Company Detail Section

1	ICSC	BAN	HBAN	ASR NO	ASG
1	<input type="text"/>				

### Promotional Contract Section

1	ICSC	OECNUM	OECPSD
1	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>

### Other Exchange Company Detail Section

1	ICSC	OECACT	BAN	HBAN	OECVTA	ASG
1	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

PG OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS, 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404019-0050**

**Translation Questionnaire (TQ) Form  
Preparation Guide**

**Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404019-0050  
Translation Questionnaire (TQ) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

TRANSLATION QUESTIONNAIRE FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. TRANSLATION QUESTIONNAIRE DESCRIPTION	2-1
3. TRANSLATION QUESTIONNAIRE (TQ) FORM ENTRIES	3-6
3.1 ADMINISTRATIVE SECTION	3-7
3.2 COMMON SECTION	3-13
3.3 TESTING SECTION	3-47
3.4 TRUNKING SECTION	3-53
3.5 SAC NXX CODE ACTIVITY SECTION	3-75
3.6 INTERCONNECTION/STP TRANSLATION ROUTING SECTION	3-87
3.7 ALPHA/NUMERIC GLOSSARY	3-97
4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED	4-1
5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY	5-2

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 1. GENERAL

- 1.1 The Translation Questionnaire (TQ) Form is used by the customer when Feature Group B, Feature Group D, Local Trunking or Service Access Codes (SAC NXX) require translation/routing for New, Change or Disconnects and for activation or deactivation of Carrier Identification Codes (CICs). The TQ Form can also be used for STP translation changes for CCS Links.
- 1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.
- 1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.
- 1.4 Options described in this practice may not be applicable to individual provider tariffs/contracts; therefore, use of either the field or valid entries within the field is based on provider tariffs/contracts/practices.
- 1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. TRANSLATION QUESTIONNAIRE DESCRIPTION**

2.1 The Translation Questionnaire (TQ) should be submitted when Local, FGB or FGD translations/routing are required for the following activities:

- New
- Change
- Disconnects
- Activation or deactivation of CICs, SAC NXX codes or NPA/NXX codes

The TQ (Interconnection/STP Translation Routing section) should be submitted for CCS Link STP translation changes.

2.2 MULTIPLE ASRs: If the TQ is associated with two or more requests, the TQ will be associated to one of the ASRs (referred to as the "Master ASR") as an additional form. The TQ Form will carry the purchase order number of all associated ASRs in the APON fields. The ASRs which do not have the TQ attached should carry the purchase order number of the Master ASR in the RPON field to complete the association of all involved ASRs. All associated ASRs must carry the same Desired Due Date. If the Master ASR is canceled see paragraph 2.5 following.

2.3 The TQ Form must always be accompanied by an ASR Form. In addition to the ADMINISTRATIVE and COMMON sections of the TQ, the TQ Form has four additional sections that are used in the translation process:

- Testing
- Trunk Translations/Routing
- SAC Code
- Interconnection/STP Translation Routing

The Testing Section may not be sent separately. It must be accompanied by the Administrative, Common, Trunk Translation/Routing and/or Interconnection/STP Translation Routing Sections.

The Trunk Translation/Routing section and the SAC Code section may be sent together or each may be sent separately.

The SAC Code section and Interconnection/STP Translation Routing section will not be sent together.

Trunk Translation/Routing section and Interconnection/STP Translation Routing section may be sent together or each may be sent separately. It should be noted that when the Interconnection/STP Translation Routing section is used for STP translations, the Trunk Translation Routing and Testing sections are not applicable.

**2.4 ASR FORM REQUIREMENTS:** The basic ASR Form requirements for accommodating a TQ are:

- TQ field must contain the appropriate entry for designating the inclusion or submission of a TQ.
- REQTYP field must contain “M” or “L” in the first position even if a Trunking Form is not accompanying the request.
  - When the first position of the REQTYP field is “L” then the ACT field must be “C”.

**2.5 SUPPLEMENTS:** A supplement will be used to correct or change TQ information on a pending request. A supplement may be used to add or remove a TQ Form from a pending ASR, although this action may impact critical dates previously provided to the customer. If the Master ASR is canceled a new TQ must be issued and a new Master must be assigned.

All related ASRs will be supplemented to reflect changes e.g., NOR and RPON fields. If an ASR related to the Master is canceled, the Master ASR and all remaining ASRs will be supplemented and the TQ will be revised.

2.6 SAC NXX CODE ACTIVITY: A separate TQ will be issued for:

- Activation of NXX codes per CIC
- Deactivation of NXX codes per CIC

These activities may be combined with other routing/translations activities.

2.7 FEATURE GROUP D or LOCAL TRUNKING: A TQ is prepared for a single CIC and is used to specify the routing/translation requirements for traffic to and from an end office, whether routed directly or via an access tandem. Up to four FGD or Local trunk groups may be listed on a single TQ if the trunk groups are used together to provide Service Class Routing and/or Alternate Routing and work to service the same end office and/or access tandem serving area.

2.8 FEATURE GROUP B: For FGB service, a TQ is prepared for up to two trunk groups working together to provide Alternate Routing and servicing the same end office and/or access tandem serving area.

2.9 STP Translation Changes: For STP translation changes a TQ is prepared to provide the NPA/NXXs to be used by the STP to route the call to the correct SCP database.

2.10 ADMINISTRATIVE SECTION: The Administrative Section of the TQ must be completed for all requests.

2.11 COMMON SECTION: The Common Section of the TQ must be completed for all trunk translation routing requests. The Common Section is prohibited for STP translation changes.

Except when the TG ACT is “E”, a positive entry in a Common Section field indicates a requirement or a change. When TG ACT is “E”, TQ must contain another TG ACT entry other than “E”. A blank field in the Common Section indicates no requirement or no change.

**2.12 TESTING SECTION:** The Testing Section is used to provide the testing telephone numbers and the corresponding responses when the customer is requesting call-through testing. The TTEST TN and TTEST RESP fields are provided to support FG B-D trunking and local service. The ATTEST TN and ATTEST RESP fields are provided to support FG B-D trunking service only when establishing new trunk groups.

When additional testing is deemed necessary by the customer on existing trunk groups, (e.g. for CIC redirects, equipment changes etc.) all the testing and associated response fields may be utilized to communicate the call through test number for FG B-D and local customers. This type of request would be submitted via a change activity request. The Testing Section may not be sent separately. It must be accompanied by the Administrative, Common, Trunk Translation/Routing and/or Interconnection/STP Translation Routing Sections.

**2.13 TRUNKING SECTION:** The trunking section of the TQ is completed on all trunk routing/translation requests and is used in addition to the Administrative and Common sections for FGD and local service only. The Trunking Section is prohibited for STP translation changes.

When TQ is used to show end office direct routing, the TQ applies to the referenced end office only. Additional TQ(s) may be submitted to show the first route choice for additional end office(s).

**2.14 SAC NXX CODE ACTIVITY SECTION:** The SAC NXX Code Activity Section is completed only for requests for activation or deactivation of Service Access Code (SAC) NXX codes. The Common Section and/or Trunking Section of the TQ are prohibited when submitting a TQ for code activations and/or deactivations only. When a TQ is submitted for SAC NXX code activations, the ASR Form will accompany the TQ; a Trunking Form may not be required.

This section of the TQ Form can accommodate multiple pages where each page can support the activation or deactivation of a specific 5YY and/or 9YY SAC NXXs as defined by the North American Numbering Plan Administrator (NANPA). There may be up to a maximum of 112 NXXs per SAC.

The SAC NXX Code Activity Section is not applicable for local and/or wireless service.

**2.15 INTERCONNECTION/STP TRANSLATION ROUTING SECTION:** The Interconnection/STP Translation Routing Section is completed for requests for activation or deactivation of NPA/NXX codes or for STP translation changes. The Common Section and/or Trunking Section of the TQ is prohibited when submitting a TQ for NPA/NXX activations and/or deactivations only. When a TQ is submitted for NPA/NXX activations, the TQ will be accompanied by the ASR Form; a Trunking Form may not be required. When a TQ is submitted for STP translation changes, the TQ will be accompanied by the ASR Form and the Trunking Form.

**2.16 INTERCONNECTION/STP TRANSLATION ROUTING SECTION:** The Interconnection/STP Translation Routing Section is completed for requests for activation or deactivation of NPA/NXX codes or for STP translation changes. The Common Section and/or Trunking Section of the TQ is prohibited when submitting a TQ for NPA/NXX activations and/or deactivations only. When a TQ is submitted for NPA/NXX activations, the TQ will be accompanied by the ASR Form; a Trunking Form may not be required. When a TQ is submitted for STP translation changes, the TQ will be accompanied by the ASR Form and the Trunking Form.

### **3. TRANSLATION QUESTIONNAIRE (TQ) FORM ENTRIES**

The TQ Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 – 3.6. Section 3.7 contains an alphabetic listing of the fields cross referenced to the TQ Form field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice Form (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C|

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** The Purchase Order Number may be reused after two years from the due date of the original request.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer's version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service. Supplements or corrections should contain the ASR number provided to the customer on the confirmation of the original request. If a customer uses a unique PON number, the ASR NO field is not required.

**USAGE:** This field is conditional.

**NOTE 1:** If a unique PON is not utilized, the ASR NO field is required on all supplements. If the provider mechanically generates or manually assigns this ASR NO then the initial request will be populated by the ICSC. If pre-assigned the customer will provide. On all Supplements the customer will populate this field if the PON is not unique.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

**5. TECH CON – Customer Technical Contact (Translation)**

Identifies the employee or office of the customer or agent that should be contacted on technical matters regarding this TQ.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is “B”, “U”, “D”, “L”, “W”, “T”, “M” or “X”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|O|H|N| J| S|M| I|T|H| | |

**6. TEL NO - Technical Contact Telephone Number (Translation)**

Identifies the telephone number of the customer's technical contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TECH CON (Translation) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 7|0|3 - 5|5|5 - 1|4|8|4 - 2|2|6|4

### **3.2 COMMON SECTION**

COMMON SECTION MATRIX - The Common Section Matrix is used for trunking services. FGB services allow the use of up to two lines (REF A and B); FGD or local services allow the use of up to four lines (REF A through D).

Each line of information on the matrix represents the translation requirements for the trunk group specified in the TSC field.

**7. REF - Reference**

Identifies the trunk group within the Common Section Matrix.

**USAGE:** This field is preprinted on the form.

**NOTE 1:** FGD or local services may use up to four REF lines;  
FGB services may use up to two REF lines.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

REF
A
B
C
D

## 8. **TG ACT** - Trunk Group Activity

Identifies the translation activity taking place for each trunk group.

### **VALID ENTRIES:**

- C = Trunking Section and Common Section Changes
- D = Disconnect Trunk Group
- E = Existing/Informational
- F = Common Section Change Only
- K = Cancel Pending Activity
- M = Interconnection/STP Translation Routing, Trunking and Common Sections
- N = New Trunk Group
- R = Trunking Section Change Only
- Z = OZZ/CKTC Requirements

**NOTE 1:** Valid entry of "K" is prohibited on the initial submission of the TQ.

**NOTE 2:** Valid entry of "K" in all occurrences of the TG ACT and SAC ACT fields is prohibited when the second position of the TQ field on the ASR Form is "N" or "X".

**NOTE 3:** An entry of "E" identifies the existing network beyond the requested activity and must be associated with at least one other TG ACT entry that is not "E".

**NOTE 4:** Ref A can never equal "Z".

**USAGE:** This field is conditional.

**8. TG ACT - Trunk Group Activity (continued)**

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "B", "U", "D", "L", "W", "T", "M" or "X", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

REF	TGACT
A	C
B	N
C	
D	

## 9. **TGTYP** - Trunk Group Type

Identifies the traffic class of the trunk group.

**NOTE 1:** Traffic class indicates engineering parameters.

### **VALID ENTRIES:**

- A = Primary High Usage Direct End Office
- B = Primary High Usage Tandem
- C = Intermediate High Usage Direct End Office
- D = Intermediate High Usage Tandem
- E = Direct Final End Office
- F = Direct Final Tandem
- G = Alternate Final Tandem
- H = Alternate Final End Office

**NOTE 1:** Valid entries of "A", "B", "C" or "D" requires an entry in the ALT REF and FACT (ALT REF) fields.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TG ACT field is "N", "C", "D", "R", "F" or "K".

**NOTE 2:** Optional when the TG ACT field is "M".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

TGTYP
A
B
G

## 10. TSC – Two Six Code

Identifies a code assigned to a trunk group.

**NOTE 1:** The code set is unique to each established trunk group and is provided on the firm order confirmation notice.

**NOTE 2:** There is a limit of one (1) Two Six Code (TSC) per Translation Questionnaire when the TG ACT field is “Z”.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TG ACT field is “R”, “F”, “C”, “E”, “D” or “M”.

**NOTE 2:** Prohibited when the TG ACT field is not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|Q|2|3|4|5|6|7|

**11. APON** - Associated Purchase Order Number

Identifies the PON of the ASR associated with this trunk group.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the Translation Questionnaire is associated with multiple ASRs.

**NOTE 2:** Prohibited when the TG ACT field is “E”, “Z” or not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:**    | 8 | 2 | 4 | Z | 9 |    |    |    |    |    |    |    |

## **12. DIR - Directionality**

Identifies the directionality of the trunk group.

### **VALID ENTRIES:**

1O = One-way Originating  
1T = One-way Terminating  
2O = Two-way Originating  
2T = Two-way Terminating  
2W = Two-way

**NOTE 1:** Use of “2O” and “2T” is based on provider tariffs/contracts/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TG ACT field is “N”.

**NOTE 2:** Prohibited when the TG ACT field is “E” or “Z”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** 1|O

### **13. ANI - Automatic Number Identification**

Identifies a request for installation or removal of the automatic number identification feature and/or flexible automatic number identification feature.

**NOTE 1:** The automatic number identification feature is referred to as Charge Number in a CCS environment.

**NOTE 2:** Flex ANI is dependent upon ANI capabilities being provided.

#### **VALID ENTRIES:**

B = Install ANI and Flex ANI  
F = Install Flex ANI (where ANI already exists)  
R = Remove Flex ANI  
S = Remove all ANI  
X = ANI Requirements reflected on EOD Form  
Y = Install ANI

**NOTE 1:** Valid entries "B", "F", "S", "Y" and "R" apply to Direct or all End Offices subtending the tandem.

**NOTE 2:** A valid entry of "X" requires the ANI options to be identified per affected End Office on the EOD Form.

**NOTE 3:** When the DIR field is "1T" or "2T", "S" is the only valid entry.

**USAGE:** This field is conditional.

**13. ANI - Automatic Number Identification (continued)**

**NOTE 1:** Optional when the first position of the TQ field on the ASR Form is “B” or “U”, the TGTYP field is “A”, “C”, “E” or “H” and the DIR field is not “1T” or “2T”.

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is “D” or “T” and the DIR field is not “1T” or “2T”.

**NOTE 3:** Optional when the first position of the TQ field on the ASR Form is “B” or “U”, the TGTYP field is “A”, “C”, “E” or “H”, the TG ACT field is “C” or “F” and the DIR field is “1T” or “2T”.

**NOTE 4:** Optional when the first position of the TQ field on the ASR Form is “D” or “T”, the DIR field is “1T” or “2T” and the TG ACT field is “C” or “F”.

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **14. DA ACC - Directory Assistance Access**

Identifies the requirement for terminating traffic to access directory assistance.

##### **VALID ENTRIES:**

R = Remove DA access from this trunk group  
Y = Add DA access to this trunk group

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the CC field on the ASR Form is blank and the DIR field is “1T”, “2T” or “2W” and the TGTYP field is “B”, “D”, “F” or “G”.

**NOTE 2:** Optional when the CC field on the ASR Form is blank and the DIR field is “1O” or “2O”, the TG ACT is “C”, “F” or “K” and the TGTYP field is “B”, “D”, “F” or “G”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 15. **TK SEQ** - Trunk Group Hunt Sequence

Identifies the trunk group hunt sequence from the customer to the provider.

**NOTE 1:** The provider will choose the method that best opposes the identified trunk sequence. For example: if the customer identifies a hunt sequence of counter clockwise the provider chooses the hunt sequence of clockwise.

### **VALID ENTRIES:**

CC = Counter Clockwise  
CL = Clockwise  
HL = High to Low – (Descending)  
LH = Low to High – (Ascending)  
LI = Least Idle  
MI = Most Idle

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TG ACT field is “N” and the DIR field is “2W”, “2O” or “2T”.

**NOTE 2:** Prohibited when the TG ACT field is “E” or “Z”.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |L|H|

## **16. GLARE - Glare Master**

Identifies the “glare master”.

### **VALID ENTRIES:**

- A = Customer
- B = Provider
- C = TCIC Option

**NOTE 1:** A valid entry of “C” is applicable for CCS trunks only.

**NOTE 2:** When the CC field on the ASR Form is populated, glare master is based on switch hierarchy (ex. If the customer has a class 5 office and the provider has a class 4, then the provider is glare master).

**NOTE 3:** When the CC field on the ASR Form is populated and the switch types are the same (ex. Class 5 to Class 5), glare master is the lower alpha CLLI code between the two companies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TK SEQ field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**17. TEST ANI** - Test Automatic Number Identification Indicator  
(Translation)

Identifies the requirement to furnish the customer with the test ANI number(s).

**VALID ENTRIES:**

Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TG ACT field is "E" or "Z", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 18. **TK SIG** - Trunk Signaling

Identifies the originating protocol and signaling of a FGD or local trunk group.

### **VALID ENTRIES:**

EA = Exchange Access – MF Signaling  
EC = Exchange Access – CCS Signaling  
OA = Traditional – Operator Service Signaling – Inband  
OB = Traditional – Operator Service Signaling – Expanded Inband  
OC = Traditional – Operator Service Signaling – Multi-Wink  
OD = MOSS – Modified Operator Service Signaling – Inband  
OE = MOSS – Modified Operator Service Signaling – Expanded Inband  
OF = MOSS – Modified Operator Service Signaling – Multi-Wink  
OG = EAOSS – Exchange Access Operator Service Signaling – Inband  
OH = EAOSS – Exchange Access Operator Service Signaling – Expanded Inband  
OI = EAOSS – Exchange Access Operator Service Signaling – Multi-Wink  
OJ = CCS/SS7 – Operator Service Signaling – Inband  
OK = CCS/SS7 – Operator Service Signaling Expanded Inband  
OL = CCS/SS7 – Operator Service Signaling – Multi-Wink  
TA = Exchange Access Tandem Signaling – MF  
TC = Exchange Access Tandem Signaling – CCS  
TS = Traditional Signaling

**NOTE 1:** An entry of “TS” is valid only on trunk groups used for 8YY/9YY traffic and is based on provider tariffs/contracts/practices.

**18. TK SIG - Trunk Signaling (continued)**

**NOTE 2:** An entry of “TC” or “TA” indicates the requirement for network signaling information necessary to route calls from a provider end office through an access tandem.

**NOTE 3:** Entries of “TC” or “TA” are prohibited when the entry in the TGTYP field is “B”, “D”, “F” or “G”.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is “D”, “T”, “L”, “M”, “W” or “X” and the TG ACT field is “N” or “M”.

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is “D” or “T” and the TG ACT field is “D”, “C”, “F” or “K”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |T|S|

**19. SAC NON - SAC Non-Conforming**

Indicates traditional signaling is required for originating SAC traffic from non-conforming end offices to this trunk group.

**VALID ENTRIES:**

R = Remove Non-Conforming SAC traffic from this trunk group  
Y = Route Non-Conforming SAC traffic to this trunk group

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TG ACT field is “E” or “Z”, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**20. O-T - Operator Transfer**

Identifies the FGD Trunk Group on which operator transfer traffic will be routed.

**VALID ENTRIES:**

R = Remove Operator Transfer Traffic from this trunk group  
Y = Route Operator Transfer Traffic to this trunk group

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the TQ field on the ASR Form is not "D" or "T".

**NOTE 2:** Prohibited when the first position of the TQ field on the ASR Form is "D" or "T" and the TG ACT field is "E" or "Z".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **21. OVLP - Overlap Outpulsing**

Indicates the requirement for Overlap Outpulsing on FGD.

### **VALID ENTRIES:**

R = Remove Overlap Outpulsing from this trunk group  
Y = Add Overlap Outpulsing to this trunk group

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TK SIG field is “EC” or “OC”.

**NOTE 2:** Prohibited when the first position of the TQ field on the ASR Form is not “D” or “T”.

**NOTE 3:** Prohibited when the first position of the TQ field on the ASR Form is “D” or “T” and the TG ACT field is “E” or “Z”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**22. CTO - Cut Through**

Identifies the FGD trunk group on which Cut-Through traffic will be routed.

**VALID ENTRIES:**

R = Remove Cut-Through traffic from this trunk group  
Y = Route Cut-Through traffic on this trunk group

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the TQ field on the ASR Form is "D", "T" or "W" and the CC field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**23. OSAC - Other Service Access Code**

Identifies a unique Service Access Code.

**VALID ENTRIES:**

710 = Federal Government Service Access Code

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TG ACT field is "E" or "Z".

**NOTE 2:** Prohibited when the CC field on the ASR Form is populated.

**NOTE 3:** Prohibited when the WST field on the ASR Form is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** **|7|1|0|**

**24. NDO - Number of Digits Outpulsed**

Identifies the number of digits to be provided to the customer.

**VALID ENTRIES:**

0 - 10

**NOTE 1:** When requesting FG-B an NDO entry of 0 thru 6 will cause the number of trailing characters specified in the NDO field to be transmitted. (e.g., If the seven digit access code is 950-XXXX and the NDO entry is 4, then the customer would receive "XXXX" in the outpulsing.)

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGB requests when the ACT field on the ASR Form is "N" or "C", the first position of the TQ field on the ASR Form is "B", "U" and the TG ACT field is not "E".

**NOTE 2:** Optional when the WST field on the ASR Form is populated, the ACT field on the ASR Form is "N" or "C", the first position on the TQ field on the ASR Form is "W" or "X" and the TG ACT field is not "E".

**NOTE 3:** Optional when the CC field on the ASR Form is populated, the ACT field on the ASR Form is "N" or "C", the first position on the TQ field on the ASR Form is "L" or "M" and the TG ACT field is not "E".

**NOTE 4:** Otherwise prohibited.

**24. NDO - Number of Digits Outpulsed (continued)**

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLES:**

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**25. CSP - Carrier Selection Parameter**

Identifies originating calls placed from a customer's presubscribed end user.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional for FGD CCS trunks when the ACT field on the ASR Form is "N" or "C" and the CC field on the ASR Form is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **26. CPN - Calling Party Number**

Identifies a request for the delivery of a ten-digit telephone number of the calling party originating calls within the LATA to a customer's location.

**NOTE 1:** CPN is dependent on ANI capabilities being provided.

### **VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional for CCS trunks when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |R|

## 27. CIP - Carrier Identification Parameter

Identifies a request for the CIP option which is used to carry the CIC of the carrier in the CCS7 call setup protocol (Initial Address Message) through the originating and subsequent networks.

### VALID ENTRIES:

R = Remove  
Y = Requested or existing  
X = Not requested

**NOTE 1:** A value of 'R' should be sent when removing a previously requested CIP option for the entire trunk group.

**NOTE 2:** A value of 'Y' should be sent when establishing or retaining the CIP option on a trunk group.

**NOTE 3:** A value of 'X' should be sent when the CIP option is not requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required for CCS trunks when both the CC and the WST fields on the ASR Form are not populated and the CIC or ACIC field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

REF	CIP
A	Y
B	Y
C	X
D	R

**28. VSC – Vertical Service Code (Translation)**

Identifies the three-digit vertical service code needed to route a designated ten-digit, 5YY or 700 telephone number associated with an Advanced Intelligent Network (AIN) Vertical Service.

**VALID ENTRIES:**

Three digit Vertical Service Code

**NOTE 1:** These three-digit codes are assigned by the provider during pre-negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when vertical services are being ordered, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** |3|4|5|

**29. FACT - Feature Activity (ALT REF)**

Identifies the activity associated with the ALT REF field for this trunk group.

**VALID ENTRIES:**

A = Add Feature  
C = Change Feature  
E = Existing/Informational  
R = Remove Feature

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ALT REF field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLES:**

FACT	ALT REF
A	AQ123456

### 30. **ALT REF** - Alternate Routing Trunk Group Reference

Identifies the REF or TSC of an existing trunk group or a new trunk group to which overflow traffic will be routed.

#### **VALID ENTRIES:**

A  
B  
C  
D  
VALID TSC

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TGTYP field is "A", "B", "C" or "D" and the TG ACT field is "N", "C", "F", or "M".

**NOTE 2:** Required when the associated TG ACT field is "D," the TGTYP field is "A", "B", "C" or "D" and the ACTI field on the ASR Form is "E".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

REF	FACT	ALT REF
A	A	B
B		
C		
D		

REF	FACT	ALT REF
A	A	AQ123456
B		
C		
D		

**31. FACT - Feature Activity (950-XXXX)**

Identifies the activity associated with the “950-XXXX” field entry for this trunk group.

**VALID ENTRIES:**

A = Add Feature  
R = Remove Feature

**USAGE:** This field is conditional.

**NOTE 1:** Required when “950-XXXX” field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLES:**

FACT	950-XXXX	FACT	950-XXXX	FACT	950-XXXX
R	950-0468	A	950-0469		

**32. 950-XXXX - 950 Access Number**

Identifies the 950 access number(s) to be used on a FGB or FGD service.

**VALID ENTRIES:**

Last four digits of the 950 number.

**NOTE 1:** When more than three 950 numbers are required, additional 950 numbers will be specified in the REMARKS field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is “B” or “U”, and the TG ACT field is “N”.

**NOTE 2:** Prohibited when the TG ACT field is “E”.

**NOTE 3:** Prohibited when the first position of the TQ field on the ASR Form is “L”, “M”, “W”, “X”, “C” or “E”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:**

FACT	950-XXXX	FACT	950-XXXX	FACT	950-XXXX
R	950-0468	A	950-0469		

**33. BRAND - Branding**

Indicates whether a customer wants a definable announcement to callers prior to placing them in a queue or connecting them to an available operator or automated operator system.

**VALID ENTRIES:**

First Position Identifies the Activity

C = Change  
R = Remove  
W = Waived  
Y = Install

Second Position is an optional entry that indicates the type of Branding being requested.

A = Electronic Response System  
B = Switch  
C = Both

**NOTE 1:** When the first position is populated with a "Y" or "C", and the second position is blank, the announcement must be populated in the ANNC field.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the TRFTYP field on the Trunking Form is "DA", "DC", "NA", "ND" or "OP", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |Y|

## **34. ANNC - Announcement**

Identifies the customer's announcement to callers prior to them being placed in a queue or connecting them to an available operator or automated operator system.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the BRAND field is “Y” or “C”, and the second position of the BRAND field is blank, otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:** |T|H|A|N|K| |Y|O|U| |F|O|R| |U|S|I|N|G| |  
|A|B|C| |C|O|M|P|A|N|Y| | | | | | | | | |

### **35. CCW - Carrier Connect Wink Validation**

Identifies a carrier connect wink sent by the access tandem to the customer on International Calls originated by the customer.

**NOTE 1:** Indicates Interexchange Carrier switch is connected.

**NOTE 2:** Applies to incoming (terminating) or 2-way trunk groups that are MF.

#### **VALID ENTRIES:**

N = Access tandem will not send carrier connect wink to customer

Y = Access tandem will send carrier connect wink to customer

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TRFTYP field on the Trunking Form is "AL", "AM", "TM" or "TS" and the first position of the TQ field on the ASR Form is "L" or "W", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

### **3.3 TESTING SECTION**

The Testing Section is used by the customer to provide the testing telephone number and the associated response.

#### **36. TTEST TN – Translations Test Telephone Number**

Identifies the ten-digit test telephone number to be used by the provider for call through testing.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is “B”, “U”, “D”, “T”, “L”, “M”, “W”, or “X” and the ACT field on the ASR Form is “N”, the ACTI field on the ASR Form is “C”, and the DIR field is “1O”, “2O” or “2W”.

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is “B”, “U”, “D”, “T”, “L”, “M”, “W”, or “X”, the ACTI field on the ASR Form is “B”, and the DIR field is “1O”, “2O” or “2W”.

**NOTE 3:** Optional when the first position of the TQ field on the ASR Form is “B”, “U”, “D”, “T”, “L”, “M”, “W”, or “X”, the ACT field on the ASR Form is “C”, and the DIR field is “1O”, “2O” or “2W”.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** |9|7|2|-|3|3|4|-|2|1|1|2|

### **37. TTEST RESP– Translations Test Response**

Identifies the expected announcement response when reaching the customer test number.

#### **VALID ENTRIES:**

Recorded Announcement  
Milliwatt Tone

**USAGE:** This field is conditional.

**NOTE 1:** Required when TTEST TN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 62 alpha/numeric characters

**EXAMPLES:**

Y O U	H A V E	R E A C H E D	T H E
A B C	C O	8 0 0	S E R V I C E
N E T W O R K			
M I L L I W A T T	T O N E		

**38. ATTEST TN – Additional Translations Test Telephone Number**

Identifies the customer's additional test telephone number to be used by the provider for call through testing.

**NOTE 1:** Up to four occurrences of this field can be used to define the test telephone numbers.

**NOTE 2:** This number is used to test domestic, international or toll free services.

**VALID ENTRIES:**

1NPANXXXXXX	= Direct Dialed Domestic
0NPANXXXXXX	= Operator Dialed Domestic
011CCNN	= Direct Dialed International
01CCNN	= Operator Dialed International
18XXNXXXXXX	= Toll Free
1010XXXXNPANXXXXXX	= Casual Dialed Domestic
1010XXX011CCNN	= Casual Dialed International

**NOTE 1:** For the international related valid entries, CC is the country code (2 or 3 digits) and NN is the national number.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the TQ field on the ASR Form is "B", "D", "U" or "T" and the ACT field on the ASR Form is "N", the ACTI field on the ASR Form is "C", and the DIR field is "1O", "2O" or "2W".

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is "B", "D", "U" or "T", the ACTI field on the ASR Form is "B", and the DIR field is "1O", "2O" or "2W".

**38. ATTEST TN - Additional Translations Test Telephone Number  
(continued)**

**NOTE 3:** Optional when the first position of the TQ field on the ASR Form is “B”, “U”, “D”, “T”, “L”, “M”, “W”, or “X”, the ACT field on the ASR Form is “C”, and the DIR field is “1O”, “2O” or “2W”.

**NOTE 4:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 22 numeric characters

**EXAMPLES:** | 1 | 9 | 7 | 2 | 3 | 3 | 4 | 2 | 1 | 1 | 2 | | | | | | | |

**NOTE 1:** The above example is for a Direct Dialed Domestic test number.

|0|0|7|2|3|3|4|2|1|1|2| | | | | | | | |

1

**NOTE 1:** The above example is for an Operator Dialed Domestic test number.

|0|1|5|2|5|2|2|3|5|1|7| | | | | | | | |

1

0	1	6	7	2	1	1	7	5	9	4	4	0	2	4	7	9			
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--

1

**NOTE 1:** The above examples are for Operator Dialed International test numbers.

**38. ATTEST TN – Additional Translations Test Telephone Number**  
(continued)

[0|1|1|5|2|5|2|2|3|5|1|7| | | | | | | ]  
[ | | ]

[0|1|1|6|7|2|1|1|7|5|9|4|4|0|2|4|7|9| | ]  
[ | | ]

**NOTE 1:** The above examples are for Direct Dialed International test numbers.

[1|8|6|6|2|5|9|1|7|2|5| | | | | | | ]  
[ | | ]

**NOTE 1:** The above example is for a Toll Free test number.

[1|0|1|0|2|2|0|1|7|2|1|2|2|5|2|4|7|9| | ]  
[ | | ]

**NOTE 1:** The above example is for Casual Dialed Domestic test numbers.

[1|0|1|0|2|2|0|0|1|1|2|2|3|5|1|7|7| | | ]  
[ | | ]

[1|0|1|6|3|9|8|0|1|1|4|4|2|0|7|3|7|0|7|7| ]  
[4|4]

**NOTE 1:** The above example is for Casual Dialed International test numbers.

**39. ATTEST RESP– Additional Translations Test Response**

Identifies the expected announcement response when reaching the customer's additional test number.

**VALID ENTRIES:**

## Recorded Announcement Milliwatt Tone

**USAGE:** This field is conditional.

**NOTE 1:** Required when the corresponding ATTEST TN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 62 alpha/numeric characters

### **3.4 TRUNKING SECTION**

FEATURE GROUP D:

This section is required only on FGD and local requests and is prepared in addition to the Administrative and Common Sections.

#### **40. CIC - Carrier Identification Code**

Identifies the uniform access code.

**NOTE 1:** This Carrier Identification Code is associated with the trunking request.

**NOTE 2:** More than one CIC can be associated on a TQ for FGD. Additional CICs may be included in the ACIC field.

**NOTE 3:** When multiple CICs are entered, the CIC and all ACICs will reference a single routing matrix and/or exception routing matrix.

**NOTE 4:** When multiple CICs are entered, the CIC and all ACICs will have identical features and identical routing or exception routing at the ASR level.

**NOTE 5:** Multiple CICs do not apply to 5YY and 9YY NXXs.

**NOTE 6:** When multiple CICs are utilized, the CIC in this field is for terminating billing.

**40. CIC - Carrier Identification Code (continued)**

**VALID ENTRIES:**

<u>TYPE</u>	<u>ENTRY</u>
-------------	--------------

950-XXXX	= XXXX
10XXX	= XXX
101XXXX	= XXXX

**NOTE 1:** When this field is populated and the CIC field on the Trunking Form is populated, those entries must be the same.

**NOTE 2** Valid entries are based on the Carrier Identification Code (CIC) Assignment Guidelines as maintained by the Industry Numbering Committee (INC).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the WST field on the ASR Form is populated.

**NOTE 2:** Required when the first position of the TQ field on the ASR Form is "D" or "T" and any TG ACT field is not "F", "K" or "D".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:** |1|2|3|

**NOTE 1:** This example indicates a valid three-character CIC and would not be zero filled.

|5|2|3|4|

#### **41. ACIC - Additional Carrier Identification Code**

Identifies the additional uniform access code(s).

**NOTE 1:** These Carrier Identification Codes are associated with the trunking request.

**NOTE 2:** When this field is populated, the CIC field in the FGD Section of the TQ Form must be populated.

**NOTE 3:** When multiple CICs are entered, the CIC and all ACICs will reference a single routing matrix and/or exception routing matrix.

**NOTE 4:** When multiple CICs are entered, the CIC and all ACICs will have identical features and identical routing or exception routing at the ASR level.

**NOTE 5:** Project and due date negotiations may be based upon individual provider's requirements including but not limited to CIC volume, trunk volume and end office translations.

**NOTE 6:** 5YY and 9YY NXXs are assigned to only 1 CIC and ACIC cannot be used.

#### **VALID ENTRIES:**

<u>TYPE</u>	<u>ENTRY</u>
950-XXXX	= XXXX
10XXX	= XXX
101XXXX	= XXXX

**NOTE 1:** Valid entries are based on the Carrier Identification Code (CIC) Assignment Guidelines as maintained by the Industry Numbering Committee (INC).

**41. ACIC - Additional Carrier Identification Code (Continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the TQ field on the ASR Form is "L" or "M".

**NOTE 2:** Prohibited when the WST field on the ASR Form is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:** | 1 | 2 | 3 |

**NOTE 1:** This example indicates a valid three-character CIC and would not be zero filled.

| 5 | 2 | 3 | 4 |

## **42. CCLASS - Carrier Classification**

Identifies the classification of the ordering Interexchange customer.

### **VALID ENTRIES:**

CC = Consolidated Carrier (domestic and international)

IC = Interexchange Customer (domestic)

IN = International Carrier

**NOTE 1:** If a classification of "IC" is chosen, the REMARKS field must indicate the CIC of the International Carrier or that traffic is to be blocked. Blocking is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "D" or "T" and any TG ACT field is not "F", "D" or "K".

**NOTE 2:** Prohibited when the first position of the TQ field on the ASR Form is "C", "L", "M", "W" or "X".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |C|C|

**43. INTRA - Intrastate IntraLATA Traffic**

Indicates whether the customer is authorized by the appropriate state regulatory authority to carry Intrastate IntraLATA traffic.

**VALID ENTRIES:**

N = Do not route traffic  
Y = Yes authorized, route traffic

**USAGE:** This field is conditional.

**NOTE 1:** Required when any TG ACT field is “N”, “C” or “R”, and both the CC and WST fields on the ASR Form are not populated.

**NOTE 2** Optional when any TG ACT field is “K”.

**NOTE 3** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**44. INTER** - Intrastate InterLATA Traffic

Indicates the customer is authorized by the appropriate state regulatory authority to carry Intrastate InterLATA traffic.

**VALID ENTRIES:**

N = Do not route traffic  
Y = Yes authorized, route traffic

**USAGE:** This field is conditional.

**NOTE 1:** Required when any TG ACT field is “N”, “C” or “R”, and both the CC and WST fields on the ASR Form are not populated.

**NOTE 2** Optional when any TG ACT field is “K”.

**NOTE 3** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**45. COIN EA - Coin Equal Access**

Identifies the customer as a participant in Coin Equal Access in the end office(s) or access tandem affected by this request.

**VALID ENTRIES:**

N = No  
Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "D" or "T" and any TG ACT field is not "F", "K" or "D".

**NOTE 2:** Prohibited when the first position of the TQ field on the ASR Form is "C", "L", "M", "W" or "X".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**46. ATP - Access Transport Parameter**

Identifies a request for the ATP option which is used to carry information transmitted from an ISDN user through the CCS network.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional for CCS trunks, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**47. BCR3 - Bearer Capability Routing 3.1 KHZ**

Identifies the REF or TSC of the trunk group carrying traffic with a bearer capability indicating 3.1 KHZ.

**VALID ENTRIES:**

A through D  
Valid TSC

**NOTE 1:** Only one trunk group can be referenced in this field.

**NOTE 2** When this trunk group is referenced in the Common Section, the associated REF entry must be populated in this field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when exception routing by 3.1 KHZ bearer capability is ordered or changed, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:** [A| | | | | | ]

[A|B|1|2|3|4|5|6]

**48. BCR5 - Bearer Capability Routing 56 KB**

Identifies the REF or TSC of the trunk group carrying traffic with a bearer capability indicating 56 KB.

**VALID ENTRIES:**

A through D  
Valid TSC

**NOTE 1:** Only one trunk group can be referenced in this field.

**NOTE 2** When this trunk group is referenced in the Common Section, the associated REF entry must be populated in this field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when exception routing by 56 KB bearer capability is ordered or changed, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:** [A| | | | | | ]

[A|B|1|2|3|4|5|6]

**49. BCR6 - Bearer Capability Routing 64 KB**

Identifies the REF or TSC of the trunk group carrying traffic with a bearer capability indicating 64 KB.

**VALID ENTRIES:**

A through D  
Valid TSC

**NOTE 1:** Only one trunk group can be referenced in this field.

**NOTE 2** When this trunk group is referenced in the Common Section, the associated REF entry must be populated in this field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when exception routing by 64 KB bearer capability is ordered or changed, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:** [A| | | | | | ]

[A|B|1|2|3|4|5|6]

**50. M64 - Multiple 64 Clear Channel Capability**

Identifies the allocation scheme and trunk selection option when multiple 64 clear channel capability is ordered.

**NOTE 1:** The trunk sequence of the trunk group must be high to low or low to high.

**VALID ENTRIES:**

1st POSITION - Allocation Scheme

- 1 = H0 - 384 Kbps call that requires 6 time slots
- 2 = H11 - 1536 Kbps call that requires 24 time slots
- 3 = Multirate - Multiples of 64 kbps
- 4 = Multirate H11
- 5 = Multirate Floating
- 6 = Multirate Flexible
- 7 = Multirate H0

2nd POSITION - Trunk Selection Option

- B = Best Fit
- F = First Fit

**NOTE 1:** An allocation scheme determines how the switch chooses a set of open channels needed to setup a call.

**NOTE 2:** Trunk selection identifies the best fit as the most efficient capturing of open channels and the first fit as capturing the first open channels.

**NOTE 3:** Positions 1 and 2 are required when multiple 64 clear channel capability is ordered.

**USAGE:** This field is conditional.

**50. M64 - Multiple 64 Clear Channel Capability (continued)**

**NOTE 1:** Required when ordering multiple 64 clear channel capability, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** | 1 | F |

## 51. **ROUTING MATRIX** - Routing Matrix

Identifies the routing requirements by ANI Information Digits and service prefix.

**NOTE 1:** Column A identifies classes of service grouped into packages (indicated by the ANI II digits) by originating line class of service.

ANI II Information Digit Definitions:

- All - All classes of service
- 00 - Regular Business and Residence (POTS)
- 01 - Multiparty (4/8)
- 06 - Hotel without room identification
- 07 - Coinless, Hospital, Inmate, etc.
- 20 - AIOD - Listed directory number sent
- 27 - Coin call
- 29 - Prison/inmate pay station
- 52 - OutWATS
- 61 - Cellular
- 70 - Non-network controlled payphone
- 93 - Private Virtual Network (PVN)

**NOTE 2:** The Service Prefixes identified in Column B of the matrix identify service prefixes that may be used in assigning calls to trunk groups.

## 51. **ROUTING MATRIX** - Routing Matrix (continued)

### Service Prefix Definitions:

- All - All of the following service prefixes
- 1+ - Pre-subscribed 1+ and/or 10XXX/101XXXX + 1+ calls
- 0+ - Pre-subscribed 0+ and/or 10XXX/101XXXX + 0+ calls
- 00 - Pre-subscribed 00 and/or 10XXX/101XXXX + 0- calls
- 011 - Pre-subscribed 011 (IDDD) and/or 10XXX/101XXXX + 011 calls
- 01 - Pre-subscribed 01+(operator IDDD services) and/or 10XXX/101XXXX + 01+calls
- 1+700 - Service Access Code (SAC)
- 0+700 - Service Access Code (SAC)
- 8YY - Toll Free Service Access Code (SAC)
- 1+9YY - Calling Party Pays Service Access Code (SAC)
- 0+9YY - Calling Party Pays Service Access Code (SAC)
- 1+5YY - Personal Communications Services (PCS) Service Access Code (SAC)
- 0+5YY - Personal Communications Services (PCS) Service Access Code (SAC)
- 0-L - Local 0- (operator services) calls
- 411 - Local 411 (directory assistance) calls
- LPDA - Local NPA-555-1212 (directory assistance)
- 0+L - Local IntraLATA Traffic

### **VALID ENTRIES:**

- A
- B
- C
- D
- X - No requirements

## 51. **ROUTING MATRIX** - Routing Matrix (continued)

**NOTE 1:** The entry (A, B, C, D) identifies the REF of the trunk group to which the specified traffic is first routed.

**NOTE 2:** Use of "X" is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Routing Matrix entries are required when routing is being added or changed. The Routing Matrix entries indicate the new requirements.

**NOTE 2:** An entry in the "ALL" column for a specific ANI, e.g. "00" indicates that the referenced trunk group (A, B, C, D) carries the traffic for all Service Prefixes for that ANI. Entries in the remaining columns in that row are prohibited.

**NOTE 3:** If the "ALL" column for a specific ANI is not populated, a positive entry (A, B, C, D or X) is required for each Service Prefix in that ANI II row that is being added or changed.

**NOTE 4:** An entry in the "ALL" row for a specific Service Prefix, e.g., 1+, indicates that the referenced trunk group carries the traffic for all ANI II digits for that Service Prefix. Entries in the remainder of that Service Prefix column are prohibited.

**NOTE 5:** If the "ALL" row for a specific Service Prefix is not populated, a positive entry (A, B, C, D or X) is required for each ANI II in that Service Prefix column that is being added or changed.

## **51. ROUTING MATRIX** - Routing Matrix (continued)

**NOTE 6:** If there is an entry in the “ALL” row for a Service Prefix and an entry in the “ALL” column for an ANI II, the trunk group reference must be the same.

**NOTE 7:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

SERVICE PREFIXES					
ANI II DIGITS	ALL	1+	0+	00	011
ALL				B	
00		A	A		A
01		A	A		A
06		A	A		A
07	B				
20		A	A		A

**NOTE 1:** Use of “B” in the “ALL” Column indicates that referenced trunk group (“B”) carries the traffic for all service prefixes for the ANI II digit 07.

**NOTE 2:** An entry of “B” in the “ALL” Service Prefix row prohibits entries in the remainder of that service prefix column. Use of the “ALL” row indicates that referenced trunk group (“B”) carries the traffic for all ANI II digits for that service prefix 00.

## 52. ROUTING EXCEPTION MATRIX - Routing Exception Matrix

Identifies the exceptions by Line Class of Service to the routing requirements listed in the Routing Matrix.

**NOTE 1:** Column A identifies classes of service grouped into packages (indicated by the ANI II digits) by originating line class of service.

**NOTE 2:** Column B indicates a specific line class of service for which exception routing is being requested.

**NOTE 3:** The Service Prefixes identified in Column C of the matrix identifies service prefixes that may be used in assigning calls to trunk groups.

Service Prefix Definitions:

- All - All of the following service prefixes
- 1+ - Pre-subscribed 1+ and/or 10XXX/101XXXX + 1+ calls
- 0+ - Pre-subscribed 0+ and/or 10XXX/101XXXX + 0+ calls
- 00 - Pre-subscribed 00 and/or 10XXX/101XXXX + 0- calls
- 011 - Pre-subscribed 011 (IDDD) and/or 10XXX/101XXXX + 011 calls
- 01 - Pre-subscribed 01+(operator IDDD services) and/or 10XXX/101XXXX + 01+calls
- 1+700 - Service Access Code (SAC)
- 0+700 - Service Access Code (SAC)
- 8YY - Toll Free Service Access Code (SAC)
- 1+9YY - Calling Party Pays Service Access Code (SAC)
- 0+9YY - Calling Party Pays Service Access Code (SAC)

**52. ROUTING EXCEPTION MATRIX** - Routing Exception Matrix  
(continued)

Service Prefix Definitions Continued:

- 1+5YY - Personal Communications Services (PCS) Service Access Code (SAC)
- 0+5YY - Personal Communications Services (PCS) Service Access Code (SAC)
- 0-L - Local 0- (operator services) calls
- 411 - Local 411 (directory assistance) calls
- LPDA - Local NPA-555-1212 (directory assistance)
- 0+L - Local IntraLATA Traffic

**VALID ENTRIES:**

**COLUMN A** - ANI Information Digits: "00" through "99"

**NOTE 1:** Enter only the line class services that are an exception to the ANI II Routing Matrix entries.

**COLUMN B** - Line/Class Service: Entry is based on local provider tariffs/practices.

**NOTE 1:** Enter the specific name of the line class of service exception. EXAMPLE: inmate, coinless.

**COLUMN C** - Service Prefixes:

- A
- B
- C
- D
- X = no requirement

**52. ROUTING EXCEPTION MATRIX** - Routing Exception Matrix  
(continued)

**NOTE 1:** An entry in the “ALL” column for a specific line/class service indicates that the referenced trunk group (A, B, C, D) carries the first routed traffic for all service prefixes for that line/class. Entries in the remaining columns in that row are prohibited.

**NOTE 2:** If the “ALL” column for a specific line/class is not populated, a positive entry of A, B, C, D or X is required for each service prefix in that ANI II row being added or changed.

**NOTE 3:** Use of the “X” is based on local provider tariffs/practices.

**USAGE:** This field is optional.

**NOTE 1:** If the routing exception information is being changed or deleted the routing exception matrix entries indicate the new requirements.

**DATA CHARACTERISTICS:**

Column A: 2 numeric characters

Column B: 15 alpha/numeric characters

Column C: 1 alpha character

**EXAMPLE:**

A LINE/CLASS	B SERVICE	C SERVICE PREFIXES
ANI II DIGITS	SERVICE	ALL 1+ 0+ 00 011 01 1+700 8YY 1+9YY
07	INMATE	X B B X X X C X
07	COINLESS	B

**53. REMARKS** – Remarks (Translation)

Identifies a free flowing field, which can be used to expand upon and clarify other data on this TQ.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### **3.5 SAC NXX CODE ACTIVITY SECTION**

The SAC NXX Code Activity Section is completed for SAC or NXX activations or deactivations only. A combination of SAC codes on the same TQ is based on provider tariffs/practices.

#### **54. CIC - Carrier Identification Code**

Identifies the uniform access code.

**NOTE 1:** This Carrier Identification Code is associated with the SAC NXX on this request.

**NOTE 2:** Only one CIC can be associated with a TQ. Separate TQs are required for each CIC.

#### **VALID ENTRIES:**

<u>TYPE</u>	<u>ENTRY</u>
950-XXXX	= XXXX
10XXX	= XXX
101XXXX	= XXXX

**NOTE 1:** When this field is populated and the CIC field on the Trunking Form is populated, those entries must be the same.

**NOTE 2:** Valid entries are based on the Carrier Identification Code (CIC) Assignment Guidelines as maintained by the Industry Numbering Committee (INC).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "S", "U" or "T" and the WST field on the ASR Form is not populated, otherwise prohibited.

**54. CIC - Carrier Identification Code (continued)**

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:** |1|2|3|

**NOTE 1:** This example indicates a valid three-character CIC and would not be zero filled.

|5|2|3|4|

**55. TEST ANI** - Test Automatic Number Identification Indicator (SAC)

Identifies the requirement to furnish the customer with the test ANI number.

**VALID ENTRIES:**

N = No  
Y = Yes

**USAGE:** This field is conditional.

**NOTE 1:** Optional when TEST TN field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**56. TECH CON - Customer Technical Contact (SAC)**

Identifies the employee or office of the customer or agent that should be contacted on technical matters regarding this TQ.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "S".

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is "U" or "T".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|O|H|N|J|S|M|I|T|H| | |

**57. TEL NO** - Technical Contact Telephone Number (SAC)

Identifies the telephone number of the customer technical contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TECH CON (SAC) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 7|0|3 - 5|5|5 - 1|4|8|4 - 2|2|6|4

## 58. **SAC ACT** - Service Access Code Activity

Identifies the activity taking place for SAC NXX services.

### **VALID ENTRIES:**

A = Add (NXX Code Activation)  
D = Discontinue SAC Service  
K = Cancel Pending Activity  
N = Establish SAC Service  
R = Remove (NXX Code Deactivation)

**NOTE 1:** Activation (N, A) and deactivation (D, R) of NXX codes require separate TQs.

**NOTE 2:** Valid entry of “K” is prohibited on the initial submission of the TQ.

**NOTE 3:** Valid entry of “K” cancels all associated NXXs.

**NOTE 4:** Valid entry of “K” in all occurrences of the TG ACT and SAC ACT fields is prohibited when the second position of the TQ field on the ASR Form is “N” or “X”.

**USAGE:** This field is conditional.

**NOTE 1:** Required if the first position of the TQ field on the ASR Form is “S”, “U” or “T”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |N|

**59. SAC – Service Access Code**

Identifies the Service Access Code (SAC) affected by this translation questionnaire (TQ).

**NOTE 1:** The code identified in this field indicates the specific SAC code for which the NXXs listed on this form are to be applied.

**VALID ENTRIES:**

Valid Service Access Code

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SAC ACT field is “A”, “D”, “N” or “R”.

**NOTE 2:** Optional when the SAC ACT field is “K”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** 5|3|3

**60. APON - Associated Purchase Order Number**

Identifies the PON of the ASR associated with this activity.

**USAGE:** This field is conditional.

**NOTE 1:** Required when Translation Questionnaire is associated with multiple ASRs.

**NOTE 2:** Prohibited when SAC ACT is not populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**61. TEST TN - Test Telephone Number**

Identifies the last four digits of the test telephone number to be used by the provider.

**NOTE 1:** The first six digits of the TEST TN will be the SAC and NXX being tested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SAC ACT field is "A" or "N".

**NOTE 2:** Optional when the SAC ACT field is "K".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |4|4|4|4|

**62. NXX - NXX Information**

Identifies the NXX codes affected by this translation questionnaire.

**NOTE 1:** The number of NXX codes that may be specified is based on provider tariffs/practices.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SAC ACT field is “N”, “A”, “R” or “D”.

**NOTE 2:** Optional when the SAC ACT field is “K”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLES:** **|7|8|7|**

**|8|2|2|**

**63. TEST RESPONSE – Test Response**

Identifies the expected announcement response when reaching the customer test number.

**VALID ENTRIES:**

Recorded Announcement  
Milliwatt Tone

**USAGE:** This field is conditional.

**NOTE 1:** Required when TEST TN is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 62 alpha/numeric characters

**EXAMPLES:**

Y O U	H A V E	R E A C H E D	T H E
A B C	C O	8 0 0	S E R V I C E
N E T W O R K			
M I L L I W A T T	T O N E		

**64. REMARKS - Remarks (SAC)**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this TQ.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:** |O|P|E|N| |N|E|W| |N|X|X| |C|O|D|E|S| |A|

### **3.6 INTERCONNECTION/STP TRANSLATION ROUTING SECTION**

This Interconnection/STP Translation Routing section is used for providing NPA/NXX codes for routing purposes.

#### **65. LRN G - Location Routing Number Global**

Identifies a single number used to uniquely identify a switch that has ported numbers, is used to route a call to the switch and applies to all NPA/NXX associated with this request.

**NOTE 1:** This LRN applies to all NPA/NXX associated with this request.

#### **VALID ENTRIES:**

Positions 1-3 = NPA

Positions 4-6 = NXX

Positions 7-10 = Any four-digit numeric assigned by the customer

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", the DIR field is "1O", "2W" or "2O", the C.NPA/NXX field is populated and the LRN field is blank.

**NOTE 2:** Optional when the ACT field on the ASR Form is "C", the C.NPA/NXX field is populated and the LRN field is blank and the first position of the REQTYP field on the ASR form is "M".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:** |2|1|4|3|3|3|0|0|0|1|

**66. ARLRN – Alternate Routing for Location Routing Number**

Allows one or more Local Routing Numbers to be routed on a single trunk group at end offices or local tandems rather than routing the traffic to an access tandem.

**VALID ENTRIES:**

Positions 1-3 = NPA  
Positions 4-6 = NXX

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:** |2|1|4|5|2|3|

**67. TECH CON - Customer Technical Contact (NPA/NXX)**

Identifies the employee or office of the customer or agent that should be contacted on technical matters regarding this TQ.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "C".

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is "M" or "X".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|O|H|N|J|S|M|I|T|H| | |

**68. TEL NO** - Technical Contact Telephone Number (NPA/NXX)

Identifies the telephone number of the customer technical contact.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TECH CON (NPA/NXX) field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** 7|0|3 - 5|5|5 - 1|4|8|4 - 2|2|6|4

**69. TTEST TN** – Translations Test Telephone Number (NPA/NXX)

Identifies the ten-digit test telephone number to be used by the provider for call through testing.

**Usage:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is “C”.

**NOTE 2:** Optional when the first position of the TQ field on the ASR Form is “E”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** |9|7|2| - |3|3|4| - |2|1|1|2|

**70. TTEST RESP** – Translations Test Response (NPA/NXX)

Identifies the expected announcement response when reaching the customer test number.

**VALID ENTRIES:**

## Recorded Announcement Milliwatt Tone

**USAGE:** This field is conditional.

**NOTE 1:** Required when TTEST TN (NPA/NXX) is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 62 alpha/numeric characters

**EXAMPLES:** |Y|O|U| |H|A|V|E| |R|E|A|C|H|E|D| |T|H|E|

1

M I L L I W A T T      T O N E

\_\_\_\_\_

1

**71. C.NPA/NXX - Local Exchange Customer NPA/NXX**

Identifies the NPA/NXX blocks that reside in the customer's switch/node for the local exchange service being provided.

**NOTE 1:** The C.NPA/NXX specified is associated with REF A. Additional ASR(s) and TQ(s) are required when C.NPA/NXXs are associated with multiple trunk groups.

**NOTE 2:** This field may be used for originating traffic translations. Originating traffic is defined as traffic from the provider to customer when the request is issued by the customer.

**NOTE 3:** This field may be used for STP routing purposes.

**VALID ENTRIES:**

NPA/NXX = 10000 Block

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the TQ field on the ASR Form is "C".

**NOTE 2:** Required when the first position of the TQ field on the ASR Form is "M" or "X" and the DIR field is "1O", "2O" or "2W".

**NOTE 3:** Required when the first position of the TQ field on the ASR Form is "E" and the PCU field on the Trunking Form is "1", "3", "5", "7", "B", "C" or "D".

**71. C.NPA/NXX - Local Exchange Customer NPA/NXX (continued)**

**NOTE 4:** Optional when the first position of the TQ field on the ASR Form is “M” or “X”, the TRFTYP field on the Trunking Form is “E9” and the DIR field is “1T” or “2T”.

**NOTE 5:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:**

4	1	5	9	2	7
---	---	---	---	---	---

**72. LRN - Location Routing Number**

Identifies a number used to uniquely identify a switch that has ported numbers and is used to route a call to the switch.

**VALID ENTRIES:**

Positions 1-3 = NPA

Positions 4-6 = NXX

Positions 7-10 = Any four digit numeric assigned by the customer

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N", the DIR field is "1O", "2W" or "2O", the C.NPA/NXX field is populated and the LRN G field is blank.

**NOTE 2:** Optional when the ACT field on the ASR Form is "C", the C.NPA/NXX field is populated and the LRN G field is blank and the first position of the REQTYP field on the ASR Form is "M".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:** |2|1|4|3|3|3|0|0|0|1|

**73. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this SAC Section.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

P	1	of	2
G			

### 3.7 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference of the Translation Questionnaire fields.

TQ FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACIC	41	Additional Carrier Identification Code
ALT REF	30	Alternate Routing Trunk Group Reference
ANI	13	Automatic Number Identification
ANNC	34	Announcement
APON	60	Associated Purchase Order Number
APON	11	Associated Purchase Order Number
ARLRN	66	Alternate Routing for Location Routing Number
ASR NO	4	Access Service Request Number
ATP	46	Access Transport Parameter
ATTEST TN	38	Additional Translations Test Telephone Number
ATTEST RESP	39	Additional Translations Test Response
BCR3	47	Bearer Capability Routing 3.1 KHZ
BCR5	48	Bearer Capability Routing 56 KB
BCR6	49	Bearer Capability Routing 64 KB
BRAND	33	Branding
CCLASS	42	Carrier Classification
CCNA	1	Customer Carrier Name Abbreviation
CCW	35	Carrier Connect Wink Validation
CIC	40	Carrier Identification Code
CIC	54	Carrier Identification Code
CIP	27	Carrier Identification Parameter
C.NPA/NXX	71	Local Exchange Customer NPA/NXX
COIN EA	45	Coin Equal Access
CPN	26	Calling Party Number
CSP	25	Carrier Selection Parameter
CTO	22	Cut Through

## TQ FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
DA ACC	14	Directory Assistance Access
DIR	12	Directionality
FACT	29	Feature Activity (ALT REF)
FACT	31	Feature Activity (950-XXXX)
GLARE	16	Glare Master
INTER	44	Intrastate InterLATA Traffic
INTRA	43	Intrastate IntraLATA Traffic
LRN	72	Location Routing Number
LRN G	65	Location Routing Number Global
M64	50	Multiple 64 Clear Channel Capability
NDO	24	Number of Digits Outpulsed
NXX	62	NXX Information
OSAC	23	Other Service Access Code
O-T	20	Operator Transfer
OVLP	21	Overlap Outpulsing
PG_of_	73	Page_of_
PON	2	Purchase Order Number
REF	7	Reference
REMARKS	64	Remarks (SAC)
REMARKS	53	Remarks (Translation)
ROUTING MATRIX	51	Routing Matrix
ROUTING	52	Routing Exception Matrix
EXCEPTION		
MATRIX		
SAC	59	Service Access Code
SAC ACT	58	Service Access Code Activity
SAC NON	19	SAC Non-Conforming
TECH CON	67	Customer Technical Contact (NPA/NXX)
TECH CON	56	Customer Technical Contact (SAC)
TECH CON	5	Customer Technical Contact (Translation)

TQ FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
TEL NO	68	Technical Contact Telephone Number (NPA/NXX)
TEL NO	57	Technical Contact Telephone Number (SAC)
TEL NO	6	Technical Contact Telephone Number (Translation)
TEST ANI	55	Test Automatic Number Identification Indicator (SAC)
TEST ANI	17	Test Automatic Number Identification Indicator (Translation)
TEST RESPONSE	63	Test Response
TEST TN	61	Test Telephone Number
TG ACT	8	Trunk Group Activity
TGTYP	9	Trunk Group Type
TK SEQ	15	Trunk Group Hunt Sequence
TK SIG	18	Trunk Signaling
TSC	10	Two Six Code
TTEST RESP	37	Translations Test Response
TTEST RESP	70	Translations Test Response (NPA/NXX)
TTEST TN	36	Translations Test Telephone Number
TTEST TN	69	Translations Test Telephone Number (NPA/NXX)
VER	3	Version Identification
VSC	28	Vertical Service Code (Translation)
950-XXXX	32	950 Access Number

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED

(Insert Your Company Logo Here)

### Translation Questionnaire

V50  
03/15

<b>Administrative Section</b>				CCNA	PON	VER	ASR NO				
				1	2	3	4				
<b>Common Section</b>				TECH CON	TEL NO						
				5	6	-	-	-	-	-	-

REF 7	TG ACT 8	TGTYP 9	TSC 10	APON 11	DIR 12	ANI 13	DA ACC 14	TK SEQ 15	GLARE 16	TEST ANI 17	TK SIG 18	SAC NON 19	O-T 20	OVLP 21	CTO 22	OSAC 23	NDO 24	CSP 25	CPN 26	CIP 27	VSC 28
A																					
B																					
C																					
D																					

REF 7	FACT 29	ALT REF 30	FACT 31	950-XXXX 32	FACT 31	950-XXXX 32	FACT 31	950-XXXX 32
A								
B								
C								
D								
REF 7	BRAND 33	ANNC 34					CCW 35	
A								
B								
C								
D								

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

V50  
03/15

## **Administrative Section**

## Testing Section

ATTEST TN  
| 3 8 |

ATTEST RESP  
3 9

ATTEST TN  
| 3 8 |

ATTEST RESP  
3 9

ATTEST TN  
| 3 | 8 |

ATTEST RESP  
3 9

ATTEST TN  
| 3 8 |

ATTEST RESP  
3 9

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

**Translation Questionnaire (continued)**

V5C  
03/15

<b>Administrative Section</b>		CCNA 1	PON 2	VER 3	ASR NO 4																													
<b>Feature Group D Section</b>		CIC 4 0	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1																					
		ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1																					
		ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1																					
		ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1																					
		ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1	ACIC 4 1																					
CCCLASS 4 2	INTRA 43	INTER 44	COIN EA 45	ATP #	BCR3 4 7	BCR5 4 8	BCR6 4 9	M64 50																										
ROUTING MATRIX 51															ROUTING EXCEPTION MATRIX 52																			
A ANI II DIGITS	B SERVICE PREFIXES													A ANI II DIGITS	B LINE/ CLASS SERVICE	C SERVICE PREFIXES																		
ALL	ALL	1+	0+	00	011	01	1+5YY	0+5YY	1+700	0+700	8YY	1+9YY	0+9YY	0-L	411	LPDA	0+L	ALL	1+	0+	00	011	01	1+5YY	0+5YY	1+700	0+700	8YY	1+9YY	0+9YY	0-L	411	LPDA	0+L
00																																		
01																																		
06																																		
07																																		
20																																		
27																																		
29																																		
52																																		
61																																		
70																																		
93																																		

**REMARKS**

5 3																														

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

PG OF  
| 7 | 3 | | |

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

**(Insert Your Company Logo Here)**

## **Translation Questionnaire (continued)**

V50  
03/15

## **Administrative Section**

SAC ACT SAC APON TEST TN  
58 59 60 61

TEST RESPONSE

SAC ACT SAC APON TEST TN  
58 59 60 61

PG OF  
7 3 | | |

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

**Translation Questionnaire (continued)**

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO		
1	2	3	4				
Interconnection/STP Translation Routing							
LRN G	ARLRN	TECH CON	TEL NO	TTEST TN			
6 5	6 6	6 7	6 8	6 9			
TTEST RESP							
7 0							
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2
C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN	C.NPA/NXX	LRN
7 1	7 2	7 1	7 2	7 1	7 2	7 1	7 2

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

V50  
03/15

Administrative Section		CCNA 1	PON 2	VER 3	ASR NO 4												
Interconnection/STP Translation Routing																	
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN
C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	7 1	7 2	C.NPA/NXX	LRN	7 1	7 2	C.NPA/NXX	LRN

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY**

(Insert Your Company Logo Here)

# **Translation Questionnaire**

V50  
03/15

<b>Administrative Section</b>	CCNA	PON	VER	ASR NO
<b>Common Section</b>	TECH CON	TEL NO		

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)**

**(Insert Your Company Logo Here)**

## **Translation Questionnaire (continued)**

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

V50  
03/15

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

### Translation Questionnaire (continued)

V50  
03/15

Administrative Section		CCNA	PON	VER	ASR NO
SAC NXX Code Activity Section		CIC	TEST ANI	TECH CON	TEL NO
SAC ACT	SAC	APON	TEST TN		
NXX					
TEST RESPONSE					
SAC ACT	SAC	APON	TEST TN		
NXX					
TEST RESPONSE					
REMARKS					

PG      OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

V50  
03/15

## **Administrative Section**

CCNA PON VER ASR NO

The diagram illustrates a layout for a test or configuration sheet. At the top, there are four labels: "SAC ACT", "SAC", "APON", and "TEST TN". Below these labels is a row of 12 sets of four vertical lines each. Each set of four lines is labeled "NXX" directly beneath it. This structure repeats 12 times across the page.

TEST RESPONSE

TEST RESPONSE



PG OF

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here)

## **Translation Questionnaire (continued)**

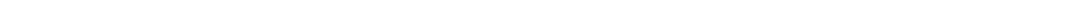
V50  
03/15

## **Administrative Section**

CCNA PON VER ASR NO

## Interconnection/STP Translation Routing

TTEST RESP



C.NPA/NXX      LRN      C.NPA/NXX      LRN      C.NPA/NXX      LRN      C.NPA/NXX      LRN



The diagram consists of four identical horizontal row structures. Each structure contains two labels: 'C.NPA/NXX' and 'LRN'. To the right of each label is a vertical line followed by a series of eleven short vertical tick marks. The first tick mark is aligned with the vertical line, and the subsequent ten tick marks are evenly spaced along the rest of the vertical line.

The diagram consists of four separate horizontal timelines. Each timeline is labeled with 'C.NPA/NXX' at the top left and 'LRN' at the top right. The timelines are represented by a series of vertical tick marks. The first timeline has 10 tick marks. The second timeline has 9 tick marks. The third timeline has 10 tick marks. The fourth timeline has 9 tick marks.

The diagram illustrates four distinct sets of vertical bars, each consisting of two groups of seven bars. The first group of bars is labeled 'C.NPA/NXX' and the second group is labeled 'LRN'. This visual representation likely corresponds to a digital signal or a series of binary bits transmitted over a communication link.

The diagram consists of four identical horizontal row structures. Each row contains two labels: 'C.NPA/NXX' and 'LRN'. Above each label is a set of 12 vertical tick marks. The first row is positioned at the top, followed by a short gap, then the second, third, and fourth rows below it.

The diagram consists of four identical horizontal row structures. Each structure contains two labels: 'C.NPA/NXX' and 'LRN'. To the right of each label is a vertical column of 12 short horizontal bars. The first 11 bars are grouped together by a vertical line, and the 12th bar is positioned below the group.

The diagram consists of four identical horizontal row labels. Each row contains two labels: 'C.NPA/NXX' and 'LRN'. Above each label is a short vertical line segment. A horizontal line with vertical tick marks extends from the right side of the first 'C.NPA/NXX' label to the left side of the last 'LRN' label.

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY (continued)**

(Insert Your Company Logo Here) **Translation Questionnaire (continued)**

(Insert Your Company Logo Here)

V50  
03/15

## **Administrative Section**

CCNA PON VER ASR NO

## Interconnection/STP Translation Routing

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404021-0050**

**Ring Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404021-0050  
Ring Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

“This form/screen is based upon the Ordering and Billing Forum’s (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:

<http://www.atis.org/docstore/default.aspx>”

For purposes of this limited exception, the term “Customized” means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

---

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

RING FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. RING FORM DESCRIPTION	2-1
3. RING FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-6
3.3 PRIMARY LOCATION SECTION	3-23
3.4 SECONDARY LOCATION SECTION	3-32
3.5 ALPHA/NUMERIC GLOSSARY	3-39
4. RING FORM NUMBERED	4-1
5. RING FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Ring (RING) Form entries. The RING Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the RING Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, NC/NCI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. RING FORM DESCRIPTION**

2.1 All information required for ordering the first segment of ring services is provided in the various fields contained within the Ring and SALI Forms. The Ring Form Circuit Detail Section provides entries for the specification of ordering options. The Ring Form Location Section provides entries for describing the termination of the ring services. Additional segments of the ring service are ordered using the Additional Ring Information (ARI) and SALI Forms.

2.2 A related 9.6 kbps circuit is required for Ring Management Options requested in the RMP and/or NMO fields.

2.3 Ring service is generally ordered between two or more locations identified sequentially by segments on the forms. The first segment will use the ASR and Ring Forms. Additional segments will utilize the ARI Form(s). When an end user location is the Primary Location (PRILOC) of the segment and is identified by a street address, a SALI Form will be utilized to provide that information. The SALI Form is prohibited when the Secondary Location is an end user name (SECLOC = "E" followed by an End User Name).

2.4 When communicating information about a node, the ring segment with this node as the primary location should be utilized.

2.5 Usage rules for Ring Segments are based upon segment activity and not upon the ASR activity field. Valid activity combinations are:

<u>ACT (ASR)</u>	<u>SEGACT (RING)</u>
N	None
C	N, C, D, R
M	None, RING/ARI not allowed
D	None
T	None, RING/ARI not allowed

### **2.6 Ring Establishment:**

Secondary locations of ring segments will be the same as the PRILOC field of the subsequent ring segment on the ARI Form(s). The last secondary location will be the same as the ACTL field of the ASR Form or the PRILOC field of the Ring Form.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. RING FORM ENTRIES**

The RING Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.4. Section 3.5 contains an alphabetic listing of the RING Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

**2. PON - Purchase Order Number**

Identifies the customer's or end user's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | | |

### 3.2 CIRCUIT DETAIL SECTION

#### 5. NC - Network Channel Code

Identifies the network channel code for the circuit(s) involved. The network channel code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document TI.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

#### **VALID ENTRIES:**

NC Code

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters maximum

**EXAMPLE:** |L|G|C|B|

## 6. **NCI** - Network Channel Interface Code

Identifies the interface characteristics at the interface. The interface being the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

**NOTE 2:** When the actual number of ports to be activated is different from the protocol options specified in positions 7, 8 and 9 of the NCI Field, refer to PORTS field.

## 6. NCI - Network Channel Interface Code (continued)

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** |0|4|S|O|F|.|U|\_|\_|\_|\_|

**NOTE 1:** This example indicates protocol options for a unidirectional OCN ring.

|0|2|S|M|F|.|B|3|3|\_|\_|

**NOTE 1:** This example indicates protocol options and port allocations for a node on a bidirectional OCN ring.

## 7. **SR** - Special Routing Code

Identifies the type of special routing requested.

**NOTE 1:** The provider may originate a telephone contact with the customer to ascertain the exact routing requirements.

### **VALID ENTRIES:**

#### 1<sup>st</sup> character - Primary Location

- D = Route other than normal
- E = Self Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at POP/PRILOC
- L = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

#### 2<sup>nd</sup> character - Interoffice Facility

- 4 = Self Healing Interoffice Facilities
- 5 = Special Routing for Interoffice Facilities
- 6 = Route other than normal
- 7 = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

**7. SR - Special Routing Code (continued)**

**VALID ENTRIES: (continued)**

3<sup>rd</sup> character - Secondary Location

D = Route other than normal  
E = Self Healing Loop  
F = Alternate Wire Center  
G = Self Healing Loop via Alternate Wire Center  
H = Self Healing Wire Center  
J = Self Healing Alternate Wire Center  
K = Special Routing at SECLOC  
L = Unprotected Transport  
N = N/A  
X = Provider-Engineered/Custom

**NOTE 1:** Use of Valid Entry "X" is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |E|4|K|

## 8. **SECNCI** - Secondary Network Channel Interface Code

Identifies the interface characteristics at the interface. The interface being the secondary location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**8. SECNCI - Secondary Network Channel Interface Code**  
(continued)

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** |0|4|S|O|F|.|U|\_|\_|\_|\_|\_|\_|

**NOTE 1:** This example indicates protocol options for a unidirectional OCN ring.

|0|2|S|M|F|\_|\_|\_|\_|\_|\_|\_|

**NOTE 1:** This example indicates no protocol for a bi-directional OCN ring.

## 9. **PORTS** - Port Type and Number

Identifies the type and actual quantity of ports being ordered for the Node when different from the protocol options specified in positions 7-9 of the NCI code.

### **VALID ENTRIES:**

Type	
A = DS1	Digital Signal 1.544 Mbps
B = LT1	Digital Signal 1.544 Mbps (Switched)
C = DS3	Digital Signal 44.736 Mbps
D = LT3	Digital Signal 44.736 Mbps (Switched)
E = OC1	Optical Carrier Level 1
F = OC3	Optical Carrier Level 3
G = OC3c	Concatenated Optical Carrier Level 3
H = OC12c	Concatenated Optical Carrier Level 12
I = STS1	Synchronous Transport Signal at Level 1 51.84 Mbps
J = STS3	Synchronous Transport Signal at Level 3
K = STS3c	Concatenated Synchronous Transport Signal at Level 3
L = STS12	Synchronous Transport Signal at Level 12
M = STS12c	Concatenated Synchronous Transport Signal at Level 12
N = VT1.5	Virtual Tributary 1.544 Mbps
O = OC12	Optical Carrier Level 12
P = OC48	Optical Carrier Level 48
Q = OC48c	Concatenated Optical Carrier Level 48
R = STS48	Synchronous Transport Signal at Level 48
S = STS48c	Concatenated Synchronous Transport Signal at Level 48
T = OC192	Optical Carrier Level 192
U = OC192c	Concatenated Optical Carrier Level 192

Port Quantity  
1-999

## **9. PORTS - Port Type and Number (continued)**

**NOTE 1:** Valid entries consist of one alpha character type followed by 1-3 numeric characters.

**NOTE 2:** Commas separate valid entries.

**NOTE 3:** Certain valid entries for this field may be based upon company specific bandwidth requirements.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the PQPR field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

$|A|3|0|0|, |B|3|6| \quad | \quad |$

$|C|3|, |D|3|, |A|1|5|0|, |B|1|8| \quad | \quad | \quad | \quad |$

## **10. PQPR - Quantity of Port References (PRILOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the PRILOC.

### **VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "R".

**NOTE 2:** Prohibited when positions 3 and 4 of the NCI field are "SM", "SN", "SP", "SQ" or position 5 of the NCI field is not "F".

**NOTE 3:** Prohibited when the PORTS field is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |0|3|

## 11. CFA - Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** – A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**11. CFA - Connecting Facility Assignment (continued)**

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 4:** The Facility Designation portion identifies the FNI of the existing ring which this ordered service will overlay.

**USAGE:** This field is conditional.

**NOTE 1:** Required when overlaying a ring, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLE:** |A|1|8|0|1| / |O|C|1|2| / |1|2|4|1| / |B|S|T|N|

|M|A|G|T|W|0|1| / |B|S|T|N|M|A|M|T|W|0|1|

\_\_\_\_\_

## 12. **SEGACT** - Segment Activity

Identifies the activity that is occurring on this segment of the ring.

### **VALID ENTRIES:**

C = Node allocation change  
D = Disconnect segment  
N = New segment  
R = Recap

**NOTE 1:** Use of "R" is based on customer/provider negotiations.

**NOTE 2:** When disconnecting or adding a segment, SEGACT(s) of "D" must precede SEGACT(s) of "N".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "C" and a segment is being disconnected, added or reallocated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

**13. INCH - Internodal Channel**

Identifies the type of internodal channel being requested to directly connect two customer premise node locations.

**VALID ENTRIES:**

- A = Both customer premises are normally served by the same Serving Wire Center
- B = Each customer premises may be served by a different Serving Wire Center

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**14. RMP - Ring Management Performance Monitoring**

Indicates the Ring Management Performance Monitoring requested.

**VALID ENTRIES:**

R = Remove  
Y = Install

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**15. NMO - Node Management Option**

Indicates the node management option requested.

**VALID ENTRIES:**

R = Remove customer reconfiguration  
Y = Install customer reconfiguration

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **16. SPEC - Service and Product Enhancement Code**

Identifies a specific product or service offering.

**NOTE 1:** SPEC may be applicable for circuit level features and options other than those already identified by the Network Channel (NC) and Network Channel Interface (NCI) codes for this node.

**NOTE 2:** Telcordia Technologies, Inc. is the intellectual property owner and administrator of SPEC. The SPEC code structure and use are outlined in Telcordia Technologies special report SR-2491.

### **VALID ENTRIES:**

Positions 1-7 = Any alpha character except "I" or any numeric character except "0".

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 7 alpha/numeric characters maximum

**EXAMPLE:** |F|R|D|S|3|2|2|

### 3.3 PRIMARY LOCATION SECTION

#### 17. **PRILOC** - Primary Location

Identifies the primary end of the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

## 17. **PRILOC** - Primary Location (continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** PRILOC denotes the first location of a ring segment, which could either be a central office node or customer node.

### **VALID ENTRIES:**

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
C	CLLI Code	Used if PRILOC is a provider central office node.
E	Blanks	Used if PRILOC is a customer node entered in the EUNAME field on the SALI Form.

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** When an “E” is entered in this field, the pre-assigned CLLI Code should be entered in the SPOT (PRILOC) field.

**NOTE 3:** If the PRILOC is a carrier name and the customer node is an ACTL, the ACTL CLLI Code should be entered in the SPOT (PRILOC) field.

**17. PRILOC - Primary Location (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C" and the ACTL field on the ASR Form is not populated.

**NOTE 2:** Prohibited when the ACTL field on the ASR Form is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|W|0|1|

|E| | | | | | | | | | | |

## 18. **SPOT** - Secondary Point of Termination (PRILOC)

This field is used to enter a CLLI Code to identify a physical point of termination at a customer node.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**18. SPOT - Secondary Point of Termination (PRILOC) (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the primary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 2:** Required when the SEGACT field is “N” or “C”, the primary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |L|S|A|N|C|A|M|C|F|0|1|

|L|S|A|N|C|A|M|C|W|0|1|

**19. PNO - Premises Node Owner (PRILOC)**

Identifies which entity is supplying the premises node to terminate OC3, OC12, OC48 and other optical speeds at a customer premises or central office.

**NOTE 1:** An entry in this field is optional when the ARI forms exist with this request.

**VALID ENTRIES:**

C = Customer (Carrier)  
E = End User Customer  
T = Telephone Company

**NOTE 1:** A valid entry of "T" is required if the primary location is a central office location and collocation does not exist.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SEGACT field is "N", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**20. OTC - Other Exchange Company (Terminating)**

Identifies the provider responsible for delivery of the PRILOC termination in a multi provider service arrangement.

**VALID ENTRIES:**

**COMMON LANGUAGE EC Code** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.

**COMMON LANGUAGE EC Code** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**Company Code** – A four alpha/numeric character code structure assigned and maintained by NECA for North America and certain U.S. territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASC-EC field on the ASR Form is populated and the QTY field on the ASR Form is one.

**NOTE 2:** Optional when the ASC-EC field on the ASR Form is populated and the QTY field on the ASR Form is greater than one.

**20.**      **OTC** - Other Exchange Company (Terminating) (continued)

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:** |G|T|P|A|

|2|0|3|4|

|S|W|\_|\_|

|1|2|A|3|

**21. NID - Node Identifier**

Identifies a sequential alpha/numeric assigned by the provider to each node shown as a primary location.

**NOTE 1:** The first Node Identifier is either the ACTL on the ASR Form or the PRILOC on the RING Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLES:** 0|1

A|

### **3.4 SECONDARY LOCATION SECTION**

#### **22. SECLOC - Secondary Location**

Identifies the terminating end of a circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

## 22. SECLOC - Secondary Location (continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Denotes the secondary location of a ring segment, which could either be a central office node or customer node. A customer node can be either a customer premises or an ACTL.

### VALID ENTRIES:

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
C	CLLI Code	Used if SECLOC is a central office node.
E	End User Name	Used if SECLOC is a customer node.

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** When an “E” (followed by an End User Name) is entered in this field, the pre-assigned CLLI Code should be entered in the SPOT (SECLOC) field.

**NOTE 3:** If SECLOC is a customer name and customer node is an ACTL, then ACTL CLLI Code should be entered in the SPOT (SECLOC) field.

**22. SECLOC - Secondary Location (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|W|0|1| |

| | | | | | | | | | | | | | | | | | | | | | | | |

|E|X|Y|Z| |C|O|R|P|O|R|A|T|

|I|O|N| | | | | | | | | | | | |

**23. SPOT - Secondary Location Point of Termination (SECLOC)**

This field is used to enter a CLLI Code to identify a physical point of termination at a customer location node.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**23. SPOT** - Secondary Location Point of Termination (SECLOC)  
(continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the secondary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 2:** Required when the SEGACT field is “N” or “C”, the secondary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** [L|S|A|N|C|A|M|C|F|0|1]

[L|S|A|N|C|A|M|C|W|0|1]

**24. PNO - Premises Node Owner (SECLOC)**

Identifies which entity is supplying the premises node to terminate OC3, OC12, OC48 and other optical speeds at a customer premises or central office.

**VALID ENTRIES:**

C = Customer (Carrier)  
E = End User Customer  
T = Telephone Company

**NOTE 1:** A valid entry of "T" is required if the secondary location is a central office location and collocation does not exist.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SEGACT field is "N", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**25. REMARKS - Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**EXAMPLE:**

D	I	S	C		O	F		F		I	R	S	T		C	K	T		I	N	
					G	R	O	U	P												

### **3.5 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the Ring Form fields.

#### RING FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
CFA	11	Connecting Facility Assignment
INCH	13	Internodal Channel
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
NID	21	Node Identifier
NMO	15	Node Management Option
OTC	20	Other Exchange Company (Terminating)
PNO	19	Premises Node Owner (PRILOC)
PNO	24	Premises Node Owner (SECLOC)
PON	2	Purchase Order Number
PORTS	9	Port Type and Number
PQPR	10	Quantity of Port References (PRILOC)
PRILOC	17	Primary Location
REMARKS	25	Remarks
RMP	14	Ring Management Performance Monitoring
SECLOC	22	Secondary Location
SECNCI	8	Secondary Network Channel Interface Code
SEGACT	12	Segment Activity
SPEC	16	Service and Product Enhancement Code
SPOT	18	Secondary Location Point of Termination (PRILOC)
SPOT	23	Secondary Location Point of Termination (SECLOC)
SR	7	Special Routing Code
VER	3	Version Identification

#### **4. RING FORM NUMBERED**

(Insert Your Company Logo Here)

## Ring

V50  
03/15

<b>Administrative Section</b>		CCNA 1	PON 2	VER 3	ASR NO 4										
<b>Circuit Detail</b>															
NC 5	NCI 6	SR 7	SECNCI 8	PORTS 9										PQPR 10	
CFA 11															
SEGACT 12	INCH 13	RMP 14	NMO 15	SPEC 16											
<b>Primary Location Section</b>															
PRILOC 17		SPOT 18	PNO 19		OTC 20	NID 21									
<b>Secondary Location Section</b>															
SECLOC 22		SPOT 23	PNO 24												
<b>REMARKS</b>															
25															

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. RING FORM CAMERA READY**

(Insert Your Company Logo Here)

## Ring

V50  
03/15

<b>Administrative Section</b>	CCNA	PON	VER	ASR NO
<b>Circuit Detail</b>				
NC	NCI	SR	SECNCI	PORTS
CFA				
SEGACT	INCH	RMP	NMO	SPEC
<b>Primary Location Section</b>				
PRILOC	SPOT	PNO	OTC	NID
<b>Secondary Location Section</b>				
SECLOC	SPOT	PNO		
<b>REMARKS</b>				

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404022-0050**

**Additional Ring Information (ARI) Form  
Preparation Guide**

**Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404022-0050  
Additional Ring Information (ARI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*  
**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:

<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

ADDITIONAL RING INFORMATION (ARI) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. ARI FORM DESCRIPTION	2-1
3. ADDITIONAL RING INFORMATION (ARI) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 CIRCUIT DETAIL SECTION	3-6
3.3 PRIMARY LOCATION SECTION	3-27
3.4 SECONDARY LOCATION SECTION	3-35
3.5 ALPHA/NUMERIC GLOSSARY	3-42
4. ADDITIONAL RING INFORMATION (ARI) FORM NUMBERED	4-1
5. ADDITIONAL RING INFORMATION (ARI) FORM CAMERA READY	5-3

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Additional Ring Information (ARI) Form entries. The ARI Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request and a RING Form containing circuit and location information. The field entries contained within the ARI Form are provided by the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, NC/NCI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. ARI FORM DESCRIPTION**

2.1 All information required for ordering Additional Ring Information is provided in the various fields contained within the ARI Form and the SALI Form. The ARI Circuit Detail Section provides entries for the specification of ordering options. The Location Section provides entries for describing the termination of the ARI.

2.2 A related 9.6 kbs circuit is required for node management options requested in the NMO field.

2.3 Usage rules for Ring Segments are based on either the ASR activity or segment activity. Unless otherwise specified, the usage rules are based upon ASR activity. Valid activity combinations are:

<u>ACT (ASR)</u>	<u>SEGACT (ARI)</u>
N	None
C	N, C, D, R
M	None, RING/ARI not allowed
D	None
T	None, RING/ARI not allowed

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. ADDITIONAL RING INFORMATION (ARI) FORM ENTRIES**

The ARI Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.4. Section 3.5 contains an alphabetic listing of the ARI Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

**2. PON - Purchase Order Number**

Identifies the customer's or end user's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | | |

### **3.2 CIRCUIT DETAIL SECTION**

#### **5. REF NUM - Reference Number**

Identifies the first circuit or segment as a unique number and each additional circuit or circuit segment as a unique number.

**NOTE 1:** The REF NUM is customer assigned and is returned on the confirmation notice to the ordering customer.

**NOTE 2:** Once REF NUM is generated it cannot be changed and is retained through completion of the request.

**NOTE 3:** The values are to be assigned consecutively beginning with "0002". The value "0001" is reserved for the associated service specific form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|2|3

## 6. NC - Network Channel Code

Identifies the network channel code for the circuit(s) involved. The network channel code describes the channel provided by the provider.

**NOTE 1:** The format and structure of this field is defined by ANSI in document TI.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.6.

### **VALID ENTRIES:**

NC Code

**6. NC - Network Channel Code (continued)**

**NOTE 1:** Valid NC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters maximum

**EXAMPLE:** |L|G|C|B|

## 7. **NCI** - Network Channel Interface Code

Identifies the interface characteristics at the interface. The interface being the ACTL/Primary Location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

**NOTE 2:** When the actual number of ports to be activated is different from the protocol options specified in positions 7, 8 and 9 of the NCI Field, refer to PORTS field.

## 7. NCI - Network Channel Interface Code (continued)

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** |0|4|S|O|F|.|U|\_|\_|\_|\_|

**NOTE 1:** This example indicates protocol options for a unidirectional OCN ring.

|0|2|S|M|F|.|B|3|3|\_|\_|

**NOTE 1:** This example indicates protocol options and port allocations for a node on a bidirectional OCN ring.

## 8. **SR** - Special Routing Code

Identifies the type of special routing requested.

### **VALID ENTRIES:**

#### 1<sup>st</sup> character - Primary Location

- D = Route other than normal
- E = Self Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at POP/PRILOC
- L = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

#### 2<sup>nd</sup> character - Interoffice Facility

- 4 = Self Healing Interoffice Facilities
- 5 = Special Routing for Interoffice Facilities
- 6 = Route other than normal
- 7 = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

#### 3<sup>rd</sup> character - Secondary Location

- D = Route other than normal
- E = Self Healing Loop
- F = Alternate Wire Center
- G = Self Healing Loop via Alternate Wire Center
- H = Self Healing Wire Center
- J = Self Healing Alternate Wire Center
- K = Special Routing at SECLOC
- L = Unprotected Transport
- N = N/A
- X = Provider-Engineered/Custom

**8. SR - Special Routing Code (continued)**

**NOTE 1:** Use of Valid Entry "X" is contingent upon the provider offering a provider-engineered/custom option and requires customer/provider negotiation prior to submission of the ASR.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** E|4|K

## 9. **SECNCI** - Secondary Network Channel Interface Code

Identifies the interface characteristics at the secondary location.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for the North American Telecommunications System or by COMMON LANGUAGE in BR-795-403-100. A brief summary of the format can be found in ATIS-0404000 Section 2.14.7.

### **VALID ENTRIES:**

NCI Code

**NOTE 1:** Valid NCI codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N".

**NOTE 2:** Required when the ACT field on the ASR Form is "C" and the SEGACT field is "N" or "C".

**NOTE 3:** Otherwise optional.

**9.** **SECNCI** - Secondary Network Channel Interface Code  
(continued)

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

**EXAMPLES:** |0|4|S|O|F|.|U|\_|\_|\_|\_|\_|\_|

**NOTE 1:** This example indicates protocol options for a unidirectional OCN ring.

|0|2|S|M|F|\_|\_|\_|\_|\_|\_|\_|

**NOTE 1:** This example indicates no protocol for a bi-directional OCN ring.

## 10. **PORTS** - Port Type and Number

Identifies the type and actual quantity of ports being ordered for the Node when different from the protocol options specified in positions 7-9 of the NCI code.

### **VALID ENTRIES:**

Type	
A = DS1	Digital Signal 1.544 Mbps
B = LT1	Digital Signal 1.544 Mbps (Switched)
C = DS3	Digital Signal 44.736 Mbps
D = LT3	Digital Signal 44.736 Mbps (Switched)
E = OC1	Optical Carrier Level 1
F = OC3	Optical Carrier Level 3
G = OC3c	Concatenated Optical Carrier Level 3
H = OC12c	Concatenated Optical Carrier Level 12
I = STS1	Synchronous Transport Signal at Level 1 51.84 Mbps
J = STS3	Synchronous Transport Signal at Level 3
K = STS3c	Concatenated Synchronous Transport Signal at Level 3
L = STS12	Synchronous Transport Signal at Level 12
M = STS12c	Concatenated Synchronous Transport Signal at Level 12
N = VT1.5	Virtual Tributary 1.544 Mbps
O = OC12	Optical Carrier Level 12
P = OC48	Optical Carrier Level 48
Q = OC48c	Concatenated Optical Carrier Level 48
R = STS48	Synchronous Transport Signal at Level 48
S = STS48c	Concatenated Synchronous Transport Signal at Level 48
T = OC192	Optical Carrier Level 192
U = OC192c	Concatenated Optical Carrier Level 192

Port Quantity  
1-999

#### **10. PORTS - Port Type and Number (continued)**

**NOTE 1:** Valid entries consist of one alpha character type followed by 1-3 numeric characters.

**NOTE 2:** Commas separate valid entries.

**NOTE 3:** Certain valid entries for this field may be based upon company specific bandwidth requirements.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the PQPR field is populated, otherwise optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

$|C|3|, |D|3|, |A|1|5|0|, |B|1|8| \quad | \quad | \quad | \quad |$

**11. PQPR - Quantity of Port References (PRILOC)**

Identifies the need for the PORTS CONFIGURATION Form and the associated quantity of PREF values at the PRILOC.

**VALID ENTRIES:**

01 - 99

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ACT field on the ASR Form is "R".

**NOTE 2:** Prohibited when positions 3 and 4 of the NCI field are "SM", "SN", "SP", "SQ" or position 5 of the NCI field is not "F".

**NOTE 3:** Prohibited when the PORTS field is populated.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:** |0|3|

## 12. CFA - Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** – A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**12. CFA - Connecting Facility Assignment (continued)**

**NOTE 2:** Virgules are used as delimiters to separate all elements of the CFA.

**NOTE 3:** All element entries of the CFA are left justified with no trailing spaces.

**NOTE 4:** The Facility Designation portion identifies the FNI of the existing ring which this ordered service will overlay.

**USAGE:** This field is conditional.

**NOTE 1:** Required when overlaying a ring, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLE:** |A|1|8|0|1| / |O|C|1|2| / |1|2|4|1| / |B|S|T|N|

|M|A|G|T|W|0|1| / |B|S|T|N|M|A|M|T|W|0|1|

\_\_\_\_\_

### **13. SEGACT - Segment Activity**

Identifies the activity that is occurring on this segment of the ring.

#### **VALID ENTRIES:**

C = Node allocation change  
D = Disconnect segment  
N = New segment  
R = Recap

**NOTE 1:** Use of "R" is based on customer/provider negotiations.

**NOTE 2:** When disconnecting or adding a segment, SEGACT(s) of "D" must precede SEGACT(s) of "N".

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "C" and a segment is being disconnected, added or reallocated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

**14. INCH - Internodal Channel**

Identifies the type of internodal channel being requested to directly connect two customer premise node locations.

**VALID ENTRIES:**

- A = Both customer premises are normally served by the same Serving Wire Center
- B = Each customer premises may be served by a different Serving Wire Center

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**15. NMO - Node Management Option**

Indicates the node management option requested.

**VALID ENTRIES:**

R = Remove customer reconfiguration  
Y = Install customer reconfiguration

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **16. SPEC - Service and Product Enhancement Code**

Identifies a specific product or service offering.

**NOTE 1:** SPEC may be applicable for circuit level features and options other than those already identified by the Network Channel (NC) and Network Channel Interface (NCI) codes for this node.

**NOTE 2:** Telcordia Technologies, Inc. is the intellectual property owner and administrator of SPEC. The SPEC code structure and use are outlined in Telcordia Technologies special report SR-2491.

### **VALID ENTRIES:**

Positions 1-7 = Any alpha character except "I" or any numeric character except "0".

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters minimum, 7 alpha/numeric characters maximum

**EXAMPLE:** |F|R|D|S|3|2|2|

## 17. **ECCKT** - Exchange Company Circuit ID

Identifies the provider circuit ID.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the ECCKT should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the ECCKT are not populated, the component should be compressed to eliminate any spaces.

### **VALID ENTRIES:**

Facility Identifier

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).

**17. ECCKT - Exchange Company Circuit ID (continued)**

3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**NOTE 1:** Either Location A or Z must be 11 characters.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SEGACT field is "C", "D" or "R".

**NOTE 2:** Required when the SEGACT field is "N" and an ECCKT has been previously provided to the customer.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 36 alpha/numeric characters

**EXAMPLE:** 1|0|3| / |O|C|0|3| / |W|A|S|H|D|C|S|W|W|  
|0|1| / |W|A|S|H|D|C|M|T|W|0|1| | | | |

## **18. CKR - Customer Circuit Reference**

Identifies the circuit number or range of circuit numbers being used by the customer.

**NOTE 1:** CKR is used by the customer as a cross reference to the provider circuit ID(s) and in many cases to identify the customer's end-to-end service.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters

**EXAMPLE:**  $|L|0|0|0|2| - |0|0|2|4|$  | | | | | | | | | |

### 3.3 PRIMARY LOCATION SECTION

#### 19. PRILOC - Primary Location

Identifies the primary end of the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

## 19. PRILOC - Primary Location (continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** The first location of a ring segment could either be a central office node or customer node. A customer node can be either an end user or an ACTL.

### VALID ENTRIES:

<u>PREFIX FOLLOWED BY</u>	<u>DESCRIPTION</u>
C      CLLI Code	Used if PRILOC is a central office node.
E      Blanks	Used if PRILOC is a customer node entered in the EUNAME field on the SALI Form with the PI field of "Y".

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** When an "E" is entered in this field, the pre-assigned CLLI Code should be entered in the SPOT (PRILOC) field.

**NOTE 3:** If the PRILOC is a carrier name and the customer node is an ACTL, the ACTL CLLI Code should be entered in the SPOT (PRILOC) field.

**19. PRILOC - Primary Location (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|W|0|1|

|E| | | | | | | | | | | |

## 20. **SPOT** - Secondary Point of Termination (PRILOC)

This field is used to enter a CLLI Code to identify a physical point of termination at a customer location node.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**20. SPOT - Secondary Point of Termination (PRILOC) (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the primary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 2:** Required when the SEGACT field is “N” or “C”, the primary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** |L|S|A|N|C|A|M|C|F|0|1|

|L|S|A|N|C|A|M|C|W|0|1|

**21. NID - Node Identifier**

Identifies a sequential alpha/numeric assigned by the provider to each node shown as a primary location.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N", "C" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLES:** 0|2

|B|

**22. OTC - Other Exchange Company (Terminating)**

Identifies the provider responsible for delivery of the PRILOC termination in a multi provider service arrangement.

**VALID ENTRIES:**

**COMMON LANGUAGE EC CODE** – A four alpha character code, which identifies providers in North America, maintained by Telcordia Technologies.

**COMMON LANGUAGE EC CODE** – A two alpha character code, which identifies the former Bell companies maintained by Telcordia Technologies.

**COMPANY CODE** – A four alpha numeric/character, code structure assigned and maintained by NECA for North America and certain territories.

**NOTE 1:** Valid EC codes are outlined in Telcordia Technologies practice BR 751-100-112.

**NOTE 2:** Valid Company Codes are available from NECA.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ASC-EC field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**22. OTC - Other Exchange Company (Terminating) (continued)**

**EXAMPLES:**

G	T	P	A
---	---	---	---

2	0	3	4
---	---	---	---

S	W		
---	---	--	--

1	2	A	3
---	---	---	---

### **3.4 SECONDARY LOCATION SECTION**

#### **23. SECLOC - Secondary Location**

Identifies the terminating end of a circuit, a provider end office or the first point of switching for the circuit being provided.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**23. SECLOC - Secondary Location (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** The secondary location of a ring segment which could be either a central office node or customer node. A customer node can be either an end user premise or an ACTL.

**VALID ENTRIES:**

<u>PREFIX</u>	<u>FOLLOWED BY</u>	<u>DESCRIPTION</u>
C	CLLI Code	SECLOC is a central office node
E	End User Name	SECLOC is a customer node

**NOTE 1:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 2:** When an “E” (followed by an End User Name) is entered in this field, the pre-assigned CLLI Code should be entered in the SPOT (SECLOC) field.

**NOTE 3:** If SECLOC is a carrier name and customer node is an ACTL, then ACTL CLLI Code should be entered in the SPOT (SECLOC) field.

**23. SECLOC - Secondary Location (continued)**

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" or "C", otherwise optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLES:** |C|M|I|L|N|T|N|M|A|W|0|1| |

| | | | | | | | | | | | | | | | | | | | | | | | |

|E|X|Y|Z| |C|O|R|P|O|R|A|T|

|I|O|N| | | | | | | | | | | | |

**24. SPOT - Secondary Location Point of Termination (SECLOC)**

This field is used to enter a CLLI Code to identify a physical point of termination at a customer location node.

**NOTE 1:** When the entry in this field contains a CLLI Code, the format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**24. SPOT** - Secondary Location Point of Termination (SECLOC)  
(continued)

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is “N”, the secondary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 2:** Required when the SEGACT field is “N” or “C”, the secondary point of termination is at a customer node and the provider has pre-assigned the CLLI Code.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLES:** [L|S|A|N|C|A|M|C|F|0|1]

[L|S|A|N|C|A|M|C|W|0|1]

**25. PNO - Premises Node Owner**

Identifies which entity is supplying the premises node to terminate OC3, OC12, or OC48 and other optical speeds at a customer premises or central office.

**VALID ENTRIES:**

C = Customer (Carrier)  
E = End User Customer  
T = Telephone Company

**NOTE 1:** A valid entry of "T" is required if the secondary location is a central office location and collocation does not exist.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SEGACT field is "N", otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**26. REMARKS - Remarks**

Identifies a free flowing field which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

### **3.5 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference glossary of the Additional Ring Information (ARI) Form fields.

ARI FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
CFA	12	Connecting Facility Assignment
CKR	18	Customer Circuit Reference
ECCKT	17	Exchange Company Circuit ID
INCH	14	Internodal Channel
NC	6	Network Channel Code
NCI	7	Network Channel Interface Code
NID	21	Node Identifier
NMO	15	Node Management Option
OTC	22	Other Exchange Company (Terminating)
PNO	25	Premises Node Owner
PON	2	Purchase Order Number
PORTS	10	Port Type and Number
PQPR	11	Quantity of Ports References (PRILOC)
PRILOC	19	Primary Location
REF NUM	5	Reference Number
REMARKS	26	Remarks
SECLOC	23	Secondary Location
SECNCI	9	Secondary Network Channel Interface Code
SEGACT	13	Segment Activity
SPEC	16	Service and Product Enhancement Code
SPOT	20	Secondary Location Point of Termination (PRILOC)
SPOT	24	Secondary Location Point of Termination (SECLOC)
SR	8	Special Routing Code
VER	3	Version Identification

#### **4. ADDITIONAL RING INFORMATION (ARI) FORM NUMBERED**

V50  
03/15

(Insert Your Company Logo Here)

## Additional Ring Information

---

**Administrative Section** CCNA PON VER ASR NO  
|1| |2| |3| |4|

### Circuit Detail

REF NUM	NC	NCI	SR	SECNCI	PORTS	PQPR
5	6	7	8	9	10	11
CFA					SEGACT	INCH
12					13	15
ECCKT						16
17						
CKR						
18						

## **Primary Location Section**

## **Secondary Location Section**

SECLOC SPOT PNO  
2 3 2 4 25

---

**REMARKS**

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. ADDITIONAL RING INFORMATION (ARI) FORM CAMERA READY**

(Insert Your Company Logo Here)

## Additional Ring Information

V50  
03/15

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO										
<b>Circuit Detail</b>															
REF NUM	NC	NCI	SR	SECNCI	PORTS					PQPR					
					SEGACT		INCH	NMO	SPEC						
CFA															
ECKKT															
CKR															
<b>Primary Location Section</b>															
PRILOC	SPOT	NID	OTC												
<b>Secondary Location Section</b>															
SECLOC	SPOT	PNO													
<b>REMARKS</b>															

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404023-0050**

**Virtual Connection (VC) Form  
Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404023-0050  
Virtual Connection (VC) Form Preparation Guide - Access Service Ordering Guidelines  
(ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

VIRTUAL CONNECTION FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. VC FORM DESCRIPTION	2-1
3. VIRTUAL CONNECTION (VC) FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
3.2 VIRTUAL CIRCUIT DETAIL SECTION	3-6
3.3 RELATED CIRCUIT DETAIL SECTION	3-35
3.4 ALPHA/NUMERIC GLOSSARY	3-56
4. VIRTUAL CONNECTION (VC) FORM NUMBERED	4-1
5. VIRTUAL CONNECTION (VC) FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Virtual Connection (VC) Form entries. The VC Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request and a service specific (Transport or EUSA) form.

The VC Form contains four sections: Administrative, Virtual Circuit Detail, Related Circuit Detail and Remarks. The Administrative Section relates the VC Form to the ASR. The Virtual Circuit Detail Section carries the information specific to the primary end point. The Related Circuit Detail Section contains information specific to the secondary end point. The Remarks Section is used for additional narrative information. The field entries contained within the VC Form are provided by the customer.

1.2 This practice is issued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on provider tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on customer/provider negotiations; therefore, use of either the field or valid entries within the field is based on customer/provider negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 2. VC FORM DESCRIPTION

2.1 All information required for ordering virtual connection services is provided in the various fields contained within the VC Form. The Virtual Circuit Detail Section provides entries for the specification of ordering options. The Related Circuit Detail Section provides entries for describing the information related to establishing the physical connection associated with the VC order.

2.2 Usage rules for virtual connections are based upon virtual connection activity and not upon the ASR activity field. Valid activity combinations are:

<u>ACT (ASR)</u>	<u>VCACT (VC)</u>
------------------	-------------------

N	N, K
C	N, C, D, K
M	if UNI, "C" or "R"
D	D
R	R
T	if UNI, "C" or "N"

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. VIRTUAL CONNECTION (VC) FORM ENTRIES**

The VC Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to the field definitions in Sections 3.1 - 3.3. Section 3.4 contains an alphabetic listing of the VC Form fields cross referenced to the field numbers depicted in the numbered form.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:**

U	T	C
---	---	---

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |C|U|S|T|O|M|E|R|Z|O|O|-|1|2|3|\_|

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This entry must be identical to the ASR VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** 3|1|2|3|4|5|6|7|8|9|1|1| | | | | | |

### **3.2 VIRTUAL CIRCUIT DETAIL SECTION**

#### **5. VC NUM - Virtual Connection Number**

Identifies each VC as a unique number.

**NOTE 1:** The VC NUM is customer assigned and is returned on the confirmation notice to the ordering customer.

**NOTE 2:** Once VC NUM is generated it can not be changed and is retained through completion of the request.

**NOTE 3:** The values are to be assigned consecutively beginning with "0001" and incrementing by one for each additional VC.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|0|0|3

## 6. **VCACT - VC Activity Indicator**

Identifies the type of activity associated with the VC.

### **VALID ENTRIES:**

C = Change  
D = Disconnect  
K = Cancel  
N = New  
R = Record Activity

**NOTE 1:** Valid entry of "K" is not permitted on initial issuance of request.

**NOTE 2:** Valid entry of "K" is not permitted when all VCs are being canceled.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** N

## 7. **VST - Virtual Service Translations**

Identifies the type of broadband service translation being requested.

### **VALID ENTRIES:**

- A = Frame Relay to ATM
- B = ATM to Frame Relay
- C = Frame Relay to ATM to Frame Relay

**NOTE 1:** When the VST field is blank, the entry in the BSC field on the Transport or EUSA Form will identify the type of virtual service translation being requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when requesting broadband service translations from one broadband service category to another and the VCACT field is "N", "C" or "R", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** B

## 8. **DLCI** - Data Link Connection Identifier

Identifies the logical connection between the provider's switch and the circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "F" and the VCACT field is "C" "D" or "R".

**NOTE 2:** Required when the VST field is "A", or "C" and the VCACT field is "C", or "R".

**NOTE 3:** Prohibited when the BSC field on the EUSA or Transport Form is "C".

**NOTE 4:** Prohibited when VST field is "B".

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

1	6		
---	---	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**9. CIR - Committed Information Rate**

Identifies the rate of ingress traffic across the circuit under normal conditions.

**VALID ENTRIES:**

Valid CIR expressed in either kilobit (K) or megabits (M).

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is “F” and the VCACT field is “N”, “C” or “R”.

**NOTE 2:** Required when the VST field is “A”, or “C” and the VCACT field is “N”, “C”, or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha /numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:** |1|6|K| | | |

|1|0|8|0|8|M|

|1|0|.|8|0|8|M|

## 10. **Bc** - Committed Burst Size

Identifies the maximum amount of data that a user is permitted to offer to the network during time interval (Tc) across the circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 2:** Optional when the VST field is “A” or “C”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

3	2	K				
---	---	---	--	--	--	--

1	0	8	0	8	M	
---	---	---	---	---	---	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

## 11. **B<sub>e</sub>** - Excess Burst Size

Identifies the maximum amount of data that a user is permitted to offer to the network that exceeds B<sub>c</sub> during time interval (T<sub>c</sub>) across the circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 2:** Optional when the VST field is “A” or “C”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

3	2	K				
---	---	---	--	--	--	--

1	0	8	0	8	M	
---	---	---	---	---	---	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

## 12. **PSPEED** - Port Speed

Identifies the speed of the port.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

5	6	K				
---	---	---	--	--	--	--

1	.	5	4	4	M	
---	---	---	---	---	---	--

4	4	.	7	3	6	M
---	---	---	---	---	---	---

### 13. **SCCT** - Service Category

Identifies the class of cell relay (ATM) service requested.

#### **VALID ENTRIES:**

- A = Available Bit Rate (ABR)
- B = Constant Bit Rate (CBR)
- C = Non Real-time Variable Bit Rate (NRTVBR)
- D = Real-time Variable Bit Rate (RTVBR)
- E = Unspecified Bit Rate

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is “C” and the VCACT field is “N”.

**NOTE 2:** Required when the VST field is “B” and the VCACT field is “N”.

**NOTE 3:** Prohibited when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 4:** Prohibited when the VST field is “A” or “C”.

**NOTE 5:** Prohibited when the VCACT field is “C”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

#### **14. PCR - Peak Cell Rate**

Identifies the highest continuous cell rate expected across the virtual connection.

##### **VALID ENTRIES:**

Position 1

A = 0 (highest continuous cell rate of high priority cells)  
B = 0+1 (highest continuous cell rate of all cells [i.e., of high and low priority])

Positions 2 - 8

Peak cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is “C” and the VCACT field is “N”.

**NOTE 2:** Required when the VST field is “B” and the VCACT field is “N”.

**NOTE 3:** Prohibited when the BSC field on the EUSA Transport Form is “F”.

**NOTE 4:** Prohibited when the VST field is “A” or “C”.

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** |A|1|5|4|4|0|0|0|

## 15. SCR - Sustained Cell Rate

Identifies the highest sustained cell rate expected across this virtual connection.

### **VALID ENTRIES:**

Position 1

A = 0 (highest continuous cell rate of high priority cells)  
B = 0+1 (highest continuous cell rate of all cells [i.e., of high and low priority])

Positions 2 - 8

Sustained cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is “C”, the VCACT field is “N” and the SCCT field is “A”, “C” or “D”.

**NOTE 2:** Required when the VST field is “B”, the VCACT field is “N” and the SCCT field is “A”, “C” or “D”.

**NOTE 3:** Prohibited when the SCCT field is “B” or “E”.

**NOTE 4:** Prohibited when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 5:** Prohibited when the VST field is “A” or “C”.

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:**

A	1	0	0	0	0	0	0
---	---	---	---	---	---	---	---

## **16. MCR - Minimum Cell Rate**

Identifies the virtual connection speed at or below which no cells should be discarded due to network traffic.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when SCCT field is "A", otherwise prohibited.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLE:** 1|2|8|0|0|0|0

## 17. **MBS - Maximum Burst Size**

Identifies the maximum burst size capable across this virtual connection.

### **VALID ENTRIES:**

Position 1

A = 0 (maximum burst size of high priority cells)

B = 0+1 (maximum burst size of all cells [i.e., of high and low priority])

Positions 2 - 8

Maximum cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Optional when SCCT field is "C" or "D", otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** A|1|5|4|4|0|0|0

**18. CTYP - Connection Type**

Identifies the type of cell relay (ATM) virtual connection requested.

**VALID ENTRIES:**

C = Virtual channel  
P = Virtual path

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "C" and the VCACT field is "N".

**NOTE 2:** Required when the VST field is "B" and the VCACT field is "N".

**NOTE 3:** Prohibited when the BSC field on the EUSA or Transport Form is "F".

**NOTE 4:** Prohibited when the VST field is "A" or "C".

**NOTE 5:** Prohibited when the VCACT field is "C".

**NOTE 6:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## 19. VPI - Virtual Path Identifier

Identifies the logical connection address between the provider's switch and the circuit for the virtual path requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "C" and the VCACT field is "D" or "R" and the CTYP field is "P".

**NOTE 2:** Required when the VST field is "B" and the VCACT field is "D" or "R" and the CTYP field is "P".

**NOTE 3:** Prohibited when the BSC field on the EUSA or Transport Form is "F".

**NOTE 4:** Prohibited when the VST field is "A" or "C".

**NOTE 5:** Prohibited when the VCACT field is "C".

**NOTE 6:** Required when the VCI field is populated.

**NOTE 7:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**   6  2  3  

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 20. VCI - Virtual Circuit Identifier

Identifies the logical connection address between the provider's switch and the circuit for the virtual circuit requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "C" and the VCACT field is "D" or "R" and the CTYP field is "C".

**NOTE 2:** Required when the VST field is "B" and the VCACT field is "D" or "R" and the CTYP field is "C".

**NOTE 3:** Prohibited when the BSC field on the EUSA or Transport Form is "F".

**NOTE 4:** Prohibited when the VST field is "A" or "C".

**NOTE 5:** Prohibited when the VCACT field is "C".

**NOTE 6:** Prohibited when the CTYP field is "P".

**NOTE 7:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLE:** 6|3|0|\_|\_

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**21. IBS - Incremental Base Speed**

Identifies the incremental cell transfer rate speed selected for the port.

**VALID ENTRIES:**

Valid IBS expressed in either kilobit (K) or megabits (M).

**NOTE 1:** The value in this field times the value in the QIBS field must be less than or equal to the value in the PSPEED field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SCCT is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha /numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:** | 6 | 4 | K | | | |

| 1 | M | | | | |

**22. QIBS - Quantity Incremental Base Speed**

Identifies the quantity of increments associated with the cell transfer rate speed selected for the port and designated in the IBS field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IBS field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLES:** 2|0

  |1

### **23. VCID - Virtual Circuit Indicator**

Identifies the customer assigned virtual circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the VCACT field is “C”, otherwise optional.

**DATA CHARACTERISTICS:** 31 alpha/numeric characters

**EXAMPLE:**    | 2 | 1 | 1 | 3 | 1 | 2 | 1 | 0 |    |    |    |    |    |    |

## **24. VPID - Virtual Path Indicator**

Identifies the customer assigned virtual path.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the BSC field on the EUSA or Transport Form is "F".

**NOTE 2:** Prohibited when the VST field is “A” or “C”.

**NOTE 3:** Prohibited when the VCACT field is “C”.

**NOTE 4:** Otherwise optional.

**DATA CHARACTERISTICS:** 31 alpha/numeric characters

**EXAMPLE:** | 3 | 6 | 2 | 1 | 4 | 2 | 1 | 0 | | | | | | | |

**25. CDVT - Cell Delay Variation Tolerance**

Identifies the allowable tolerance (measured in microseconds) prior to error correction.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when SCCT field is “B” or “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |8|0|0|

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**26. CDV - Cell Delay Variation**

Identifies the variance in the cell delivery rate over time.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when SCCT field is “B” or “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:**

1	5	0							
---	---	---	--	--	--	--	--	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**27. TAG - Tagging**

Identifies the customers requested cell loss priority.

**VALID ENTRIES:**

T = Tag for discard

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the BSC field on the EUSA or Transport Form is "F".

**NOTE 2:** Prohibited when the VST field is "A" or "C".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **28. VCVTA - Virtual Connection Variable Term Agreement**

Identifies the duration, identifying USOC, contract date or contract identification number of any variable term agreement that may be offered by a provider for a virtual connection.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when NVC field on the EUSA or Transport Form is greater than one (1) and the VCVTA field on the ASR Form is blank, otherwise prohibited.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** | 3 | N | C | O | R | | | | | | | | | | | | | | | |

**29. EP - End Point**

Identifies the end point being requested in a Priority 3 Virtual Connection service arrangement composed of three end user designated locations.

**VALID ENTRIES:**

A = Pivot  
B = Primary  
C = Secondary

**NOTE 1:** The entry in this field must be different than the REP field.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the PRID field is “3”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

**30. PRID - Priority Indicator**

Identifies a request for Priority Service.

**VALID ENTRIES:**

- 1 = Priority 1
- 2 = Priority 2
- 3 = Priority 3
- 4 = Real Time Permanent Virtual Circuit (PVC)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the BSC field on the EUSA or Transport Form is "C", otherwise optional.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

### **31. CDOM – Customer Domain Name**

Identifies the host name/domain of the customer's network device.

**NOTE 1:** This field is applicable when DSL is routed over ATM.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the Transport or the EUSA Form is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters.

**EXAMPLES:** |A|O|L| . |C|O|M| | | | | | | | | | | | | | | |

|S|P|R|I|N|T|.C|O|M| | | | | | | | | | | | | |

### **32. CPER – L2TP Peer Name**

Identifies the name of the network device at the customer's location.

**NOTE 1:** This field is applicable when DSL is routed over ATM.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the Transport or the EUSA Form is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 20 alpha/numeric characters.

**EXAMPLES:** |M|C|I|R|E|D|B|A|C|K| | | | | | | | | |

**33. ITPW – ISP Tunnel Password**

Identifies the secure password for the ISP Tunnel.

**NOTE 1:** This field is applicable when DSL is routed over ATM.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the Transport or the EUSA Form is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 10 alpha/numeric characters.

**EXAMPLES:**

1	2	6	7	8	4				
---	---	---	---	---	---	--	--	--	--

A	2	6	7	8	4				
---	---	---	---	---	---	--	--	--	--

### **3.3 RELATED CIRCUIT DETAIL SECTION**

#### **34. RPON - Related Purchase Order Number**

Identifies the PON, which is establishing the physical connection for this end of the VC.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RECKKT and RORD fields are not populated, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters.

**EXAMPLE:** |C|U|S|T|O|M|E|R|Z|O|O| - |4|5|6| |

**35. RECKT - Related Exchange Company Circuit Identification**

Identifies the related provider's physical circuit ID against which the VC activity is requested.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RPON and RORD fields are not populated, otherwise optional.

**DATA CHARACTERISTICS:** 53 alpha/numeric characters.

**EXAMPLE:** | 1 | 0 | 1 | / | T | 1 | / | M | H | V | L | N | J | 9 | 9 | W | 0 | 1 | / | N |

W|R|K|N|J|1|0|D|S|1| | | | | | | | | | | | | | | | |

**36. RORD - Related Order Number**

Identifies the provider's order number that is establishing the physical link.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RECCKT and RPON fields are not populated, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters maximum

**EXAMPLE:** | N | 1 | 2 | 3 | 1 | 2 | 3 | A | | | | | | | | |

**37. RDLCI - Related Data Link Connection Identifier**

Identifies the logical connection address between the provider's switch and the related circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "F", the VCACT field is "C", "D" or "R" and the VST field is not populated.

**NOTE 2:** Required when the VST field is "B" and the VCACT field is "C" or "R".

**NOTE 3:** Prohibited when the VST field is "A" or "C".

**NOTE 4:** Prohibited when the BSC field on the EUSA or Transport Form is "C" and VST field is not populated.

**NOTE 5:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

1	7		
---	---	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**38. RCIR - Related Committed Information Rate**

Identifies the rate of ingress traffic across the related circuit under normal conditions.

**NOTE 1:** This field applies to asymmetrical virtual connections.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is “F” and the VCACT field is “N” “C” or “R”, and the entry in this field differs from the CIR field.

**NOTE 2:** Required when the VST field is “B” and the VCACT field is “N”, “C” or “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha /numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

1	6	K				
---	---	---	--	--	--	--

1	0	8	0	8	M	
---	---	---	---	---	---	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

**39. RBc - Related Committed Burst Size**

Identifies the maximum amount of data that a user is permitted to offer to the network during time interval (Tc) across the related circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 2:** Optional when the VST field is “B”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

3	2	K				
---	---	---	--	--	--	--

1	0	8	0	8	M	
---	---	---	---	---	---	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

#### 40. **RBe** - Related Excess Burst Size

Identifies the maximum amount of data that a user is permitted to offer to the network that exceeds Bc during time interval (Tc) across the related circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the BSC field on the EUSA or Transport Form is “F”.

**NOTE 2:** Optional when the VST field is “B”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

2	4	K				
---	---	---	--	--	--	--

1	0	8	0	8	M	
---	---	---	---	---	---	--

1	0	.	8	0	8	M
---	---	---	---	---	---	---

**41. RACNA - Related Access Customer Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer who should receive the bill for the related circuit.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This code is established prior to the submission of the ASR.

**NOTE 3:** Billing to be rendered to an end user that does not have an IAC code is specified with an entry of “ZZZ”. When utilizing “ZZZ”, the Bill Section of the ASR Form should be completed with the end user billing information.

**VALID ENTRIES:**

IAC Code

ZZZ = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field differs from the ACNA field on the ASR Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** A|B|C

**42. RPSPEED - Related Port Speed**

Identifies the speed of the port of the related circuit.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 7 alpha/numeric characters

**NOTE 1:** The last character of this entry is always expressed in megabits (M) or kilobits (K).

**EXAMPLES:**

5	6	K				
---	---	---	--	--	--	--

1	.	5	5	M		
---	---	---	---	---	--	--

**43. RSCCT - Related Service Category**

Identifies the related class of cell relay (ATM) service requested.

**NOTE 1:** This field applies to asymmetrical virtual services.

**VALID ENTRIES:**

- A = Available Bit Rate (ABR)
- B = Constant Bit Rate (CBR)
- C = Non Real-time Variable Bit Rate (NRTVBR)
- D = Real-time Variable Bit Rate (RTVBR)
- E = Unspecified Bit Rate (UBR)

**USAGE:** This field is conditional.

**NOTE 1:** Required when entry in this field differs from the SCCT field, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |A|

**44. RPCR - Related Peak Cell Rate**

Identifies the highest continuous cell rate expected across the related circuit.

**NOTE 1:** This field applies to asymmetrical virtual services.

**VALID ENTRIES:**

Position 1

A = 0 (highest continuous cell rate of high priority cells)  
B = 0+1 (highest continuous cell rate of all cells [i.e., of high and low priority])

Positions 2 - 8

Peak cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field differs from the PCR field, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:**

A	1	5	4	4	0	0	0
---	---	---	---	---	---	---	---

**45. RSCR - Related Sustained Cell Rate**

Identifies the highest sustained cell rate expected across the related circuit under normal conditions.

**NOTE 1:** This field applies to asymmetrical virtual services.

**VALID ENTRIES:**

Position 1

A = 0 (highest continuous cell rate of high priority cells)  
B = 0+1 (highest continuous cell rate of all cells [i.e., of high and low priority])

Positions 2 - 8

Sustained cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field differs from the SCR field, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:**

A	1	0	0	0	0	0	0
---	---	---	---	---	---	---	---

**46. RMCR - Related Minimum Cell Rate**

Identifies the virtual connection speed across the related circuit at or below which no cells should be discarded due to network traffic.

**NOTE 1:** This field applies to asymmetrical virtual services.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field differs from the MCR field, otherwise prohibited.

**DATA CHARACTERISTICS:** 7 numeric characters

**EXAMPLE:** 6|4|0|0|0| | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**47. RMBS - Related Maximum Burst Size**

Identifies the maximum burst size capable across this virtual connection.

**NOTE 1:** This field applies to asymmetrical virtual services.

**VALID ENTRIES:**

Position 1

A = 0 (maximum burst size of high priority cells)

B = 0+1 (maximum burst size of all cells [i.e., of high and low priority])

Positions 2 - 8

Maximum cell rate requested

**USAGE:** This field is conditional.

**NOTE 1:** Required when the entry in this field differs from the MBS field, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:**

A	2	0	0				
---	---	---	---	--	--	--	--

**48. RVPI - Related Virtual Path Identifier**

Identifies the logical connection address between the provider's switch and the related circuit for the virtual path requested.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the BSC field on the EUSA or Transport Form is "F" and the VST field is not populated.

**NOTE 2:** Prohibited when the VST field is "B".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

9	7		
---	---	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**49. RVCI - Related Virtual Circuit Identifier**

Identifies the logical connection address between the provider's switch and the related circuit for the virtual circuit requested.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the BSC field on the EUSA or Transport Form is "F" and the VST field is not populated.

**NOTE 2:** Prohibited when the VST field is "B".

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 5 numeric characters

**EXAMPLES:**

6	3	0	1	1
---	---	---	---	---

6	3			
---	---	--	--	--

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

## 50. **RCDVT** - Related Cell Delay Variation Tolerance

Identifies the allowable tolerance (measured in microseconds [sec]) prior to error correction.

**NOTE 1:** This field applies to asymmetrical virtual services.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "C" and this field differs from the CDVT field.

**NOTE 2:** Required when the VST field is "A" or "C".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**   5  0  0  

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**51. REP - Related End Point**

Identifies the related end point being requested in a Priority 3 Virtual Connection service arrangement composed of three end user designated locations.

**VALID ENTRIES:**

A = Pivot  
B = Primary  
C = Secondary

**NOTE 1:** The entry in this field must be different than the EP field.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the EP field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**52. RCDV - Related Cell Delay Variation**

Identifies the variance in the cell delivery rate over time.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BSC field on the EUSA or Transport Form is "C" and this field differs from the CDV field.

**NOTE 2:** Required when the VST field is "A" or "C".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:** 1|8|0| | | | | | |

**NOTE 1:** This example illustrates a numeric value but is left justified since it is treated as text.

**53.      REMARKS - Remarks**

Identifies a free flowing field, which can be used to expand upon and clarify other data on this form.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 124 alpha/numeric characters

**54. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:** PG|\_|1|of|\_|9|0|

### **3.4 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference of the Virtual Connection Form fields.

VC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
Bc	10	Committed Burst Size
Be	11	Excess Burst Size
CCNA	1	Customer Carrier Name Abbreviation
CDOM	31	Customer Domain Name
CDV	26	Cell Delay Variation
CDVT	25	Cell Delay Variation Tolerance
CIR	9	Committed Information Rate
CPER	32	L2TP Peer Name
CTYP	18	Connection Type
DLCI	8	Data Link Connection Identifier
EP	29	End Point
IBS	21	Incremental Base Speed
ITPW	33	ISP Tunnel Password
MBS	17	Maximum Burst Size
MCR	16	Maximum Cell Rate
PCR	14	Peak Cell Rate
PG_of_	54	Page_of_
PON	2	Purchase Order Number
PRID	30	Priority Indicator
PSPEED	12	Port Speed
QIBS	22	Quantity Incremental Base Speed
RACNA	41	Related Access Customer Name Abbreviation
RBc	39	Related Committed Burst Size
RBe	40	Related Excess Burst Size
RCDV	52	Related Cell Delay Variation
RCDVT	50	Related Cell Delay Variation Tolerance
RCIR	38	Related Committed Information Rate
RDLCI	37	Related Data Link Connection Identifier

## VC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
RECCKT	35	Related Exchange Company Circuit Identification
REMARKS	53	Remarks
REP	51	Related End Point
RMBS	47	Related Maximum Burst Size
RMCR	46	Related Maximum Cell Rate
RORD	36	Related Order Number
RPCR	44	Related Peak Cell Rate
RPON	34	Related Purchase Order Number
RPSPEED	42	Related Port Speed
RSCCT	43	Related Service Category
RSCR	45	Related Sustained Cell Rate
RVCI	49	Related Virtual Circuit Identifier
RVPI	48	Related Virtual Path Identifier
SCCT	13	Service Category
SCR	15	Sustained Cell Rate
TAG	27	Tagging
VC NUM	5	Virtual Connection Number
VCACT	6	Virtual Circuit Activity Indicator
VCI	20	Virtual Circuit Identifier
VCID	23	Virtual Circuit Indicator
VCVTA	28	Virtual Connection Variable Term Agreement
VER	3	Version Identification
VPI	19	Virtual Path Identifier
VPID	24	Virtual Path Indicator
VST	7	Virtual Service Translations

**THIS PAGE INTENTIONALLY LEFT BLANK.**

#### 4. VIRTUAL CONNECTION (VC) FORM NUMBERED

V50  
03/15

(Insert Your Company Logo Here)

#### Virtual Connection

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO																								
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]
<b>Virtual Circuit Detail Section</b>																													
VC NUM	VACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR																			
[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]																			
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID																						
[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]																						
VPID	CDVT	CDV	TAG	VCVTA	EP	RVID																							
[24]	[25]	[26]	[#]	[28]	[29]	[30]																							
CDOM	CPER	ITPW																											
[31]	[32]	[33]																											
<b>Related Circuit Detail Section</b>																													
RPON	RECCKT																												
[34]	[35]																												
RORD	RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR																					
[36]	[37]	[38]	[39]	[40]	[41]	[42]	[#]	[44]																					
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV																						
[45]	[46]	[47]	[48]	[49]	[50]	[51]	[52]																						
<b>Virtual Circuit Detail Section</b>																													
VC NUM	VACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR																			
[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]																			
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID																						
[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]																						
VPID	CDVT	CDV	TAG	VCVTA	EP	RVID																							
[24]	[25]	[26]	[#]	[28]	[#]	[#]																							
CDOM	CPER	ITPW																											
[31]	[32]	[33]																											
<b>Related Circuit Detail Section</b>																													
RPON	RECCKT																												
[34]	[35]																												
RORD	RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR																					
[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]																					
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV																						
[45]	[46]	[47]	[48]	[49]	[50]	[51]	[52]																						
<b>REMARKS</b>																													
[53]																													
																								PG	OF				
																								[54]					

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## 5. VIRTUAL CONNECTION (VC) FORM CAMERA READY

(Insert Your Company Logo Here)

### Virtual Connection

V50  
03/15

<b>Administrative Section</b>		CCNA	PON	VER	ASR NO										
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
<b>Virtual Circuit Detail Section</b>															
VC NUM	VC ACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
VPID				CDVT	CDV		TAG	VCVTA			EP	RPID			
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			
CDOM		CPER			ITPW										
<b>Related Circuit Detail Section</b>															
RPON	RECKT														
<input type="checkbox"/>	<input type="checkbox"/>														
RORD	RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>Virtual Circuit Detail Section</b>															
VC NUM	VC ACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
VPID				CDVT	CDV		TAG	VCVTA			EP	RPID			
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			
CDOM		CPER		ITPW											
<b>Related Circuit Detail Section</b>															
RPON	RECKT														
<input type="checkbox"/>	<input type="checkbox"/>														
RORD	RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
<b>REMARKS</b>															
<input type="checkbox"/>															
<input type="checkbox"/>															
PG <input type="checkbox"/> OF <input type="checkbox"/>															

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404024-0050**

**Network Assignment Information (NAI)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404024-0050

Network Assignment Information (NAI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>"

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

NETWORK ASSIGNMENT INFORMATION (NAI) FORM  
PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. GENERAL	1-1
2. NETWORK ASSIGNMENT INFORMATION FORM DESCRIPTION	2-1
3. NETWORK ASSIGNMENT INFORMATION (NAI) REQUEST FORM ENTRIES	3-2
3.1 ADMINISTRATIVE SECTION	3-3
3.2 ALTERNATE SERVICE DETAIL SECTION	3-8
3.3 CIRCUIT DETAIL SECTION	3-12
3.4 ALPHA/NUMERIC GLOSSARY	3-46
4. NETWORK ASSIGNMENT INFORMATION FORM NUMBERED	4-1
5. NETWORK ASSIGNMENT INFORMATION FORM CAMERA READY	5-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Network Information (NAI) Form entries. The NAI request must always be associated with an ASR which contains administrative and bill detail necessary for the provisioning of the request and a service specific form containing circuit and location information. The field entries contained within the NAI Form are populated by the customer.

1.2 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.3 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries: within the field is based on provider tariffs/practices. The use of this practice is optional.

1.4 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on provider/customer negotiations, use of either the field or valid entries: within the field is based on provider/customer negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. NETWORK ASSIGNMENT INFORMATION FORM DESCRIPTION**

2.1 The Network Assignment Information (NAI) Form is used when the customer is providing intermediate connecting facility assignment(s), alternate facility/alternate ACTL and/or drop port equipment assignment(s) information.

2.2 The NAI Form is always associated with one of the following service specific forms:

- FGA Request
- Trunking Request
- Transport Request
  - Includes Broadband Services
- End User Special Access Request
  - Includes Broadband End User Services
- Ring Request

2.3 The NAI and MSL Forms are mutually exclusive for the life of the ASR.

2.4 The NAI and ACI Forms must be used together when the quantity of circuits being ordered is greater than one (1) and/or QACI is populated.

When only one circuit is ordered the NAI Form may be used and the REF NUM (0001) will be assumed by virtue of the service specific form.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

### **3. NETWORK ASSIGNMENT INFORMATION (NAI) REQUEST FORM ENTRIES**

The NAI Form with each of the entry fields numbered is depicted in Section 4 of this practice. These numbers correspond to field definitions in Sections 3.1 - 3.3. Section 3.4 contains an alphabetic listing of the NAI Form fields cross referenced to the field numbers depicted in the numbered form. The NAI Form contains two identical Circuit Detail Sections (fields 11 through 27).

### **3.1 ADMINISTRATIVE SECTION**

The Administrative Section contains four fields that are applicable to the two Circuit Detail Sections.

#### **1. CCNA - Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN) Form.

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C

**2. PON - Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** The PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** The VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### 4. **ASR NO** - Access Service Request Number

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** This ASR NO field entry must be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ASR NO field is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:**

3	1	2	3	4	5	6	7	8	9	0	1					
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

**5. PG\_of\_ - Page\_of\_**

Identifies the page number and total number of pages contained in this transaction.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** PG   |1|of|1|3|

### **3.2 ALTERNATE SERVICE DETAIL SECTION**

These fields are used to identify alternate facility and engineering details.

#### **6. AFACTL - Alternate Facility Access Customer Terminal Location**

Identifies the CLLI Code of the customer InterLATA facility terminal location for the DS1 facility being ordered.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.253, Identification of Location Entities for the North American Telecommunications System. The CLLI Code consists of the following elements:

1. **Geographical Code** – Positions 1 through 4 describe the designation for a single geographical locality within a state, province, territory, country, or distinct region of the world (e.g., municipality) (4 alpha characters).
2. **Geopolitical Code** – Positions 5 and 6 describe the designation of a state or territory of the United States, a province or territory of Canada, another country having a national federal government, or a unique designation (2 alpha characters).
3. **Network Site Code** – Positions 7 and 8 describe the designation of a site of an existing or proposed structure within a geographical location where there is a need to identify one or more telecommunications equipment entities, facility terminations, nodal locations, or administrative operations (2 alpha or 2 numeric characters).

**6. AFACTL - Alternate Facility Access Customer Terminal Location (continued)**

4. **Network Entity Code** – Positions 9 through 11 describe the functional category of equipment or work center that is contained in a structure. Equipment categories, including central office switching and ancillary equipment or non-switching or access terminations, are associated with a building or network site for purposes of maintaining equipment inventories and for identifying facility and circuit terminations and nodal locations (3 alpha/numeric characters).

**NOTE 2:** Valid CLLI Codes are outlined in Telcordia Technologies practice BR 795-(100-186)-100.

**NOTE 3:** If the customer does not have a CLLI Code for a particular AFACTL, the provider may secure a code and provide it to the customer prior to the submission of any requests.

**NOTE 4:** This field will carry the CLLI Code assigned for the location. The precise usage of the field by the provider will result from negotiation between the provider and the customer.

**NOTE 5:** The AFACTL code is an 11 character CLLI Code designed for the identification of location entities for all services. The first 8 characters may represent a building location. The 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> characters identify a specific customer.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is “M”, otherwise prohibited.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** M|I|L|N|T|N|M|A|W|O|1|

## 7. **ACFA** - Alternate Connecting Facility Assignment

Identifies the provider carrier system and channel to be used from a Wideband Analog, a High Capacity or an Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Alternate Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

## **7. ACFA - Alternate Connecting Facility Assignment (continued)**

**NOTE 2:** Virgules are used as delimiters to separate all elements of the ACFA.

**NOTE 3:** All element entries of the ACFA are left justified with no trailing spaces.

**NOTE 4:** This field is not to be used to designate the facility that terminates at the ACTL and/or SECLOC. The CFA and SCFA fields will be used for these situations.

**NOTE 5:** May also identify a high capacity system which has been ordered by an end user or another customer.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

### **3.3 CIRCUIT DETAIL SECTION**

#### **8. REF NUM - Reference Number**

Identifies the first circuit or segment as a unique number and each additional circuit or circuit segment as a unique number.

**NOTE 1:** When the quantity is equal to one (1) and the NAI Form is utilized, the REF NUM value will be “0001” and is associated with the service specific form.

**NOTE 2:** The REF NUM shown on the ACI/ARI Form must match the REF NUM on this form for those circuits where the customer is providing assignment of facilities and/or equipment.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** |0|0|2|3|

## 9. **DPEAA** - Drop Port Equipment Assignment A Location

Identifies physical drop ports and/or equipment at the entry point of the provider's network when the customer has assignment control. The DPEAA identification consists of the following elements:

1. **CLLI** - Identifies the location assigned according to the code set found in Telcordia Practice BR 795-100-100 (8 or 11 alpha/numeric characters).
2. **NODE** - Identifies a location at which there are one or more Interconnected Synchronous Digital Equipment(s) controlled by single BITS clock (2 alpha/numeric characters).
3. **RELAY RACK** - Identifies the CLEI-Frame Identification Codes (floor, lineup, and bay location) of the equipment in a building as outlined in Telcordia Practice BR 751-100-785 (10 alpha/numeric characters).
4. **CLEI** - Identifies the standard representations of equipment in a uniform, concise function oriented format, as defined in Telcordia Practice BR 795-200-000 (10 alpha/numeric characters).
5. **Complement Number One (1)** - Identifies a starting number assignment of the equipment sequence (Variable length, 1-6 alpha/numeric characters).
6. **Delimiter** - A hyphen will be used to separate Complement Number One (1) and Complement Number Two (2) when assignments are ranged (1 alpha/numeric character).

**9. DPEAA - Drop Port Equipment Assignment A Location**  
(continued)

7. **Complement Number Two (2)** - Identifies the ending number assignment of equipment sequence, when sequential assignments are being made (variable length 1-6 alpha/numeric characters).

**NOTE 1:** Virgules (/) are used as delimiters to separate all elements of the DPEAA, except ranging of assignments which utilize a hyphen between Complement Number One (1) and Complement Number Two (2).

**NOTE 2:** The DPEAA data will have been previously designated by the provider and must be provided when the customer has assignment control.

**NOTE 3:** All element entries of the DPEAA are left justified with no trailing spaces.

**NOTE 4:** When a complement of DPEAA is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 50 alpha/numeric characters

**9. DPEAA - Drop Port Equipment Assignment A Location**  
(continued)

**EXAMPLES:** |C|H|C|G|I|L|F|R| / |0|0| / |0|3|0|3|3|.|0|2|

| / |S|N|M|S|B|R|A|2|R|A| / |1|0|1|1| | | | |

| | | | | | | | | |

|C|H|C|G|I|L|F|R|H|0|1| / | / |0|3|0|3|0|3|.|

|0|2|0| / |S|N|M|S|B|R|A|2|R|A| / |1|0|1|1| | | | |

| | | | | | | | | |

|C|H|C|G|I|L|F|R|H|0|1| / | / |0|3|0|3|0|3|.|

|0|2|0| / |S|N|M|S|B|R|A|2|R|A| / |T|1|G|1|1|

|1| - |T|1|G|1|1|2| | |

**NOTE 1:** The third example indicates the proper format when sequential assignments are made.

## 10. **VTIA** - Virtual Termination Identifier A

Identifies the virtual assignments used in conjunction with the Complement Number One (1) element within the DPEAA field.

### **VALID ENTRIES:**

Position 1 = 1 - 7  
Position 2 = 1 - 4  
Position 3 = preprinted hyphen  
Position 4 = 1 - 7  
Position 5 = 1 - 4

**NOTE 1:** The first and fourth positions identify the Virtual Tributary Groups (VTG).

**NOTE 2:** The second and fifth positions identify the Virtual Tributary (VT).

**NOTE 3:** The fourth and fifth positions are only used when sequential assignments are being made.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the DPEAA field is populated and the Complement Two (2) element is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters  
(Including one preprinted hyphen)

**EXAMPLES:**

1	4	-	7	4
---	---	---	---	---

1	4	-		
---	---	---	--	--

**11. FNIA - Fiber Network Identification A**

Identifies all services associated with a particular fiber based network with a Drop Port Equipment Assignment at location A (DPEAA).

**VALID ENTRIES:**

Valid Fiber Network Identification

**NOTE 1:** The Fiber Network Identification data is assigned by the provider prior to the submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the DPEAA field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

N	1	2	3	4	5
---	---	---	---	---	---

## 12. **DPEAZ** - Drop Port Equipment Assignment Z Location

Identifies physical drop ports and/or equipment at the entry point of the provider's network when the customer has assignment control. The DPEAZ identification consists of the following elements:

1. **CLLI** - Identifies the location assigned according to the code set found in Telcordia Practice BR 795-100-100 (8 or 11 alpha/numeric characters).
2. **NODE** - Identifies a location at which there are one or more Interconnected Synchronous Digital Equipment(s) controlled by single BITS clock (2 alpha/numeric characters).
3. **RELAY RACK** - Identifies the CLEI-Frame Identification Codes (floor, lineup, and bay location) of the equipment in a building as outlined in Telcordia Practice BR 751-100-785 (10 alpha/numeric characters).
4. **CLEI** - Identifies the standard representations of equipment in a uniform, concise function oriented format, as defined in Telcordia Practice BR 795-200-000 (10 alpha/numeric characters).
5. **Complement Number One (1)** - Identifies a starting number assignment of the equipment sequence (Variable length, 1-6 alpha/numeric characters).
6. **Delimiter** - A hyphen will be used to separate Complement Number One (1) and Complement Number Two (2) when assignments are ranged (1 alpha/numeric character).

**12. DPEAZ - Drop Port Equipment Assignment Z Location**  
(continued)

7. **Complement Number Two (2)** - Identifies the ending number assignment of equipment sequence, when sequential assignments are being made (variable length 1-6 alpha/numeric characters).

**NOTE 1:** Virgules (/) are used as delimiters to separate all elements of the DPEAZ, except ranging of assignments which utilize a hyphen between Complement Number One (1) and Complement Number Two (2).

**NOTE 2:** The DPEAZ data will have been previously designated by the provider and must be provided when the customer has assignment control.

**NOTE 3:** All element entries of the DPEAZ are left justified with no trailing spaces.

**NOTE 4:** When a complement of DPEAZ is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 50 alpha/numeric characters

**12. DPEAZ - Drop Port Equipment Assignment Z Location**  
(continued)

**EXAMPLES:** |C|H|C|G|I|L|F|R| / |0|0| / |0|3|0|3|0|. |2|0|

| / |S|N|M|S|B|R|A|2|R|A| / |1|0|1|1| | | | |

| | | | | | | | | |

|C|H|C|G|I|L|F|R|H|0|1| / | / |0|3|0|3|0|3|. |

|0|2|0| / |S|N|M|S|B|R|A|2|R|A| / |1|0|1|1| | | | |

| | | | | | | | | |

|C|H|C|G|I|L|F|R|H|0|1| / | / |0|3|0|3|0|3|. |

|0|2|0| / |S|N|M|S|B|R|A|2|R|A| / |T|1|G|1|1|

|1| - |T|1|G|1|1|2| | |

**NOTE 1:** The third example indicates the proper format when sequential assignments are made.

### 13. **VTIZ** - Virtual Termination Identifier Z

Identifies the virtual assignments used in conjunction with the Complement Number One (1) element within the DPEAZ field.

#### **VALID ENTRIES:**

Position 1 = 1 - 7  
Position 2 = 1 - 4  
Position 3 = preprinted hyphen  
Position 4 = 1 - 7  
Position 5 = 1 - 4

**NOTE 1:** The first and fourth positions identify the Virtual Tributary Groups (VTG).

**NOTE 2:** The second and fifth positions identify the Virtual Tributary (VT).

**NOTE 3:** The fourth and fifth positions are only used when sequential assignments are being made.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the DPEAZ field is populated and the Complement Two (2) element is not populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters  
(Including one preprinted hyphen)

**EXAMPLE:**

1	4	-	7	4
---	---	---	---	---

1	4	-		
---	---	---	--	--

**14. FNIZ - Fiber Network Identification Z**

Identifies all services associated with a particular fiber based network with a Drop Port Equipment Assignment at location Z (DPEAZ).

**VALID ENTRIES:**

Valid Fiber Network Identification

**NOTE 1:** The Fiber Network Identification data is assigned by the provider prior to the submission of the ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the DPEAZ field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**

N	1	2	3	4	5
---	---	---	---	---	---

## 15. **ICFA1** - Intermediate Connecting Facility Assignment One (1)

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or an Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Intermediate Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).
5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**15. ICFA1 - Intermediate Connecting Facility Assignment One (1)**  
(continued)

**NOTE 2:** Virgules are used as delimiters to separate all elements of the ICFA(n).

**NOTE 3:** All element entries of the ICFA(n) are left justified with no trailing spaces.

**NOTE 4:** The ICFA(n)s must be in sequence with the configuration of the circuit.

**NOTE 5:** This field is not to be used to designate the facility that terminates at the ACTL/PRILOC and/or SECLOC. The CFA and SCFA fields will be used for these situations.

**NOTE 6:** May also identify a high capacity system that has been ordered by an end user or another customer.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 1 | / | T | 3 | / | 3 | / | B | S | T | N | M | A | G | T | / | B | S |

| 1 | 0 | 1 | / | T | 1 | / | 1 | - | 2 | 4 | / | B | S | T | N | M | A | G | T |  
| / | B | S | T | N | M | A | M | T | K | 3 | 1 | | | | | | | | | | | | | | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **16. ICFAU1 - ICFA1 Use**

Identifies the ICFA1 as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "A", "L" or "M" and the ICFA1 is a provider carrier system.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "E", "R", "S", "V" or "X", the NC code on the service specific form does not specify a virtual concatenation service and the ICFA1 is a provider carrier system.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**17. DIR1 - Directionality One (1)**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the ICFA1 field and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ICFA1 field and the CFA field on the Trunking, Transport, EUSA, Ring, or ARI Forms are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 1

**18. IFNI1 – Intermediate Fiber Network Identification One (1)**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring, the UNE field on the ASR Form is not populated and the ICFA1 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:**

N	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

W	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

## 19. **ICFA2** - Intermediate Connecting Facility Assignment Two (2)

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or an Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Intermediate Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**19. ICFA2 - Intermediate Connecting Facility Assignment Two (2)**  
(continued)

5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**NOTE 2:** Virgules are used as delimiters to separate all elements of the ICFA(n).

**NOTE 3:** All element entries of the ICFA(n) are left justified with no trailing spaces.

**NOTE 4:** The ICFA(n)s must be in sequence with the configuration of the circuit.

**NOTE 5:** This field is not to be used to designate the facility that terminates at the ACTL/PRILOC and/or SECLOC. The CFA and SCFA fields will be used for these situations.

**NOTE 6:** May also identify a high capacity system that has been ordered by an end user or another customer.

**19. ICFA2 - Intermediate Connecting Facility Assignment Two (2)**  
(continued)

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the ICFA1 field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 1 | / | T | 3 | / | 3 | / | B | S | T | N | M | A | G | T | / | B | S |

| T | N | M | A | M | T | K | 3 | 1 |   |   |   |   |   |   |   |

1

| 1 | 0 | 1 | / | T | 1 | / | 1 | - | 2 | 4 | / | B | S | T | N | M | A | G | T |

| / | B | S | T | N | M | A | M | T | K | 3 | 1 | | | | | | | |

1

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **20. ICFAU2 - ICFA2 Use**

Identifies the ICFA2 as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "A", "L" or "M" and the ICFA2 is a provider carrier system.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "E", "R", "S", "V" or "X", the NC code on the service specific form does not specify a virtual concatenation service and the ICFA2 is a provider carrier system.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**21. DIR2 - Directionality Two (2)**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the ICFA2 field and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ICFA2 field and the CFA field on the Trunking, Transport, EUSA, Ring, or ARI Forms are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**22. IFNI2 – Intermediate Fiber Network Identification Two (2)**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring, the UNE field on the ASR Form is not populated and the ICFA2 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:**

N	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

W	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

**23. ICFA3 - Intermediate Connecting Facility Assignment Three (3)**

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or an Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Intermediate Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**23. ICFA3 - Intermediate Connecting Facility Assignment Three (3)**  
(continued)

5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**NOTE 2:** Virgules are used as delimiters to separate all elements of the ICFA(n).

**NOTE 3:** All element entries of the ICFA(n) are left justified with no trailing spaces.

**NOTE 4:** The ICFA(n)s must be in sequence with the Configuration of the circuit.

**NOTE 5:** This field is not to be used to designate the facility that terminates at the ACTL/PRILOC and/or SECLOC. The CFA and SCFA fields will be used for these situations.

**NOTE 6:** May also identify a high capacity system that has been ordered by an end user or another customer.

**USAGE:** This field is conditional.

**23. ICFA3 - Intermediate Connecting Facility Assignment Three (3)**  
**(continued)**

**NOTE 1:** Prohibited when the ICFA2 field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 1 | / | T | 3 | / | 3 | / | B | S | T | N | M | A | G | T | / | B | S |

| T | N | M | A | M | T | K | 3 | 1 | | | | | | | | | | | | | | | | | | |

| | | |

| 1 | 0 | 1 | / | T | 1 | / | 1 | - | 2 | 4 | / | B | S | T | N | M | A | G | T |

/ B S T N M A M T K 3 1 | | | | | | | |

10 of 10

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **24. ICFAU3 - ICFA3 Use**

Identifies the ICFA3 as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "A", "L" or "M" and the ICFA3 is a provider carrier system.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "E", "R", "S", "V" or "X", the NC code on the service specific form does not specify a virtual concatenation service and the ICFA3 is a provider carrier system.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**25. DIR3 - Directionality Three (3)**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the ICFA3 field and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ICFA3 field and the CFA field on the Trunking, Transport, EUSA, Ring, or ARI Forms are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**26. IFNI3 – Intermediate Fiber Network Identification Three (3)**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring, the UNE field on the ASR Form is not populated and the ICFA3 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:**

N	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

W	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

## 27. **ICFA4** - Intermediate Connecting Facility Assignment Four (4)

Identifies the provider carrier system and channel to be used from a Wideband Analog, High Capacity or an Optical Network facility when the customer has assignment control.

**NOTE 1:** The format and structure of this field is defined by ANSI in document T1.238, Structure for the Identification of Telecommunications Facilities for the North American Telecommunications System. The Intermediate Connecting Facility Assignment consists of the following elements:

1. **Facility Designation** - A code that, for a specific type of facility, uniquely identifies a path between two network nodes (1-5 alpha/numeric characters).
2. **Facility Type** - A code that describes a type of facility when it is other than a single baseband channel on cable. Valid entries are outlined in Telcordia Technologies practice BR 795-450-100 (1-6 alpha/numeric characters).
3. **Channel/Pair/Time Slot** - A code that identifies a specific assignable portion of a facility (1-5 alpha/numeric characters).
4. **Location A** - A standardized code that uniquely identifies the location of facility terminal A, which has the lower in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**27. ICFA4** - Intermediate Connecting Facility Assignment Four (4)  
(continued)

5. **Location Z** - A standardized code that uniquely identifies the location of facility terminal Z, which has the higher in alpha/numeric sequence of the two facility location codes. Valid entries are outlined in Telcordia Technologies practice BR 795-(100-186)-100 (8 or 11 alpha/numeric characters).

**NOTE 2:** Virgules are used as delimiters to separate all elements of the ICFA(n).

**NOTE 3:** All element entries of the ICFA(n) are left justified with no trailing spaces.

**NOTE 4:** The ICFA(n)s must be in sequence with the configuration of the circuit.

**NOTE 5:** This field is not to be used to designate the facility that terminates at the ACTL/PRILOC and/or SECLOC. The CFA and SCFA fields will be used for these situations.

**NOTE 6:** May also identify a high capacity system that has been ordered by an end user or another customer.

**USAGE:** This field is conditional.

**27. ICFA4** - Intermediate Connecting Facility Assignment Four (4)  
(continued)

**NOTE 1:** Prohibited when the ICFA3 field is not populated, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**EXAMPLES:** | 1 | 0 | 1 | / | T | 3 | / | 3 | / | B | S | T | N | M | A | G | T | / | B | S |

| T | N | M | A | M | T | K | 3 | 1 | | | | | | | | | | | | | | | | | | |

| | | |

1|0|1|/|T|1|/|1|-|2|4|/|B|S|T|N|M|A|G|T|  
|/|B|S|T|N|M|A|M|T|K|3|1| | | | | | | | | | | | |

**NOTE 1:** The second example indicates the proper format for ranging channel assignments.

## **28. ICFAU4 - ICFA4 Use**

Identifies the ICFA4 as a provider carrier system.

### **VALID ENTRIES:**

Y = Provider carrier system

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "A", "L" or "M" and the ICFA4 is a provider carrier system.

**NOTE 2:** Optional when the first position of the REQTYP field on the ASR Form is "E", "R", "S", "V" or "X", the NC code on the service specific form does not specify a virtual concatenation service and the ICFA4 is a provider carrier system.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**29. DIR4 - Directionality Four (4)**

Identifies the direction of the circuit's path when it ingresses (enters) on a bi-directional dedicated DWDM/SONET/OTN Ring identified in the ICFA4 field and the customer has assignment control.

**VALID ENTRIES:**

- 1 = High speed group side one
- 2 = High speed group side two
- 3 = High speed group side one and two-simultaneous

**NOTE 1:** The definition of side 1 and side 2 valid entries is based on customer and provider negotiations.

**NOTE 2:** An entry of "3" is only valid when the FNT field on the ASR Form is "B" or "C".

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the ICFA4 field and the CFA field on the Trunking, Transport, EUSA, Ring, or ARI Forms are populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

**30. IFNI4 – Intermediate Fiber Network Identification Four (4)**

Identifies all services associated with a particular fiber based network. Also may identify customer ring and associated ring services.

**NOTE 1:** The Fiber Network Identification data will be assigned by the provider.

**VALID ENTRIES:**

Valid Fiber Network Identification

**USAGE:** This field is conditional.

**NOTE 1:** Required for services riding a dedicated ring, the UNE field on the ASR Form is not populated and the ICFA4 field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLES:**

N	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

W	1	2	3	4	5							
---	---	---	---	---	---	--	--	--	--	--	--	--

### **3.4 ALPHA/NUMERIC GLOSSARY**

The following table is an alpha/numeric cross-reference of the Network Assignment Information Form fields.

NAI FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACFA	7	Alternate Connecting Facility Assignment
AFACTL	6	Alternate Facility Access Customer Terminal Location
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
DIR1	17	Directionality One (1)
DIR2	21	Directionality Two (2)
DIR3	25	Directionality Three (3)
DIR4	29	Directionality Four (4)
DPEAA	9	Drop Port Equipment Assignment A Location
DPEAZ	12	Drop Port Equipment Assignment Z Location
FNIA	11	Fiber Network Identification A
FNIZ	14	Fiber Network Identification Z
ICFA1	15	Intermediate Connecting Facility Assignment One (1)
ICFA2	19	Intermediate Connecting Facility Assignment Two (2)
ICFA3	23	Intermediate Connecting Facility Assignment Three (3)
ICFA4	27	Intermediate Connecting Facility Assignment Four (4)
ICFAU1	16	ICFA1 Use
ICFAU2	20	ICFA2 Use
ICFAU3	24	ICFA3 Use
ICFAU4	28	ICFA4 Use

NAI FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
IFNI1	18	Intermediate Fiber Network Identification One (1)
IFNI2	22	Intermediate Fiber Network Identification Two (2)
IFNI3	26	Intermediate Fiber Network Identification Three (3)
IFNI4	30	Intermediate Fiber Network Identification Four (4)
PG_of_	5	Page_of_
PON	2	Purchase Order Number
REF NUM	8	Reference Number
VER	3	Version Identification
VTIA	10	Virtual Termination Identifier A
VTIZ	13	Virtual Termination Identifier Z

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**4. NETWORK ASSIGNMENT INFORMATION FORM NUMBERED**

(Insert Your Company Logo Here)

# Network Assignment Information Form

V50  
03/15

## **Administrative Section**

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	

## **Alternate Service Detail Section**

AFACTL	ACFA
[6]	[7]

## Circuit Detail Section

REF NUM  
8 [ ] [ ]

The diagram illustrates the genomic organization of four genes: ICFA1, ICFAU1, DIR1, and IFNI1. Each gene is shown as a horizontal bar representing its chromosomal location, with vertical boxes indicating the positions and sizes of its exons. ICFA1 spans approximately 11 kb and contains 11 exons. ICFAU1 spans approximately 16 kb and contains 16 exons. DIR1 spans approximately 17 kb and contains 17 exons. IFNI1 spans approximately 18 kb and contains 18 exons.

The diagram illustrates the genomic organization of four genes: ICFA3, ICFAU3, DIR3, and IFNI3. ICFA3 is shown with exons 2 and 3. ICFAU3 is shown with exon 24. DIR3 is shown with exon 25. IFNI3 is shown with exons 2 and 6.

Genomic map showing the location of ICFA4, ICFAU4, DIR4, and IFN14 genes on a chromosome. ICFA4 is at position 27, ICFAU4 is at 28, DIR4 is at 29, and IFN14 is at 30.

REF NUM  
8 [ ] [ ]

DPEAA VTIA FNIA  
| 9 | 10 | - | 11 |

DPEAZ VTIZ FNIZ  
1 2 | - | 1 3 | - | 1 4 |

ICFA1 | 1 5 | ICFAU1 | 16 | DIR1 | 17 | IFN1 | 1 8 |

ICFA2 | 19 | DIR2 | IFN12 | 21 | 22 |

ICFA3 | ICFA U3 | DIR3 | IFN3  
2|3 | 24 | 25 | 2|6

The figure displays four genomic tracks for the genes ICFA4, ICFAU4, DIR4, and IFNI4. Each track shows the genomic context with exons as vertical bars and introns as the intervening spaces. The tracks are arranged horizontally, with ICFA4 on the far left and IFNI4 on the far right.

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.

Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**

**5. NETWORK ASSIGNMENT INFORMATION FORM CAMERA READY**

(Insert Your Company Logo Here)

# **Network Assignment Information Form**

V50  
03/15

## **Administrative Section**

CCNA	PON	VER	ASR NO	PG	OF
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

## **Alternate Service Detail Section**

The diagram illustrates two memory regions. The first region, labeled AFAC TL, is represented by a horizontal bar with vertical tick marks. The second region, labeled ACFA, is also represented by a horizontal bar with vertical tick marks. The bars are positioned side-by-side.

## Circuit Detail Section

REF NUM																	VTIA					FNIA
DPEAA																						
DPEAZ																						
ICFA1																	ICFAU1	DIR1	IFNI1			
ICFA2																	ICFAU2	DIR2	IFNI2			
ICFA3																	ICFAU3	DIR3	IFNI3			
ICFA4																	ICFAU4	DIR4	IFNI4			

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions. Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.

Telephone number: 202-628-6380; e-mail: copyright@atis.org

**THIS PAGE INTENTIONALLY LEFT BLANK.**



ATIS STANDARD

**ATIS-0404025-0050**

**Enhanced Customer Interface (ECI)  
Form Preparation Guide  
Access Service Ordering Guidelines (ASOG)  
Industry Support Interface**

**Version 50**



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). ATIS is the North American Organizational Partner for the 3<sup>rd</sup> Generation Partnership Project (3GPP), a founding Partner of oneM2M, a member and major U.S. contributor to the International Telecommunication Union (ITU) Radio and Telecommunications sectors, and a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

---

ATIS – 0404025-0050  
Enhanced Customer Interface (ECI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

*Published by*

**Alliance for Telecommunications Industry Solutions**  
**1200 G Street, NW, Suite 500**  
**Washington, DC 20005**

**Copyright © 2015** by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at <<http://www.atis.org>>.

*Limited Exception for “Customized” Forms.* In recognition of the business needs and processes implemented by companies throughout the industry, ATIS grants the following limited exception to the copyright policy. The forms contained within, once “Customized,” may be reproduced, distributed and used by an individual or company provided that the following is placed on all “Customized” forms:

"This form/screen is based upon the Ordering and Billing Forum's (OBF) industry consensus approved guidelines, found in the Access Service Ordering Guidelines (ASOG) document. The ASOG may be obtained by contacting the Alliance for Telecommunications Industry Solutions (ATIS) at 1-800-387-2199 or:  
<http://www.atis.org/docstore/default.aspx>."

For purposes of this limited exception, the term "Customized" means, the modification, by a company, of an ASOG form to be issued to a trading partner to make it company specific by, for example, adding a company logo, graying-out optional fields not required by that specific issuing company, and converting into an electronic format/screen. This limited exception does not affect the ASOG document itself which remains copyrighted and may not be reproduced in whole or part.

Telcordia Technologies, Inc. was formerly known as Bell Communications Research, Inc. or Bellcore. Portions of this document, previously published by Bellcore, may still reflect the former name as it was embedded in the documentation under a prior license from the owners of the BELL trademark, which license has now expired. The use of this name does not suggest that Telcordia Technologies has licensed the names BELL, Bell Communications Research, or Bellcore for new uses or that the owners of the BELL trademark sponsor, endorse or are affiliated with Telcordia Technologies or its products.

Printed in the United States of America.

#### **Notice of Disclaimer and Limitation of Liability**

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

---

COMPANY SPECIFIC ECI ACCESS SERVICE REQUEST FORM &  
COMPANY SPECIFIC ECI ACCESS SERVICE  
CONFIRMATION FORM PREPARATION GUIDE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
<b>ACCESS SERVICE REQUEST (ASR) SECTION</b>	
1. GENERAL	1-1
2. ENHANCED CUSTOMER INTERFACE	2-1
2.1 ASR REVISION PROCESS – NATIONAL CHANGES	2-1
2.2 ASR REVISION PROCESS – COMPANY SPECIFIC CHANGES	2-1
3. COMPANY SPECIFIC ECI ACCESS SERVICE REQUEST FORM ENTRIES	3-1
3.1 ADMINISTRATIVE SECTION	3-2
4. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL)	4-1
4.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1)	4-2
4.2 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 2)	4-105
5. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST CIRCUIT LEVEL)	5-1
5.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST CIRCUIT LEVEL)	5-2
6. ALPHA/NUMERIC GLOSSARY	6-1
7. COMPANY SPECIFIC ECI ACCESS SERVICE CONFIRMATION FORM DESCRIPTION	7-1
7.1 ADMINISTRATIVE SECTION	7-2
8. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION ASR LEVEL)	8-1
8.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION ASR LEVEL)	8-2
9. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION CIRCUIT LEVEL)	9-1
9.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION CIRCUIT LEVEL)	9-2
10. ALPHA/NUMERIC GLOSSARY	10-1
11. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM NUMBERED	11-1
12. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM CAMERA READY	12-1

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **1. GENERAL**

1.1 This guide describes the Company Specific ECI Access Service record description and form entries. The Access Service form must always be associated with an ASR Form, which contains administrative and bill detail necessary for the provisioning of this request. The field entries contained within the Access Service form are provided by the customer.

This guide describes the Company Specific ECI Access Service Confirmation record description and form entries. The Access Service Confirmation is prepared by the provider and is forwarded to the customer.

1.2 This practice is reissued to clarify current definitions as recommended by users of this practice. Additions, deletions and significant changes are summarized in the synopsis of changes.

1.3 The Access Service Request does not convey licensing rights to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the Access Service Request in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee per their COMMON LANGUAGE contract.

1.4 Options described in this practice may not be applicable to individual provider tariffs; therefore, use of either the field or valid entries within the field is based on providers' tariffs/practices.

1.5 Use of certain other non-tariffed items/administrative type data, such as metric date formats, ranging within data elements, certain date fields, etc. are based on provider/customer negotiations; therefore, use of either the field or valid entries within the field is based on provider/customer negotiations.

---

COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **2. ENHANCED CUSTOMER INTERFACE**

The Enhanced Customer Interface (ECI) is a process that enables customers and providers to communicate data elements that are either not national in scope or that require a turn around time sooner than the ASR process allows. The process for utilizing the ECI is described in the following paragraphs.

### **2.1 ASR REVISION PROCESS – NATIONAL CHANGES**

National changes are defined as Access Service Ordering Guideline (ASOG) affecting changes reflected in the ATIS/OBF-ASR-XXX series. The national change process is outlined in the OBF ASR Committee New Issue Lifecycle Process (NILP) located on each Committee working document web site page and the Mechanization Specifications (ATIS/OBF-ASR-041).

### **2.2 ASR REVISION PROCESS – COMPANY SPECIFIC CHANGES**

Company specific changes are defined as either:

- Establishment of specific fields to accommodate local provider/customer negotiated items.
- Interim company specific implementation of changes prior to the scheduled national implementation date.

All company specific changes may be requested by the customers or providers, regardless of whether or not they affect mechanization. The use of the ECI Company Specific records will be negotiated on a provider/customer basis.

When it is necessary for a provider or customer to establish a company specific field to accommodate new requirements or unique service offerings, a common ECI record will be maintained to specify the additions or changes. Field positions will be assigned on an as needed basis to the originator requesting the assignment. The ECI company specific record position assignments will be maintained by the ATIS OBF Manager.

## SEQUENCE OF EVENTS FOR NEW AND CHANGE REQUESTS:

The requesting company's representative will provide the following information to the ATIS OBF Manager:

- Prepare the ECI Request Form which includes the following:
  - Field Name & Tag Name
  - Field Length
  - Type of Change
  - Level (ASR or Circuit)
  - Feed (Provider to customer, Customer to provider or both)
  - Description of change (for change requests only)
- Data element page and include requesting company information next to Position information

The ATIS OBF Manager will:

- Review information for completeness and accuracy
- Provide byte and record assignments on ECI Request Form (new request only)
- Forward all information to the requesting company's representative and to the Committee Administrator

The requesting company's representative will:

- Update the data element page
- Modify the appropriate Index Page
- Prepare the tracking form
- Package data element page, index, ECI Request Form and tracking form and provide copies to the Committee Administrator for distribution with the agenda package or to the committee members if the agenda package has already been distributed

The committee will:

- Incorporate newly assigned byte assignments into the working document ATIS-0404025-0050

The Committee Administrator will:

- Maintain the ECI Practice Update/Review as a permanent agenda item
- The data element page will be included in the ECI practice (ATIS-0404025-0050) until it is to be removed

#### SEQUENCE OF EVENTS FOR REMOVAL REQUESTS:

The original requesting company's representative is responsible for requesting removal or ownership change of an ECI Byte, and will provide the following information to the Committee Administrator:

- Prepare the ECI Request Form which includes the following:
  - Field Name & Tag Name
  - Field Length
  - Type of change: Remove
  - Record Type
  - Level (ASR or Circuit)
  - Feed (Provider to customer, customer to provider or both)
  - Current position numbers
- Data element page
- Appropriate Index page
- Tracking form
- Package data element page, index and ECI Request Form & provide copies to the Committee Administrator for distribution with the agenda package. If the agenda package has already been distributed, the originator would distribute a copy to the committee members.

The committee members will:

- Review the material and determine if they use the field and would like for it to remain
- Be prepared to accept ownership of the field if the field is still needed by their company

The original requesting company's representative will:

- Present the ECI request at the next OBF
- Determine if the field is being used and ownership should change (If companies have not completed their research, the removal of the field can be held back for one more OBF)
- Or obtain concurrence to remove the field
- Forward the ECI request form with the final resolutions, delete or ownership change, to the ATIS OBF Manager

Note: ECI request does not require an OBF Issue Identification Form. In the event an ECI request is included in an issue, it is still necessary to prepare the ECI Request Form and forward it to the ATIS OBF Manager for processing. ATIS OBF Manager will not see the actual issue. (e.g., clean up of ASOG 025 section that removed and changed numerous fields)

### **3. COMPANY SPECIFIC ECI ACCESS SERVICE REQUEST FORM ENTRIES**

3.1 All information required for ordering company specific data is provided for in the various fields contained within the Company Specific ECI Access Service Request Form.

3.2 The Company Specific ECI Access Service Request Form with each of the entry fields numbered is depicted in Section 11. These numbers correspond to field definitions in Section 3.1. Section 6.0 contains an alphabetic listing of the fields cross-referenced to the field numbers depicted in Section 11.

### **3.1 ADMINISTRATIVE SECTION**

#### **1. CCNA – Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN).

**NOTE 1:** The format and structure of this field is defined by ANSI in document ATIS-0300251 Codes for Identification of Service Providers for Information Exchange.

**NOTE 2:** This entry must be identical to the CCNA field on the ASR Form.

#### **VALID ENTRIES:**

IAC Code

CUS = Casual customer or end user billing

**NOTE 1:** Valid IAC codes are maintained by Telcordia Technologies.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|C

**2. PON – Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | |

**3. VER - Version Identification**

Identifies the customer version number.

**NOTE 1:** This VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** [A ]

**4. ASR NO - Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** The ASR NO field entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

**THIS PAGE INTENTIONALLY LEFT BLANK**

#### **4. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL)**

This section contains the record layout forms associated with the Company Specific Access Service Request ASR level data. ASR level data applies unilaterally to all services on the access service request.

The intent of the forms is to depict the current field assignments. These records will be maintained by the OBF Committee through the ATIS OBF Manager. Fields will be assigned in sequential order.

Section 4.1 describes the current Company Specific ECI Record (Access Service Request ASR Level Record 1) and Section 4.2 describes the current Company Specific ECI Record (Access Service Request ASR Level Record 2).

**NOTE:** Record Positions 1 -> 100 will be used for control data information. Company Specific Access Service Request ASR level data will begin at Record Position 101.

## **4.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1)**

### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
ABC	101-120	Access Billing Choices
CO	135-138	Central Office Announcement
CHPD	139	Call History Package Delivery
NSLB	140	Notification of Subscriber Line Break
TS ACT	141	Transit Signaling Activity
TPNA	142-144	Third Party Name Abbreviation
OPACT1	145	Originating Point Code Activity
OPACT2	146	Originating Point Code Activity
OPACT3	147	Originating Point Code Activity
OPACT4	148	Originating Point Code Activity
OPACT5	149	Originating Point Code Activity
OPACT6	150	Originating Point Code Activity
OPACT7	151	Originating Point Code Activity
OPACT8	152	Originating Point Code Activity
OPACT9	153	Originating Point Code Activity
DPACT1	154	Destination Point Code Activity
DPACT2	155	Destination Point Code Activity
DPACT3	156	Destination Point Code Activity
DPACT4	157	Destination Point Code Activity
DPACT5	158	Destination Point Code Activity
DPACT6	159	Destination Point Code Activity
DPACT7	160	Destination Point Code Activity
DPACT8	161	Destination Point Code Activity
DPACT9	162	Destination Point Code Activity
NON-SUB	163	Non Presubscription
VTA2	270-286	Variable Term Agreement (Two)
VTA3	287-303	Variable Term Agreement (Three)
CFA2	304-345	Interim Connecting Facility Assignment (Two)
CFA3	346-387	Interim Connecting Facility Assignment (Three)
CFA4	388-429	Interim Connecting Facility Assignment (Four)

#### **4.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1) (continued)**

##### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
RPON2	430-445	Related Purchase Order Number (Two)
RPON3	446-461	Related Purchase Order Number (Three)
RPON4	462-477	Related Purchase Order Number (Four)
SAL	484-486	Service Assurance Level
CBO	487	Cellular Billing Option
NSB	488	Non-Specified Bridging
ODID	490-493	Out Bound Dial Number
SST	500-502	Start Signaling Tone
TPL	503-506	Trunk Pulsing
STN	508-519	Screening Telephone Number
RC6BX	520-522	Recording Number Blocks
NOJA1	523-525	Number of Reserved Number Blocks
DIDR2	526-550	Direct Inward Dial Number Range
DIDR3	551-575	Direct Inward Dial Number Range
DIDR4	576-600	Direct Inward Dial Number Range
DIDR5	601-625	Direct Inward Dial Number Range
P8J	626-628	Page 800 Lines
P8K	629-631	Page 800 Lines
P8L	632-634	Page 800 Lines
VEN	635-640	Vendor Number
DIST	641-672	Distribution Name
FBAN	673-684	Facility Billing Account Number
FCUS	685-687	Facility Customer Code

#### **4.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1) (continued)**

##### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
TGN	739-742	Trunk Group Number
RTI	743-746	Route Index Number
EOI	758	End Office Integration
NUMP	759-761	Number Portability
SS7UB	762-763	Signaling System 7 Unbundled
TOGP	764-778	Toggable Parameter
AECN	779-810	Alternate Exchange Carrier Name
TPTGN	811-814	Tandem Provider Trunk Group
TIA	815	Trunk Interconnection Arrangement
MPON	816-831	Master Purchase Order Number
ICNI	832-834	IntelliMux Customer Network Identification
TRS	835	Telecommunications Relay Service
BTN	841-850	Billing Telephone Number
USDO2	855-856	Dial Out Pulsing Options
SAED	865-872	Specialized Arrangement Expiration Date
SAI	873-880	Specialized Arrangement Identifier
TRANS	881	Transmission Type
OPC1	882-896	Originating Point Code
OPC2	897-911	Originating Point Code
OPC3	912-926	Originating Point Code
OPC4	927-941	Originating Point Code
OPC5	942-956	Originating Point Code
OPC6	957-971	Originating Point Code
OPC7	972-986	Originating Point Code
OPC8	987-1001	Originating Point Code
OPC9	1002-1016	Originating Point Code
DPC1	1017-1031	Destination Point Code
DPC2	1032-1046	Destination Point Code
DPC3	1047-1061	Destination Point Code

**4.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1) (continued)**

**INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
DPC4	1062-1076	Destination Point Code
DPC5	1077-1091	Destination Point Code
DPC6	1092-1106	Destination Point Code
DPC7	1107-1121	Destination Point Code
DPC8	1122-1136	Destination Point Code
DPC9	1137-1151	Destination Point Code
DISPREQ	1152	Dispatch Required
RESVLOOP	1153	Reserved Loop Due Date
CPO-EBD	1154-1159	Combined Platform Offering-Effective Bill Date
LSRSPEC	1160-1165	LSR SPEC
SUBSPEC	1166-1171	Sub-Product Code
DDTEST	1172-1176	Due Date Test
ATR CON	1177-1190	Acceptance Testing Request Contact

## **Positions 101-120**

### **ABC - Access Billing Choices**

This field provides the type of Bill format that the IC has selected. The IC may select up to one choice for each Bill Section where options are offered.

The first character identifies the section of the bill. The second character identifies the particular format the customer desires.

#### **VALID ENTRIES:**

UA = Usage detail section - Tandem level Billing  
UB = Usage detail section - End office level Billing  
UC = Usage detail section - Tandem level Billing  
UZ = Standard Bill

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited on “N”, “C”, “D”, “T” or “M” activity.

**NOTE 2:** Optional on “R” activity.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |U|A

## **Positions 135-138**

### **C.O. - Central Office Announcement**

Identifies the number of rings which should be heard by the caller before s(he) is directed to a call in progress announcement. The delay announcement for queued calls on hunt group feature provides alternative treatments for incoming callers to a multi-line hunt group that is subject to queuing. This feature allows timed audible ringing tone followed by a customer selected combination of announcements separated by silence, music, or audible ringing tone.

#### **VALID ENTRIES:**

1-99 = number of rings before directing calls  
R = remove  
No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the QUE field is blank.

**NOTE 2:** Required when ordering the Central Office Announcement feature.

**NOTE 3:** Prohibited when the first character of the Request Type (REQTYP) field contains a value other than "A".

**NOTE 4:** Right most position is reserved for the value of "R" to remove this feature.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:** |0|9| | | |R|

| | | |R|

### **Position 139**

#### **CHPD - Call History Package Delivery**

Identifies the requirement to provide the customer with real time information on telephone calls that are terminated to a designated FGA multi-line hunt group (MLHG). The information to and from the customer to support this feature and its options is passed over a dedicated Network Access Link.

#### **VALID ENTRIES:**

B = Call History Package Delivery  
R = Remove option  
No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the Request Type (REQTYP) field contains a value other than "S".

**NOTE 2:** Prohibited when the "Make Busy Arrangement" field or "Notification of Subscriber Line Break" field is populated.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** [B]

## **Position 140**

### **NSLB – Notification of Subscriber Line Break**

Identifies a requirement to allow a customer's equipment to be signaled by specific provider equipment (Central Office Scanner) located in the central office. Approximately every 60 seconds or less, the end user's lines are monitored for breaks. The customer's equipment polls the central office scanner (COS) which will alert the alarm company of any breaks in the end user's lines.

#### **VALID ENTRIES:**

- B = Subscriber Line Break Alarm Service (Specify in remarks the Feature A hunt group)
- R = Remove option
- No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the Request Type (REQTYP) field contains a value other than "S".

**NOTE 2:** Prohibited when the "Make Busy Arrangement" field, "Audible Message Waiting Indication" or "Call History Package Delivery" field is populated.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** **[B]**

## **Position 141**

### **TS ACT - Transit Signaling Activity**

Identifies the activity, taking place for Transit Signaling (TS).

#### **VALID ENTRIES:**

- N = Add Transit Signaling Arrangement
- R = Remove Transit Signaling Arrangement
- C = Change in Transit Signaling Arrangement

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **Positions 142 - 144**

**TPNA** - Third Party Name Abbreviation

Identifies the abbreviated name of the third party name for Transit Signaling.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** A|T|T

## **Position 145**

### **OPACT1 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 146**

### **OPACT2 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 147**

### **OPACT3 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 148**

### **OPACT4 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 149**

### **OPACT5 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 150**

### **OPACT6 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 151**

### **OPACT7 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 152**

### **OPACT8 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

### **Position 153**

#### **OPACT9 - Originating Point Code Activity**

Identifies the activity, taking place for the related Originating Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 154**

### **DPACT1 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 155**

### **DPACT2 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 156**

### **DPACT3 – Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 157**

### **DPACT4 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 158**

### **DPACT5 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 159**

### **DPACT6 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 160**

### **DPACT7 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 161**

### **DPACT8 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 162**

### **DPACT9 - Destination Point Code Activity**

Identifies the activity, taking place for the related Destination Point Code.

**NOTE 1:** At least one occurrence of Point Code is required.

#### **VALID ENTRIES:**

A = Add OPC to TSA  
D = Delete OPC from TSA

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** A

## **Position 163**

### **NON-SUB - Non Presubscription**

Identifies that the trunks are to be used for routing non-presubscription traffic.

#### **VALID ENTRIES:**

B = install

R = remove

No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TTT field on the Feature Group B-C-D form contains a value other than "1".

**NOTE 2:** Required when requesting that only non-presubscription traffic is routed over the trunks being ordered.

**NOTE 3:** Prohibited when the Traffic Type (TRFTYP) field only contains terminating traffic type values (e.g., "DA-" and "TT-").

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** [B]

## **Positions 270-286**

### **VTA2 - Variable Term Agreement (Two)**

Identifies the second duration, contract date, contract identification number and prepayment information for any variable term agreement that may be offered by a provider.

**USAGE:** This field is conditional.

**NOTE 1:** Required for any Interoffice Link connected to another DS3 under contract.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**NOTE 1:** Acceptable format is one of the following 3 options:

- 1 = Standard Variable Term Offering
- 2 = Prepay All Recurring Charges (RC)
- 6 = Prepay Partial RC Charges

Subsequent (coterminous adds to service):

**NOTE 1:** Acceptable format is as follows:

- 1 = Standard Payment Plan - VTA = 15 characters
- 2 = Full Prepayment Plan - VTA = 15 characters
- 6 = Partial Prepayment Plan - VTA = 17 characters

### **EXAMPLES:**

#### **INITIAL**

1	4	8														
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**NOTE 1:** The above example illustrates a standard variable term offering (1) and the number of months (48) in the agreement.

## **Positions 270-286 (continued)**

## **VTA2** - Variable Term Agreement (Two)

**NOTE 1:** The above example illustrates the option (2) to prepay all recurring charges (RC) and the number of months (48) in the agreement.

| 6 | 4 | 8 | 1 | 0 |   |   |   |   |   |   |   |   |

**NOTE 1:** The above example illustrates the option (6) to prepay partial RC charges, the number of months (48) in the agreement and the percent (10) of RC prepaid.

Subsequent (coterminous adds to service):

| 1 | 4 | 8 | - | - | 1 | 2 | 1 | 5 | 9 | 2 | 0 | 9 | 0 | 1 | 9 | 2 |

**NOTE 1:** The above example illustrates a standard term offering (1), the number of months (48) in the agreement, the original term agreement date (12-15-92) and the original application date (09-01-92).

|2|4|8|-|-|1|2|1|5|9|2|0|9|0|1|9|2|

**NOTE 1:** The above example illustrates the option (2) to prepay all recurring charges (RC), the number of months (48) in the agreement, the original term agreement date (12-15-92) and the original application date (09-01-92).

|2|4|8|1|0|1|2|1|5|9|2|0|9|0|1|9|2|

**NOTE 1:** The above example illustrates the option (6) to prepay partial RC charges, the number of months (48) in the agreement, the percent (10) of RC prepaid, the original term agreement date (12-15-92) and the original application date (09-01-92).

## **Positions 287-303**

### **VTA3 - Variable Term Agreement (Three)**

Identifies the third duration, contract date, contract identification number and prepayment information for any variable term agreement that may be offered by a provider.

**USAGE:** This field is conditional.

**NOTE 1:** This field is required for any Interoffice Link connected to another DS3 under contract.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**NOTE 1:** Acceptable format is one of the following 3 options:

- 1 = Standard Variable Term Offering
- 2 = Prepay All Recurring Charges (RC)
- 6 = Prepay Partial RC Charges

Subsequent (coterminous adds to service):

**NOTE 1:** Acceptable format is as follows:

- 1 = Standard Payment Plan - VTA = 15 characters
- 2 = Full Prepayment Plan - VTA = 15 characters
- 6 = Partial Prepayment Plan - VTA = 17 characters

### **EXAMPLES:**

#### **INITIAL**

1	4	8														
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**NOTE 1:** The above example illustrates a standard variable term offering (1) and the number of months (48) in the agreement.

### **Positions 287-303 (continued)**

**VTA 3** - Variable Term Agreement (Three)

| 2 | 4 | 8 |   |   |   |   |   |   |   |   |   |   |

**NOTE 1:** The above example illustrates the option (2) to prepay all recurring charges (RC) and the number of months (48) in the agreement.

| 6 | 4 | 8 | 1 | 0 |   |   |   |   |   |   |   |

**NOTE 1:** The above example illustrates the option (6) to prepay partial RC charges, the number of months (48) in the agreement and the percent (10) of RC prepaid.

## **Positions 304-345**

## **CFA2 - Interim Connecting Facility Assignment (Two)**

Identifies the second provider carrier system and channel to be used from a High Capacity Facility.

**NOTE 1:** The range of assignments should be provided on the DLR during the provisioning of the High Capacity Facility. The customer specifies the particular carrier system and channel or channels to be utilized for provisioning for this request.

**USAGE:** This field is conditional.

**NOTE 1:** Required for Hi-CAP facilities when the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**NOTE 1:** Acceptable format is:

1/5 A/N (space) 1-6 A/N (space) 1-5  
A/N (space) 8-11 CLLI (space) 8-11 CLLI

## **Positions 346-387**

## **CFA3 - Interim Connecting Facility Assignment (Three)**

Identifies the third provider carrier system and channel to be used from a High Capacity Facility.

**NOTE 1:** The range of assignments should be provided on the DLR during the provisioning of the High Capacity Facility. The customer specifies the particular carrier system and channel or channels to be utilized for provisioning for this request.

**USAGE:** This field is conditional.

**NOTE 1:** Required for Hi-CAP facilities when the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**NOTE 1:** Acceptable format is:

1/5 A/N(space)1-6 A/N(space)1-5  
A/N(space)8-11 CLLI(space)8-11 CLLI

**EXAMPLE:**   | 1 | 0 | 1 |   | T | 3 |   | 3 |   | B | S | T | N | M | A | G | T | C | G | O |  
                  |   | B | S | T | N | M | A | M | T | C | G | O |   |   |   |   |   |  
                  | G | O |

## **Positions 388-429**

## **CFA4 - Interim Connecting Facility Assignment (Four)**

Identifies the fourth provider carrier system and channel to be used from a High Capacity Facility.

**NOTE 1:** The range of assignments should be provided on the DLR during the provisioning of the High Capacity Facility. The customer specifies the particular carrier system and channel or channels to be utilized for provisioning for this request.

**USAGE:** This field is conditional.

**NOTE 1:** Required for Hi-CAP facilities when the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 42 alpha/numeric characters

**NOTE 1:** Acceptable format is:

1/5 A/N(space)1-6 A/N(space)1-5  
A/N(space)8-11 CLLI(space)8-11 CLLI

**EXAMPLE:**   | 1 | 0 | 1 |   | T | 3 |   | 3 |   | B | S | T | N | M | A | G | T | C | G | O |  
                  |   | B | S | T | N | M | A | M | T | C | G | O |   |   |   |   |   |   |  
                  | G | O |

## **Positions 430-445**

**RPN2** - Related Purchase Order Number (Two)

Identifies the second related unique PON that authorized the issuance of the related Access Service Request.

**NOTE 1:** May be used for relating a second cross-connected Access Service Request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when DS3 is interoffice and both ends are crossed-connected, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:**    8 | 2 | 4 | Z | 9 |    |    |    |    |    |    |    |

## **Positions 446-461**

**RPON3** - Related Purchase Order Number (Three)

Identifies the third related unique PON that authorized the issuance of the related Access Service Request.

**NOTE 1:** May be used for relating a second cross-connected Access Service Request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when DS3 is interoffice and both ends are crossed-connected, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** 8|2|4|Z|9| | | | | | | | | | | | | | | |

## **Positions 462-477**

**RPON4** - Related Purchase Order Number (Four)

Identifies the fourth related unique PON that authorized the issuance of the related Access Service Request.

**NOTE 1:** May be used for relating a second cross-connected Access Service Request.

**USAGE:** This field is conditional.

**NOTE 1:** Required when DS3 is interoffice and both ends are crossed-connected, otherwise optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:**    8 | 2 | 4 | Z | 9 |    |    |    |    |    |    |    |

## **Positions 484-486**

**SAL** - Service Assurance Level

Identifies the Exchange Carrier provided Service Assurance Level (SAL) being ordered by the Access Customer for this access request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** G|O|

## **Position 487**

### **CBO - Cellular Billing Option**

Identifies the cellular billing option being requested when ordering Feature Group D trunks.

#### **VALID ENTRIES:**

- 1 = Cellular party pays
- 2 = Calling party pays
- 3 = Split party billing
- No entry = Indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when ordering Feature Group B, C or Links.

**NOTE 2:** Required when ordering Cellular service.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:** 2

## **Position 488**

**NSB** - Non-Specified Bridging

Identifies the requirement for the provider to determine the bridging location(s) on a multipoint circuit.

### **VALID ENTRIES:**

Y = Provider specified bridging

**USAGE:** This field is conditional.

**NOTE 1:** Optional for multipoint service when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **Positions 490-493**

**ODID** - Out Bound Dial Number

Specifies out bound 3000 series TER.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** | 1 | 2 | 3 | 4 |

## **Positions 500-502**

**SST** - Start Signaling Tone

Identifies when the signal should be sent after dialing the telephone number.

### **VALID ENTRIES:**

WNK = Wink  
IMM = Immediate  
DEL = Delay

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |W|N|K|

## **Positions 503-506**

**TPL** - Trunk Pulsing

Identifies the type of pulse the customer requires.

### **VALID ENTRIES:**

DP = Dial Pulse  
MF = Multi-Frequency  
DTMF = Dual Tone/Multi-Frequency

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 alpha characters

**EXAMPLE:**

## **Positions 508-519**

**STN** - Screening Telephone Number

Identifies the screening telephone number.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 numeric characters (including 2 hyphens)

**EXAMPLE:** |1|1|1|-|2|2|2|-|3|3|3|3|

**Positions 520- 522**

**RC6BX** - Recording Number Blocks

Identifies the quantity of 100 number blocks to be activated.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 1 | 5

## **Positions 523- 525**

**NOJA1** - Number of Reserved Number Blocks

Identifies the quantity of 100 number blocks to be reserved.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 1 | 5

## **Positions 526- 550**

**DIDR2** - Direct Inward Dial Number Range

Used to indicate non-sequential DID number ranges.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering FGA, B, C, or D service,  
otherwise prohibited.

**DATA CHARACTERISTICS:** 25 numeric characters

**EXAMPLE:**

1	2	3	4	,	3	3	3	3																	
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## **Positions 551- 575**

**DIDR3** - Direct Inward Dial Number Range

Used with RC6BX to indicate non-sequential DID number ranges.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 numeric characters

**EXAMPLE:**

1	2	3	4	,	3	3	3	3																	
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## **Positions 576-600**

**DIDR4** - Direct Inward Dial Number Range

Used with RC6BX to indicate non-sequential DID number ranges.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 numeric characters

**EXAMPLE:** 1|2|3|4|, 3|3|3|3| | | | |

| | | | | | | | | | |

## **Positions 601-625**

**DIDR5** - Direct Inward Dial Number Range

Used with RC6BX to indicate non-sequential DID number ranges.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 numeric characters

**EXAMPLE:** 1|2|3|4|, 3|3|3|3| | | | |

| | | | | | | | | | |

**Positions 626- 628**

**P8J** - Page 800 Lines

Designates the quantity of 800 pageline with MSG D.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 1 | 5

**Positions 629- 631**

**P8K** - Page 800 Lines

Designates the quantity of 800 pageline without MSG D.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**  | 1 | 5

**Positions 632- 634**

**P8L** - Page 800 Lines

Designates the quantity of 800 pageline with MSG D.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:**   | 1 | 5

## **Positions 635-640**

### **VEN** - Vendor Number

Identifies the code number of the distributor that originated the Access Service Request.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when a distributor is involved in the ordering process of network services, otherwise prohibited.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:** 1|2|3|4|N|J

## **Positions 641-672**

**DIST** - Distributor Name

Identifies the company name of the distributor that originated the Access Service Request.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when a distributor is involved in the ordering process of network services, otherwise prohibited.

**DATA CHARACTERISTICS:** 32 alpha/numeric characters

**EXAMPLE:** A|B|C | C|O|M|P|A|N|Y | | | | |

## **Positions 673-684**

**FBAN** - Facility Billing Account Number

Identifies the Billing Account Number of the Transport Facility utilizing “shared use” High Capacity circuits.

**USAGE:** This field is conditional.

**NOTE 1:** Required when “shared use” High Capacity circuits are utilized, otherwise prohibited.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |5|5|5| |5|5|5|-|5|5|5|5|

## **Positions 685-687**

**FCUS** - Facility Customer Code

Identifies the Customer Code associated with the Facility Billing Account Number (FBAN).

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLE:** 1|2|3

## **Positions 739-742**

**TGN** - Trunk Group Number

Specifies the Trunk Group Number applied per channel.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric character

**EXAMPLE:** | 1 | 2 | 3 | 4 |

## **Positions 743-746**

**RTI** - Route Index Number

Specifies the route index number applied per channel.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when ordering wireless service using the Feature Group A Form, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**   1  2  3

## **Position 758**

### **EOI - End Office Integration**

Identifies the option that an Alternate Exchange Customer (AEC) has selected to utilize for integration to provider's tandems or end offices for provider's End Office Integration service.

**NOTE 1:** There are three options available to the customer for integration to a provider tandem or end office location.

#### **VALID ENTRIES:**

- 1 = Option 1 - LT1 or LT3 (Electrical Handoff)
- 2 = Option 2 - LT1 or LT3 (Optical Handoff)
- 3 = Option 3 - Virtual Optical Interconnection Service

**NOTE 1:** Acceptable format is one of the above options.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLES:** 1

2

3

## **Position 759-761**

### **NUMP - Number Portability**

Identifies the technology used for an Alternate Exchange Customer (AEC) ordering Number Portability.

**NOTE 1:** Number Portability is the ability to port an existing, new unassigned number or numbers previously reserved from one certified local service provider to another.

#### **VALID ENTRIES:**

RTI = Route Index Hubbing (Number Portability)

AIN = Advanced Intelligent Network (Number Portability)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLES:** |R|T|I|

|A|I|N|

## **Position 762-763**

### **SS7UB - Signaling System 7 Unbundled**

Identifies the Alternate Exchange Customer (AEC) has opted to provide their own Dedicated Network Access Link (DNAL) to terminate in a designated port location at the provider's Signal Transfer Point (STP) (SS7 Unbundled).

#### **VALID ENTRIES:**

PT = Port Termination for AEC provided DNAL

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering Unbundled SS7, otherwise prohibited.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** P|T

## **Positions 764-778**

## **TOGP** - Toggable Parameter

Identifies the specific toggleable parameter(s) the customer has requested for application to the designated Dedicated Network Access Link (DNAL) for Signaling System 7 (SS7) usage measurement.

**NOTE 1:** The customer may request specific parameters from specific provider switches.

**VALID ENTRIES:**

ATP = Access Transport Parameter  
CIP = Carrier Identification Parameter  
GAP = Generic Address Parameter  
UUI = User-to-User Identification Parameter

**NOTE 1:** One or more toggleable parameters may be ordered on the same Access Service Request (ASR).

**USAGE:** This field is conditional.

**NOTE 1:** Required only when the customer selects the Message Formulation rate category with the toggleable parameters as stated in valid entries, otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha characters

**EXAMPLES:** | C | I | P | | | | | | | | | | | |

**NOTE 1:** This example illustrates ordering of one toggable parameter.

|C| I |P| , |A| T |P| | | | | | | | | |

**NOTE 1:** This example illustrates ordering of two togglable parameters.

## **Positions 764-778 (continued)**

**TOGP** - Toggable Parameter

[A|T|P| , |G|A|P| , |U|U|I| | | | ]

**NOTE 1:** This example illustrates ordering of three toggable parameters.

[A|T|P| , |C|I|P| , |G|A|P| , |U|U|I| ]

**NOTE 1:** This example illustrates ordering of four toggable parameters.

## **Positions 779-810**

## **AECN** - Alternate Exchange Carrier Name

Identifies the competitive local exchange carrier ordering service.

## **VALID ENTRIES:**

Alternate Exchange Carrier (AEC) full name in an expanded or abbreviated format.

**USAGE:** This field is conditional.

**NOTE 1:** Required when one or more of the following fields are populated on the ASR/ECI Form:

EOI = End Office Integration  
NUMP = Number Portability  
TOGP = Toggable Parameters  
SS7UB = Signaling System 7 Unbundled

**DATA CHARACTERISTICS:** 32 alpha characters

**EXAMPLE:** |A|B|C| |C|O|M|M|U|N| I|C|A|T|I|O|  
|N|S| | | | | | | | | | | | | |

**NOTE 1:** This example illustrates an expanded format.

**EXAMPLE:**    |A|B|C|  |C|O|M|M|  |  |  |  |  |  |

**NOTE 1:** This example illustrates an abbreviated format.

## **Positions 811-814**

### **TPTGN - Tandem Provider Trunk Group**

Identifies the specific Trunk Group Number (TGN) for the link between the Serving Wire Center (SWC) of the tandem location and the TSP tandem location.

**NOTE 1:** Only one tandem provider trunk group number may be indicated on an ASR.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the customer orders the FG D service with SS7 tandem signaling optional feature.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|9|2|4

**NOTE 1:** This example illustrates the specific TGN parameter.

## Position 815

### TIA - Trunk Interconnection Arrangement

Identifies the Alternate Exchange Carrier (AEC) has ordered Trunk Interconnection Arrangement (TIA), an interim arrangement offered by the local exchange company to terminate in an AEC's local network until End Office Integration Service is effective.

**NOTE 1:** The appearance of this field on the Access Service Request is for information purposes only when the AEC is ordering Feature Group D (FG D), Signaling System 7 (SS7), or Directory Assistance (DA) after establishing TIA trunks.

#### VALID ENTRIES:

- 1 = Option 1 (DS1/DS3 Facility for Local Trunk)
- 2 = Option 2 (Optical DS3 Facility for Local Trunk)
- 3 = Option 3 (Physical Interconnection for Local Trunk)
- 4 = Option 4 (Virtual Interconnection for Local Trunk)
- 5 = Option 5 (DS1/DS3 Facility for Intralata Toll Trunk)
- 6 = Option 6 (Optical DS3 Facility for Intralata Toll Trunk)
- 7 = Option 7 (Physical Interconnection for Intralata Toll Trunk)
- 8 = Option 8 (Virtual Interconnection for Intralata Toll Trunk)
- A = Option A (DS1/DS3 Facility for Combined Trunk)
- B = Option B (Optical DS3 Facility for Combined Trunk)
- C = Option C (Physical Interconnection for Combined Trunk)
- D = Option D (Virtual Interconnection for Combined Trunk)

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering FG D, SS7 or DA after establishing TIA trunks.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

## **Position 815 (continued)**

**TIA** - Trunk Interconnection Arrangement

**EXAMPLES:** 1

**NOTE 1:** The above example illustrates the AEC has chosen Option 1 for TIA.

2

**NOTE 1:** The above example illustrates the AEC has chosen Option 2 for TIA.

A

**NOTE 1:** The above example illustrates the AEC has chosen Option A for TIA.

## **Positions 816-831**

### **MPON - Master Purchase Order Number**

Identifies the PON of the Access Service Request which has the TQ attached (Master ASR).

**NOTE 1:** When the TQ field is "A" the MPON field must contain the PON of the Master ASR, the RPON field may be populated for relating both the "N" and "D" Access Service Requests if associated with this request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |V|M|S|1|2|3|4|5|6|7|8| | | | | | |

## **Positions 832-834**

**ICNI** - IntelliMux Customer Network Identification

Identifies an IntelliMux customer's network name.

**USAGE:** This field is conditional.

**NOTE 1:** Required when an IntelliMUX Customer is involved.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** D|M|C

## **Position 835**

**TRS** - Telecommunications Relay Service

Identifies if the customer is ordering Telecommunications Relay Service (TRS).

### **VALID ENTRIES:**

Y = Ordering TRS

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **Positions 841-850**

**BTN** - Billing Telephone Number

Identifies the billing telephone number.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 numeric characters (including  
2 preprinted hyphens)

**EXAMPLE:** 3|0|3|-|1|2|3|-|2|3|4|5|

## **Positions 855-856**

**USDO2** - Dial Out Pulsing Options

Contains the number of out pulse options for the service being ordered.

### **VALID ENTRIES:**

0-10

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**  | 9 |

## **Positions 865-872**

**SAED** - Specialized Arrangement Expiration Date

Identifies the date that a special arrangement offering expires.

### **VALID ENTRIES:**

MMDDYYYY

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SAI field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:** 1|0|2|2|1|9|9|9

## **Positions 873-880**

**SAI** - Specialized Arrangement Identifier

A number provided by the provider to uniquely identify specialized arrangement.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SAED field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLE:** 9|6|-|1|2|3|4|5|

## **Position 881**

### **TRANS - Transmission Type**

Identifies the type of originating transmission used to send the access service request.

#### **VALID ENTRIES:**

1 = EDI  
2 = PAPER ASR

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering access services through the EDI process.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:** 2

## **Positions - 882 - 896**

### **OPC1** - Originating Point Code

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 897 - 911**

### **OPC2 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 912 - 926**

### **OPC3 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 927 - 941**

### **OPC4** - Originating Point Code

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 942 - 956**

### **OPC5 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 957 - 971**

### **OPC6** - Originating Point Code

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 972 - 986**

### **OPC7 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 987 - 1001**

### **OPC8 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 1002 - 1016**

### **OPC9 - Originating Point Code**

Identifies the originating point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 1017 - 1031**

### **DPC1** - Destination Point Code

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 1032 - 1046**

### **DPC2** - Destination Point Code

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions - 1047 - 1061**

### **DPC3** - Destination Point Code

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is "C" or "N".

**NOTE 2:** Optional when the TS ACT field is "R".

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1062 - 1076**

### **DPC4 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1077 - 1091**

### **DPC5 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1092-1106**

### **DPC6 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1107 - 1121**

### **DPC7 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1122 - 1136**

### **DPC8 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

## **Positions – 1137 - 1151**

### **DPC9 – Destination Point Code**

Identifies the destination point code for Transit Signaling.

**NOTE 1:** At least one (1) occurrence of OPC and/or DPC is required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the TS ACT field is “C” or “N”.

**NOTE 2:** Optional when the TS ACT field is “R”.

**NOTE 3:** Otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric character

**EXAMPLES:** |1|2|3|-|4|5|6|-|7|8|9|-|B|B|B|

|1|2|3|-|4|5|6|-|7|8|9|,|7|9|1|

|1|2|3|-|B|B|B|-|0|0|0|-|4|5|2|

**Position – 1152**

**DISPREQ** – Dispatch Required

Identifies whether dispatch is required on a new order for Unbundled Loops.

**VALID ENTRIES:**

Y = Dispatch Required

**USAGE:** This field is conditional.

**NOTE 1:** Required when provider determines that site visit is required.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

### **Position - 1153**

#### **RESVLOOP – Reserved Loop Due Date**

Identifies whether a customer has reserved a due date for an Unbundled Loop new order via the pre-ordering process.

#### **VALID ENTRIES:**

Y = Reserved Due Date

**USAGE:** This field is conditional.

**NOTE 1:** Required when customer has reserved a due date via the pre-order process and order is submitted through the EDI process.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

## **Positions 1154 – 1159**

### **CPO-EBD – Combined Platform Offering-Effective Bill Date**

Identifies the effective bill date for the Loop portion for Combined Platform Offering (CPO).

#### **VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Year (00-99)	Two Digit Year (00-99)
Two Digit Month (01-12)	Two Digit Month (01-12)
Two Digit Day (01-31)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required when customer is placing a CPO order.

**DATA CHARACTERISTICS:** 6 numeric characters

**EXAMPLE:** 9|9|1|1|1|0

## **Positions 1160-1165**

### **LSRSPEC – LSR SPEC**

Identifies the type of non-recurring charges relating to conditioning.

#### **VALID ENTRIES:**

UAL+++     +++ = conditioning requirements

**USAGE:**     This field is conditional.

**NOTE 1:** Required when the request is for local loops.

**DATA CHARACTERISTICS:** 6 alpha/numeric characters

**EXAMPLE:**   |U|A|L|M|1|3|

## **Positions: 1166-1171**

## **SUBSPEC** – Sub-Product Code

Identifies the type of Sub-Loop being ordered.

**VALID ENTRIES:**

UNBSBF = Central office or Main distribution frame to Remote terminal or Feeder distribution interface (DS3 only)

Central office or Main distribution frame to Engineering controlled splice

**UBNSBL** = Engineering controlled splice to Network interface device

USLMTM = Central office or Main distribution frame to Terminal

**USLSFT** = Serving area interface to Feeder distribution interface or Terminal

**USLTMN** = Terminal to Network interface device

USLTM = Engineering controlled splice to Terminal

USERTM = Engineering controlled Spice to Terminal  
USLSFN = Serving area interface or Feeder distribution interface to Network interface device

**USLMSF** = Central office or Main distribution terminal to Serving area interface or Feeder distribution interface

**USAGE:** This field is conditional

**NOTE 1:** Required when the request is for a sub-loop.

**DATA CHARACTERISTICS:** 6 alpha characters

**EXAMPLE:** |U|N|B|S|B|F|

## **Positions 1172-1176**

### **DDTEST - Due Date Test**

Identifies the billing element when dial tone test is requested for unbundled loops.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |D|3|E|D|T|

**Positions 1177 – 1190**

**Requesting Company: SBC**  
**Date Assigned: August 9, 2001**

**ATR CON – Acceptance Testing Request Contact**

Identifies the telephone number of the person to be contacted for acceptance testing.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 10 numeric characters minimum,  
14 numeric characters maximum

**EXAMPLES:**

4	1	4	6	7	8	0	1	8	4				
---	---	---	---	---	---	---	---	---	---	--	--	--	--

8	0	0	9	8	2	3	6	6	0	1	1	2	
---	---	---	---	---	---	---	---	---	---	---	---	---	--

2	1	6	8	2	2	1	0	0	0	1	2	3	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---

## **4.2 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 2)**

### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
LSRN	101-118	Local Service Request Number
LOOP ORD	119-129	Loop Order
NP ORD	130-140	Number Portability
SON	141-268	Service Order Numbers for Related Order Activity
APPTIME	269	Appointment Time for Installation of Service
SM	270-288	Speed of Issuance Measurement
PEND ORD	289-299	Pending Order
SM2	300-318	Speed of Issuance Measurement
SM3	319-337	Speed of Issuance Measurement
SM4	338-356	Speed of Issuance Measurement
SM5	357-375	Speed of Issuance Measurement
SM6	376-394	Speed of Issuance Measurement
SM7	395-413	Speed of Issuance Measurement
CMLG	414-418	Commingling
VZB	419-421	Verizon Business
ACAT	436	Access Category
ACPON	437-452	Alternate Customer Purchase Order Number
CDR	513-527	Circuit Design Request
CONFIG	528-777	Configuration Remarks
REMARKS		
CPEV	778-792	CPE Vendor
EA TYPE	793	Ethernet Access Type
EXPNM	794-818	Expedite Name

## **4.2 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 2) (continued)**

### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
NWKSTATA	879	Network Status (PRILOC)
PER	880-887	Planning Engineering Request
QOPT	888	Queuing Option
SALESCON	889-903	Sales Contact Name
SALESCON	904-963	Sales Contact Electronic Mail
EMAIL		Address
SALESCON	964-977	Sales Contact Telephone Number
TEL NO		
SAR	978-1002	Service Availability Request
SBDW	1003-1010	Supplemental Bandwidth
SAR-ED	1011-1018	Service Availability Request Expiration Date
SAR-CN	1019-1030	Service Availability Request Confirmation Number
PCT	1031	Port Connection Type
LTA SECLOC	1032-1033	Loop Term Agreement (Secondary)
LTA PRILOC	1034-1035	Loop Term Agreement (Primary)
BAT	1036-1043	Billing Account Type
ALPA	1044	Access Loop Protection (PRILOC)
ALPZ	1045	Access Loop Protection (SECLOC)
EASPEED	1046-1053	Ethernet Access Speed
NWKSTATZ	1054	Network Status (SECLOC)
FPG	1055-1057	Feature Pricing Group

## **Positions 101-118**

**LSRN** – Local Service Request Number

Identifies the number that is generated by the provider's local mechanical system to identify a customer's request for service.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering Loop and DSL products, otherwise prohibited.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters

**EXAMPLE:** |1|2|3|4|5|6|7|8|L|1|2|3|4|5|6|7| | |

## **Positions 119-129**

### **LOOP ORD – Loop Order**

Identifies the pre-assigned loop order number to be used for flow through processing of loop request with number portability.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |C|2|4|8|5|5|5|3|8|3|7|

## **Positions 130-140**

**NP ORD** – Number Portability Order

Identifies the pre-assigned number portability order number to be used for flow through processing of loop request with number portability.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |D|1|1|7|5|3|1|3|4|1|1|

## **Positions 141-268**

**Requesting Company: SBC**  
**Date Assigned: February 26, 2002**

## **SON – Service Order Numbers for Related Order Activity**

Identifies all the pending service order numbers for the account on this request. This will assist in identifying impacts on any pending orders if changes are requested.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 128 alpha/numeric characters

**EXAMPLE:** |C|2|4|8|5|6|7|8|9|5|8| , |C|2|4|8|0|1|2|3|

**Positions 269**

**Requesting Company: SBC**  
**Date Assigned: April 2, 2002**

**APPTIME – Appointment Time for Installation of Service**

Identifies the time period during which the end user's service will be established, or a technician is scheduled to visit the end user's premises or both.

**VALID ENTRIES:**

A – Z

A =	8 A. M. – 12 P. M.
B =	9 A. M. – 1 P. M.
C =	10 A. M. – 2 P. M.
D =	11 A. M. – 3 P. M.
E =	12 P. M. – 4 P. M.
M =	9 A. M. – 5 P. M.
N =	10 A. M. – 5 P. M.
O =	3 P. M. – 7 P. M.
P =	1 P. M. – 5 P. M.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 270 - 288**

**Requesting Company: SBC**  
**Date Assigned: July 23<sup>rd</sup>, 2002**

**SM – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 289 - 299**

**Requesting Company: SBC**  
**Date Assigned: November 15<sup>th</sup>, 2002**

**PEND ORD – Pending Order**

Identifies the current order number that has pending activity against this circuit.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters

**EXAMPLE:** |C|2|4|8|1|1|1|9|6|5|4|

**Positions 300-318**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM2 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 319-337**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM3 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 338-356**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM4 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 357-375**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM5 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 376-394**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM6 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 395-413**

**Requesting Company: SBC**  
**Date Assigned: March 26<sup>th</sup>, 2003**

**SM7 – Speed of Issuance Measurement**

Identifies the ordering vehicle, date and time the request was processed. Information will be used to develop measurements for the speed of order issuance.

**VALID ENTRIES:**

AA = Ordering vehicle (Negotiated between provider and customer)  
MM = Month  
DD = Date  
YYYY = Year  
NNNN = Time of day  
A = AM  
P = PM

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 19 alpha/numeric characters

**EXAMPLE:** |A|A| |1|1|-|1|2|-|2|0|0|2| |1|0|0|9|P|

**Positions 414-418**

**Requesting Company: SBC**  
**Date Assigned: June 2<sup>nd</sup>, 2004**

**CMLG** – Commingling

Identifies the type of commingling project the customer has negotiated with the provider.

**Note 1:** Valid entry codes are negotiated with the customer and provided prior to the submission of the Access Service Request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** K|S|T|Y|1|

**Positions 419-421**

**Requesting Company: Verizon**  
**Date Assigned: March 29, 2006**

**VZB – Verizon Business**

Identifies ISP Orders from the Vconnect System

**NOTE 1:** This information is provided by the VConnect System for internal to Verizon requests.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** I|S|P

**Positions 436**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**ACAT – Access Category**

Identifies the customer's requested carrier delivery method category for a Private Internet Protocol circuit based on port speed when the provider has assignment control.

**VALID ENTRIES:**

A = DS1  
B = DS3  
C = Ethernet  
D = NxDS1  
E = OC3c  
F = OC12c  
G = Subrate DS3  
H = Subrate OC3c  
I = Subrate OC12c  
J = STM1  
K = STM4

**USAGE:** This field is conditional.

**NOTE 1:** Required when the ACT field on the ASR Form is "N" and the NC field on the EUSA or Transport Form specifies a Private Internet Protocol Port, otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 437-452**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**ACPON – Alternate Customer Purchase Order Number**

Identifies the customer's overall purchase order or requisition number that authorizes multiple unique purchase order number requests.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | | | |

**Positions 513-527**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**CDR – Circuit Design Request**

Identifies the provider assigned number that specifies the DS3 and above access capacity and design request provided to the customer during pre-order negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the NC field on the EUSA or Transport Form specifies a DS3 or higher access request, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |C|D|R|2|0|1|1|0|6|2|3|1|1|0|8|

## **Positions 528-777**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

## **CONFIG REMARKS** – Configuration Remarks

Identifies a free flowing field, which can be used to expand upon and clarify specific information relating to configuration of network elements.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 250 alpha/numeric characters

**EXAMPLE:** | P | R | O | V | I | S | I | O | N | | 1 | . | 1 | | M | B | | E | T | H |

## **Positions 778-792**

**Requesting Company: Verizon  
Date Assigned: July 8, 2011**

**CPEV – CPE Vendor**

Identifies the customer provided equipment vendor for layer 2 and layer 3 technologies.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** C I S C O C 3 \_\_\_\_\_

**Positions 793**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**EA TYPE – Ethernet Access Type**

Identifies the bandwidth and Ethernet characteristics at the customer premise as agreed to during pre-order negotiations.

**VALID ENTRIES:**

- 1 = Type 1 On-Net Ethernet Access
- 2 = Type 2 In Region Switched Ethernet Access
- 3 = Type 3 Off-Net via TDM
- 4 = Type 4 Off-Net, Non TDM based Ethernet Access
- S = EA Standard

**NOTE 1:** Valid entry “1” is used for on-net Ethernet Access from Verizon Business LIT Building to Verizon Business Layer 2 Switch at local node/IXC POP.

**NOTE 2:** Valid entry “2” is used for Verizon Telecom switched connectivity that requires a new UNI (U.S. installs only) - Limited to 500 Mbps of maximum bandwidth.

**NOTE 3:** Valid entry “3” is used for Ethernet Access from an off-net building to a Verizon Business Layer 2 Switch using TDM and BEAS.

**NOTE 4:** Valid entry “4” is used for Ethernet Access from an off-net building to a Verizon Business Layer 2 Switch using a third party non-Verizon ILEC.

**NOTE 5:** Valid entry “S” is used for Ethernet Access Standard from an off-net building to a Verizon Layer 2 device using third party native Ethernet (switched or dedicated).

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**Positions 793**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**EA TYPE** – Ethernet Access Type (continued)

**EXAMPLES:**

1
S

**Positions 794-818**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**EXPNM – Expedite Name**

Identifies the employee of the customer or agent who is authorizing the expedite charges.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the EXP field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:**

J	O	H	N		J	.		S	M	I	T	H										

**Positions 879**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**NWKSTATA – Network Status (PRILOC)**

Identifies if the customer is directly connected or if service is supplied by another vendor at the primary location.

**VALID ENTRIES:**

- A = On-Net
- B = Off-Net
- C = Collocated Restricted On-Net
- D = Collocated Restricted Off-Net

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** B

**Positions 880-887**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**PER** – Planning Engineering Request

Identifies the provider assigned number that specifies facility availability provided to the customer during pre-order negotiations based on engineering verification.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:** 0|6|2|3|1|1|1|1

**Positions 888**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**QOPT – Queuing Option**

Identifies the level which the quality of service will be performed when ordering Virtual Routing and Forwarding (VRF).

**VALID ENTRIES:**

A = Port

B = Permanent Virtual Connection

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “X” or “V” and the SPEC field on the ASR Form specifies Virtual Routing and Forwarding (VRF), otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** |B|

**Positions 889-903**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**SALESCON – Sales Contact Name**

Identifies the provider agent representing the customer who should be contacted on ordering matters.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** J|A|N|E| |T| |D|O|E| | | | |

## **Positions 904-963**

**Requesting Company: Verizon  
Date Assigned: July 8, 2011**

**SALESCON EMAIL** – Sales Contact Electronic Mail Address

Identifies the electronic mail address of the provider agent representing the customer on ordering matters.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the SALESCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 60 alpha/numeric characters

**EXAMPLE:** |Z|J|O|N|E|S|@|N|O|T|E|S|. |B|E|L|L|C|O|M|

P A N Y . C O M

**Positions 964-977**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**SALESCON TEL NO – Sales Contact Telephone Number**

Identifies the telephone number of the provider agent representing the customer on ordering matters.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SALESCON field is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 14 numeric characters (excluding 3 preprinted hyphens)

**EXAMPLE:** **|2|0|1| - |5|5|5| - |3|4|0|0| - |2|2|2| |**

## **Positions 978-1002**

**Requesting Company: Verizon  
Date Assigned: July 8, 2011**

## **SAR** – Service Availability Request

Identifies the provider assigned number associated with the detailed building level service availability check provided to the customer during pre-order negotiations.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 25 alpha/numeric characters

**EXAMPLE:** | 1 | - | A | B | C | - | 1 | 2 | 3 | | | | | | | | |

**Positions 1003-1010**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**SBDW – Supplemental Bandwidth**

Identifies a bandwidth value that differs from the amount expressed by the value in the NC Code where an additional, supplemental bandwidth needs to be specified.

**VALID ENTRIES:**

Bandwidth specified = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SEI field on the ASR Form is populated or the ACT field on the ASR Form is “D”, otherwise optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

1	G						
---	---	--	--	--	--	--	--

1	0	.	8	0	8	M	
---	---	---	---	---	---	---	--

1	0	0	/	2	0	0	M
---	---	---	---	---	---	---	---

**NOTE 1:** The example above indicates an up/down asynchronous speed on a Hybrid Fiber Coax (HFC) network.

**Positions 1011-1018**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**SAR-ED – Service Availability Request Expiration Date**

Identifies the expiration date of the Service Availability Request (SAR).

**VALID ENTRIES:**

Metric Format

Two Digit Century (00-99)

Two Digit Year (00-99)

Two Digit Month (01-12)

Two Digit Day (01-31)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 8 numeric characters (excluding 2 pre-printed hyphens)

**EXAMPLE:** |2|0|1|3|-|0|4|-|1|2|

**Positions 1019-1030**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**SAR-CN – Service Availability Request Confirmation Number**

Identifies the confirmation number provided for the Service Availability Request (SAR).

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 alpha/numeric characters

**EXAMPLE:** |L|I|T| |B|L|D|G| | | | |

**Positions 1031**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**PCT – Port Connection Type**

Identifies the type of connection to either a dedicated private IP port or a shared port.

**VALID ENTRIES:**

D = Dedicated  
S = Shared

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 1032-1033**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**LTA SECLOC – Loop Term Agreement (Secondary)**

Identifies the duration in months of any loop term agreement at the secondary location that may be offered by a provider.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**   1  |  2

**Positions 1034-1035**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**LTA PRILOC – Loop Term Agreement (Primary)**

Identifies the duration in months of any loop term agreement at the primary location that may be offered by a provider.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 numeric characters

**EXAMPLE:**   1  |  2

**Positions 1036-1043**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**BAT – Billing Account Type**

Identifies the type of billing account associated to the Billing Account Number.

**VALID ENTRIES:**

BAN  
BILL ID  
CORP ID  
TCORP ID

**NOTE 1:** A BAN valid entry is associated to option 1 or Metro Private Line (MPL).

**NOTE 2:** A BILL ID or TCORP ID valid entry is associated to option 2.

**NOTE 3:** A CORP ID valid entry is associated to option 4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the BAN field on the ASR Form is populated, otherwise prohibited.

**DATA CHARACTERISTICS:** 8 alpha characters

**EXAMPLE:**

B	A	N					
---	---	---	--	--	--	--	--

**Positions 1044**

**Requesting Company: Verizon**  
**Date Assigned: 9/6/13**

**ALPA – Access Loop Protection (PRILOC)**

Identifies the type of protection for the access loop on a long-haul service at the primary location.

**VALID ENTRIES:**

P = Protected  
U = Unprotected

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SPEC field on the ASR Form indicates USPL Wave Service and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 1045**

**Requesting Company: Verizon**  
**Date Assigned: 9/6/13**

**ALPZ – Access Loop Protection (SECLOC)**

Identifies the type of protection for the access loop on a long-haul service at the secondary location.

**VALID ENTRIES:**

P = Protected  
U = Unprotected

**USAGE:** This field is conditional.

**NOTE 1:** Required when the SPEC field on the ASR Form indicates USPL Wave Service and the ACT field on the ASR Form is not “D”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** U

**Positions 1046-1053**

**Requesting Company: Verizon**  
**Date Assigned: 12/2/13**

**EASPEED** – Ethernet Access Speed

Identifies the bandwidth value of the Ethernet Access circuit against which the Ethernet Port service is requested.

**VALID ENTRIES:**

Bandwidth specified = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters

**EXAMPLES:**

1	G						
---	---	--	--	--	--	--	--

1	0	.	8	0	8	M	
---	---	---	---	---	---	---	--

**Positions 1054**

**Requesting Company: Verizon**  
**Date Assigned: June 2, 2014**

**NWKSTATZ – Network Status (SECLOC)**

Identifies if the customer is directly connected or if service is supplied by another vendor at the secondary location.

**VALID ENTRIES:**

- A = On-Net
- B = Off-Net
- C = Collocated Restricted On-Net
- D = Collocated Restricted Off-Net

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** B

**Positions 1055-1057**

**Requesting Company: Verizon**  
**Date Assigned: June 2, 2014**

**FPG – Feature Pricing Group**

Identifies pricing based on a third party vendor for off-net service.

**VALID ENTRIES:**

001-999

**NOTE 1:** Valid values are based on provider contracts and/or negotiations.

**USAGE:** This field is conditional.

**NOTE 1:** Required when EA TYPE field is “4” or “S”, otherwise prohibited.

**DATA CHARACTERISTICS:** 3 numeric characters

**EXAMPLES:**

7	2	1
---	---	---

0	0	3
---	---	---

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **5. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST CIRCUIT LEVEL)**

This section contains the record layout forms associated with the Company Specific Access Service Request Circuit level data. Circuit level data applies only to individual services on the access service request.

The intent of the forms is to depict the current field assignments. These records will be maintained by the OBF Committee through the ATIS OBF Manager. Fields will be assigned in sequential order.

Section 5.1 describes the current Company Specific ECI record (Access Service Request Circuit level).

**NOTE:** Record Positions 1 -> 100 will be used for control data information. Company Specific Access Service Request Circuit level data will begin at Record Position 101.

## **5.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST CIRCUIT LEVEL)**

### **INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
VCCID	101-128	Virtual Connection Circuit Identifier
IPAI	129	Internet Protocol Address Identifier
IP Address	130-168	Internet Protocol Address
SUBNET	169-183	Subnet Mask
MASK		
CCNFG	818	Cross Connect Configuration
XOCD	821-843	Optical Concentration Device
VCIODC	844-854	Virtual Channel Identifier
VPIODC	855-865	Virtual Path Identifier
PROF	866-869	Profile Code Set
LSNP TN	870-879	Loop Service Number Portability Telephone Number
LOSS TN	880-889	Loss Notification Telephone Number
SUBST	896-909	Substandard
COND SPEC	910-936	Conditioning Spec
LOOP LEN	937-941	Loop Length
BHC	942-946	Batch Hot Cut
DCIR	947-953	Disconnect Committed Information Rate
TIER	954	Tier
TNT	955	Test and Tag Requested
ELTN	956-965	Eligible Local Telephone Number
911ID	966-973	911 Installation Date
CBAN	974-986	Collocation Billing Account Number
IFID	987-1019	Interconnection Facility ID
ITID	1020-1064	Interconnection Trunk ID
ASN	1065-1074	Autonomous System Number
CCAT	1075-1079	Cable Category
CFAPA	1080	Connecting Facility Assignment Provider Authorized
CSHIELD	1081-1083	Cable Shielding (Primary)
EAID	1084-1111	Ethernet Access Circuit Identifier
EXDI	1112	Extended Demarcation Indicator
ICID	1113-1140	Interconnect Circuit Identifier
OPTCON	1141-1142	Optical Connector (Primary)

**5.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE REQUEST ASR LEVEL RECORD 1) (continued)**

**INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
PWRT	1143-1144	Power Type
TRM	1145	Traffic Management
VLAN TAG	1146-1149	Virtual Local Area Network Tag
VPN NM	1150-1189	Virtual Private Network Name
SOPTCON	1190-1191	Optical Connector (Secondary)
SCSHIELD	1192-1194	Cable Shielding (Secondary)
EGRESS	1195-1197	Egress Profile
COLOR OR	1198	Colocation      Restricted      Override Indicator

## **Positions 101-128**

**Requesting Company: Verizon  
Date Assigned: May 28, 2013**

## **VCCID** – Virtual Connection Circuit Identifier

Identifies the provider assigned logical Ethernet or Permanent Virtual Connection circuit identifier.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** |W|X|1|3|4|5|2|1| | | | | | | | | | | | | | | |

**Positions 129**

**Requesting Company: Verizon**  
**Date Assigned: July 2, 2014**

**IPAI – Internet Protocol Address Identifier**

Identifies the version of the Internet Protocol Address within the network interface device at a host or end user location.

**VALID ENTRIES:**

4 = IPv4  
6 = IPv6  
M = IPv4 – mapped IPv6

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SEI field on the ASR Form is populated or the ACT field on the ASR Form is “D”.

**NOTE 2:** Required when the IP Address field is populated.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 1 alpha/numeric character

**EXAMPLE:**

## **Positions 130-168**

**Requesting Company: Verizon**  
**Date Assigned: July 2, 2014**

**IP ADDRESS** – Internet Protocol Address

Identifies the Internet Protocol Version Address within the network interface device at a host or end user location.

**VALID ENTRIES:**

IPv4 address  
IPv6 address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for an IPv4 or IPv6 address.

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the SEI field on the ASR Form is populated or the ACT field on the ASR Form is “D”, otherwise optional.

**DATA CHARACTERISTICS:** 39 alpha/numeric characters

**EXAMPLES:** | 1 | 3 | 0 | . | 2 | 5 | 5 | . | 2 | 5 | 3 | . | 3 | 0 | | | | |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

The example above is an IPv4 formatted address.

2	0	3	1	:	0	0	0	0	:	1	3	0	F	:	1	2	3	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**NOTE 1:** The example above is a fully loaded IPv6 formatted

**Positions 130-168**

**Requesting Company: Verizon**  
**Date Assigned: July 2, 2014**

**IP ADDRESS** – Internet Protocol Address (continued)

[ : ] : [ F | F | F | F ] : [ 1 | 3 | 0 ] . [ 2 | 5 | 5 ] . [ 2 | 5 | 3 ] . [ 3 ]  
[ 0 ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

**NOTE 1:** The example above is an IPv4 – mapped IPv6 formatted address.

**Positions 169-183**

**Requesting Company: Verizon**  
**Date Assigned: July 2, 2014**

**SUBNET MASK – Subnet Mask**

Identifies the Subnet Mask address associated to the Internet Protocol Version 4 (IPv4) Address within the network interface device at a host or end user location.

**VALID ENTRIES:**

Subnet Mask Address

**NOTE 1:** An entry in this field must comply with the Internet Engineering Task Force (IETF) Standards for a Subnet Mask.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the IP Address field is populated and the IPAI field is “4” or “M”, otherwise prohibited.

**DATA CHARACTERISTICS:** 15 alpha/numeric characters

**EXAMPLE:** |2|5|5|.|2|5|5|.|2|5|5|.|0| | |

## **Position 818**

### **CCNFG – Cross Connect Configuration**

Identifies the configuration of the customers cross connect information when it is for line sharing DSL services.

#### **VALID ENTRIES:**

0, 1, 2 Equates to cross connect USOC  
or 3

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**

## **Positions 821-843**

## **XOCD** – Optical Concentration Device

Identifies the Optical Concentration Device (OCD) circuit identification number associated with the termination on the OCD.

**VALID ENTRIES:**

## SERIAL NUMBER FORMAT

### Service Code and Modifier/Serial Number/Provider Code

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering high frequency portion of the loop (HFPL) data only broadband or high frequency portion of the subloop (HFPSL) broadband services.

**DATA CHARACTERISTICS:** 23 alpha/numeric characters

**EXAMPLES:** |H|F|F|U|. |1|2|3|4|5|6|. |

|L|B| | | | | | | | |

|O|B|F|U|. |1|2|3|4|5|6|. |

|M|B| | | | | | | | |

## **Positions 844-854**

### **VCI OCD – Virtual Channel Identifier**

Identifies the virtual channel identifier of the Optical Concentration Device (OCD) port.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the XOCD field is populated.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters (including decimal points separating each entry)

**EXAMPLES:** |3|6|A|.|3|2|Z| | | | |

|1|2|3|A|.|2|3|4|Z| | | |

## **Positions 855-865**

### **VPIOCD – Virtual Path Identifier**

Identifies the virtual path identifier of the Optical Concentration Device (OCD) port.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the XOCD field is populated.

**DATA CHARACTERISTICS:** 11 alpha/numeric characters (including decimal points separating each entry)

**EXAMPLES:** |3|6|A|.|3|2|Z| | | | |

|1|2|3|A|.|2|3|4|Z| | | |

## **Positions 866-869**

**PROF** – Profile Code Set

Identifies the code set that will identify the customer's profile.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the XOCD field is populated.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLES:**

1	0		
---	---	--	--

1	1	0	
---	---	---	--

## **Positions 870-879**

**LSNP TN** – Loop Service Number Portability Telephone Number

Identifies the telephone number that will be ported or disconnected. This information is needed for flow-through processing of loop requests with number portability.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:** **|8|4|7|6|1|5|0|4|9|0|**

**Positions 880 - 889**

**Requesting Company: SBC**  
**Date Assigned: September 11,**  
**2002**

**LOSS TN – Loss Notification Telephone Number**

Identifies the telephone number associated with the ECCKT for a loss notification request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 10 numeric characters (excluding 2 preprinted hyphens)

**EXAMPLE:** 3|1|2 - 6|9|9 - 8|7|9|5

**Positions 896 - 909**

**Requesting Company: SBC**  
**Date Assigned: January 28<sup>th</sup>, 2003**

**SUBST – Substandard**

Identifies that a loop is substandard.

**VALID ENTRIES:**

- 13 Loop meets minimum qualification for requested PSD and length is not over 12K ft.
- 32 Loop meets minimum qualification for requested PSD and length is not over 12K ft.
- AB Removal of All Bridged Tap.
- AX Removal of Repeaters.
- HS Loop meets minimum qualification for requested PSD and length is not over 14.5K ft.
- LA Removal of All Bridged Tap and Load Coils
- LB Removal of All Bridged Tap.
- LC Provision Loop “AS IS” Using YZP
- LS Loop meets minimum qualification for requested PSD and length is not over 17.5K ft
- LT Removal of Load Coils and Bridged Tap
- LX Removal of Load Coils.
- NB Removal of Non-Excessive Bridged Tap.
- NX Removal of Excessive Bridged Tap
- QX Provision Loop “AS IS”
- RA Removal of All Bridged Tap and Repeaters
- RB Removal of Non-Excessive Bridged Tap.
- RR Removal of Excessive Bridged Tap and Repeaters
- RT Removal of Load Coils and Bridged Tap
- RX Removal of Repeaters.
- TR Removal of Excessive Bridged Tap and Repeaters
- TX Removal of Excessive Bridged Tap
- UA Removal of All Bridged Tap and Repeaters
- UX Removal of Load Coils.

**Positions 896 - 909**

**Requesting Company: SBC**  
**Date Assigned: January 28<sup>th</sup>, 2003**

**SUBST** – Substandard (continued)

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 14 alpha/numeric characters

**EXAMPLE:** |Q|X| , |R|A| , |1|3| , |U|A| , |R|X|

**Positions 910 - 936**

**Requesting Company: SBC**  
**Date Assigned: April 10<sup>th</sup>, 2003**

**COND SPEC – Conditioning Spec**

Identifies the type of conditioning the customer has requested.

**Note 1:** Valid entry codes are negotiated with the customer and provided prior to the submission of the Access Service Request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 27 alpha/numeric characters

**EXAMPLE:** |U|A|L|R|A|B| , |U|A|L|R|L|A| , |U|A|L|R|L|B| , |U|A|L|R|R|A|

**Positions 937-941**

**Requesting Company: SBC**  
**Date Assigned: 7/21/2003**

**LOOP LEN – Loop Length**

Identifies the loop length associated with the DSL request.

**VALID ENTRIES:**

NRMN6 = Loop length is less than or equal to 17.5kft

NRMN7 = Loop length is greater than 17.5kft

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |N|R|M|N|6|

**Positions 942-946**

**Requesting Company: SBC**  
**Date Assigned: 2/25/2004**

**BHC** – Batch Hot Cut

Identifies that the customer has prearranged with the provider a set due date and time for this request to be installed.

**Note 1:** Valid entry codes are negotiated with the customer and provided prior to the submission of the Access Service Request.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha characters

**EXAMPLE:** |N|R|F|H|A|

**Positions 947-953**

**Requesting Company: Verizon**  
**Date Assigned: 2/23/05**

**DCIR** – Disconnect Committed Information Rate

Identifies the Frame Relay PVC the customer is disconnecting.

**VALID ENTRIES:**

M or K Required for the last character of this field

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 7 alpha characters

**EXAMPLE:** | 5 | 6 | K | | | | |

**Positions 954**

**Requesting Company: Verizon**  
**Date Assigned: 2/23/05**

**TIER – Tier**

Identifies the mileage tier the customer is requesting with a Verizon Term Plan Agreement.

**VALID ENTRIES:**

- 1 = 0-5 miles
- 2 = 5-25 miles
- 3 = 25-50 miles
- 4 = 50 and over

**USAGE:** This field is optional

**DATA CHARACTERISTICS:** 1 numeric character

**EXAMPLE:**   3

**Positions 955**

**Requesting Company: SBC**  
**Date Assigned: 2/28/05**

**TNT** – Test and Tag Requested

Identifies the customer is requesting testing on the Sub Loop product.

**VALID ENTRIES:**

A = Testing required

**USAGE:** This field is optional

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 956-965**

**Requesting Company: Verizon**  
**Date Assigned: 3/31/05**

**ELTN – Eligible Local Telephone Number**

Identifies the local telephone number used by the Customer when providing Unbundled Services.

**NOTE 1:** When ordering at a DS1 level, only one occurrence is required.

**NOTE 2:** When ordering at a DS3 level, 28 occurrences are required.

**USAGE:** This field is conditional

**NOTE 1:** Required when ordering EEL and Unbundled Dedicated Transport with Commingling, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:** |2|1|2|3|9|5|0|0|0|0|

**Positions 966-973**

**Requesting Company: Verizon**  
**Date Assigned: 3/31/05**

**911ID – 911 Installation Date**

Identifies the date that the ELTN was established in the 911 database.

**NOTE 1:** When ordering at a DS1 level, only one occurrence is required.

**NOTE 2:** When ordering at a DS3 level, 28 occurrences are required.

**USAGE:** This field is conditional

**NOTE 1:** Required when ordering EEL and Unbundled Dedicated Transport with Commingling, the ELTN field is populated and the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 8 numeric characters

**EXAMPLE:** 0|1|2|2|2|0|0|4|

**Positions 974-986**

**Requesting Company: Verizon**  
**Date Assigned:3/31/05**

**CBAN – Collocation Billing Account Number**

Identifies the billing account number of the collocation arrangement real estate account.

**USAGE:** This field is conditional

**NOTE 1:** Required when ordering EEL and Unbundled Dedicated Transport with Commingling, the ELTN field is populated and the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 13 alpha/numeric characters

**EXAMPLE:** |2|0|1|Y|9|9|0|4|2|3|1|2|3|

**Positions 987-1019**

**Requesting Company: Verizon**  
**Date Assigned: 3/31/05**

**IFID – Interconnection Facility ID**

Identifies the Facility ID that the Interconnection Trunks are associated.

**NOTE 1:** When ordering at a DS1 level, only one occurrence is required.

**NOTE 2:** When ordering at a DS3 level, 2 occurrences are required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering EEL and Unbundled Dedicated Transport with Commingling, the ELTN field is populated and the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 33 alpha/numeric characters

**EXAMPLE:** |1|0|1|/|T|1|/|N|W|R|K|N|J|0|2|H|P|A|/  
|M|R|T|N|J|M|R|K|3|1| | | | |

**Positions 1020-1064**

**Requesting Company: Verizon**  
**Date Assigned: 3/31/05**

**ITID – Interconnection Trunk ID**

Identifies the Interconnection Trunks associated with the IFID.

**NOTE 1:** When ordering at a DS1 level, only one occurrence is required.

**NOTE 2:** When ordering at a DS3 level, 2 occurrences are required.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ordering EEL and Unbundled Dedicated Transport with Commingling, the ELTN field is populated and the ACT field on the ASR Form is “N”, “C” or “T”, otherwise optional.

**DATA CHARACTERISTICS:** 45 alpha/numeric characters

**EXAMPLE:** |1|2|3|4| / |A|F|5|4| I |E|C|N| / |M|D|S|N|W| I

|1|6|C|G|0| / |M| - | / |D|S|N|R|W| I |0|2|0|1|T|

| | | | | |

**Positions 1065-1074**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**ASN – Autonomous System Number**

Identifies the unique ASN allocated to each Autonomous System (AS) for use in BGP routing.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is "X" or "V", the ACT field on the ASR Form is "N" and the SPEC field on the ASR Form specifies the routing option is BGP, otherwise optional.

**DATA CHARACTERISTICS:** 10 numeric characters

**EXAMPLE:**

6	5	0	0	4					
---	---	---	---	---	--	--	--	--	--

**Positions 1075-1079**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**CCAT – Cable Category**

Identifies the type of electrical cable used.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 5 alpha/numeric characters

**EXAMPLE:** |C|A|T|6|

**Positions 1080**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**CFAPA** – Connecting Facility Assignment Provider Authorized

Indicates that the provider is authorized to act as an agent for the customer in ordering a backhaul CFA from another provider if needed.

**VALID ENTRIES:**

Y = Authorized

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 1081-1083**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**CSHIELD – Cable Shielding (Primary)**

Identifies the type of twisted pair (copper) cabling at the primary location.

**VALID ENTRIES:**

STP = Shielded Twisted Pair  
UTP = Unshielded Twisted Pair

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|P|

**Positions 1084-1111**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**EAID – Ethernet Access Circuit Identifier**

Identifies the provider's physical circuit ID against which the EVC activity is requested.

**NOTE 1:** This circuit identifier is used for an internal provisioning reference.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "X" or "V", otherwise prohibited.

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLES:** |W|X|K|R|G|S|9|8|7|6|5|4| | | | | | | | |

| | | | | | | | | |

|W|X| / |K|R|G|S| / |9|8|7|6|5|4| / | | |V|Z|N| |

| | | | | | | | | |

**Positions 1112**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**EXDI – Extended Demarcation Indicator**

Indicates a request to extend an existing demarcation point.

**VALID ENTRIES:**

Y = Extend Existing Demarcation

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 1113-1140**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**ICID – Interconnect Circuit Identifier**

Identifies a provider assigned physical access circuit identifier between the customer and provider edge router/switch when ordering Virtual Routing and Forwarding (VRF).

**NOTE 1:** This circuit identifier is used for an internal provisioning reference.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the first position of the REQTYP field on the ASR Form is “X” or “V” and both the NC and NCI fields on the EUSA or Transport Form specifies Virtual Routing and Forwarding (VRF), otherwise optional.

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLES:** |W|X|K|R|G|S|9|8|7|6|5|4| | | | | | | | |

| | | | | | | | | |

|W|X| / |K|R|G|S| / |9|8|7|6|5|4| / | | | | | | | |

| | | | | | | | | |

**Positions 1141-1142**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**OPTCON** – Optical Connector (Primary)

Identifies the type of optical fiber connector at the primary location.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:**

**Positions 1143-1144**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**PWRT – Power Type**

Indicates the power supply type at the customer location.

**VALID ENTRIES:**

AC = Alternating Current  
DC = Direct Current

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** A C

**Positions 1145**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**TRM – Traffic Management**

Indicates the transmission and prioritization associated to different levels of virtual connection data.

**VALID ENTRIES:**

E = Enhanced  
S = Standard

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is “X” or “V”, otherwise prohibited.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**Positions 1146-1149**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**VLAN TAG – Virtual Local Area Network Tag**

Identifies the numeric tag for packets traveling through trunk links.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is “X” or “V”, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:** 0|2|0|1

## **Positions 1150-1189**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

## **VPN NM – Virtual Private Network Name**

Identifies the private network name used to keep the data private as it passes through the connecting nodes of a local or wide area network.

**USAGE:** This field is conditional.

**NOTE 1:** Optional when the first position of the REQTYP field on the ASR Form is "X" or "V", otherwise prohibited.

**DATA CHARACTERISTICS:** 40 alpha/numeric characters

**EXAMPLE:** |C|O|N|A|M|E|X|0|1|D|U|S| | | | | | | |

**Positions 1190-1191**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**SOPTCON** – Optical Connector (Secondary)

Identifies the type of optical fiber connector at the secondary location.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 2 alpha characters

**EXAMPLE:** |S|C

**Positions 1192-1194**

**Requesting Company: Verizon**  
**Date Assigned: April 12, 2013**

**SCSHIELD – Cable Shielding (Secondary)**

Identifies the type of twisted pair (copper) cabling at the secondary location.

**VALID ENTRIES:**

STP = Shielded Twisted Pair  
UTP = Unshielded Twisted Pair

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** |U|T|P|

**Positions 1195-1197**

**Requesting Company: Verizon**  
**Date Assigned: May 9, 2013**

**EGRESS – Egress Profile**

Identifies the profiles out of the provider's network which determines how individual frames will be prioritized.

**VALID ENTRIES:**

Profile specified as G1, G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12, G13, G14, G15, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, or R15

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 3 alpha/numeric characters

**EXAMPLE:** |G|7|

**Positions 1198**

**Requesting Company: Verizon**  
**Date Assigned: May 9, 2013**

**COLO OR – Colocation Restricted Override Indicator**

Indicates that the customer has access to a colocation restricted site.

**VALID ENTRIES:**

Y = Access to a colocation restricted site

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:**

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **6. ALPHA/NUMERIC GLOSSARY**

The following table is an alpha numeric cross-reference glossary of the Company Specific ECI Access Service Request Form.

### **COMPANY SPECIFIC ECI ACCESS SERVICE REQUEST FORM**

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
PON	2	Purchase Order Number
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **7. COMPANY SPECIFIC ECI ACCESS SERVICE CONFIRMATION FORM DESCRIPTION**

7.1 The Company Specific ECI Access Service Confirmation Form provides the customer with the information necessary for control and tracking of the applicable request(s) for the provisioning of access service.

7.2 The access order guidelines incorporate the following requirements for the population of form entries.

- Required - is defined as the field must be populated.
- Optional - is defined as the field may or may not be populated.
- Prohibited - is defined as the field must not be populated.
- Conditional - is defined as the field is dependent upon the relationship to another entry as specified in the usage statement and is dependent upon the presence, absence or combination of other data entries.

7.3 Section 11 depicts a Company Specific ECI Access Service Confirmation Form with each of the entry fields numbered. These numbers correspond to field definitions in Section 7.1. Section 10.0 contains an alphabetic listing of the fields cross-referenced to the field numbers depicted in Section 11.

## **7.1 ADMINISTRATIVE SECTION**

### **1. CCNA – Customer Carrier Name Abbreviation**

Identifies the COMMON LANGUAGE IAC code for the customer submitting the ASR and receiving the Confirmation Notice (CN).

**NOTE 1:** This code is provided by the provider prior to the submission of the Access Service Request.

**NOTE 2:** The CCNA field entry must be identical to the CCNA field on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 3 alpha characters

**EXAMPLE:** M|C|I

## **2. PON – Purchase Order Number**

Identifies the customer's unique purchase order or requisition number that authorizes the issuance of this request or supplement.

**NOTE 1:** This PON field entry must be identical to the PON field entry on the ASR Form.

**USAGE:** This field is required.

**DATA CHARACTERISTICS:** 16 alpha/numeric characters

**EXAMPLE:** |8|2|4|Z|9| | | | | | | | | | | | | | | |

### **3. VER – Version Identification**

Identifies the customer version number.

**NOTE 1:** This VER field entry must be identical to the VER field entry on the ASR Form.

**USAGE:** This field is conditional.

**DATA CHARACTERISTICS:** 2 alpha/numeric characters

**EXAMPLE:** A

#### **4. ASR NO – Access Service Request Number**

Identifies the number that may be generated by the provider mechanized systems, pre-assigned to the customer by the provider, or manually assigned by the provider to identify a customer's request for service.

**NOTE 1:** The ASR NO field entry MUST be identical to the ASR NO field entry on the ASR Form.

**USAGE:** This field is conditional.

**NOTE 1:** Required when ASR NO is pre-assigned to the customer.

**NOTE 2:** Required on all supplements when PON is not unique.

**NOTE 3:** Otherwise optional.

**DATA CHARACTERISTICS:** 18 alpha/numeric characters maximum

**EXAMPLE:** |3|1|2|3|4|5|6|7|8|9|0|1| | | | | | |

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **8. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION ASR LEVEL)**

This section contains the record layout forms associated with the Company Specific Access Service Confirmation ASR level data. ASR level data applies unilaterally to all services on the access service request.

The intent of the forms is to depict the current field assignments. These records will be maintained by the OBF Committee through the ATIS OBF Manager. Fields will be assigned in sequential order.

Section 8.1 describes the current Company Specific ECI record (Access Service Confirmation ASR level).

**NOTE:** Record Positions 1 -> 100 will be used for control data information. Company Specific Access Service Confirmation ASR level data will begin at Record Position 101.

**8.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION ASR LEVEL)**

**INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
CO	101-104	Central Office Announcement
CHPD	105	Call History Package Delivery
NSLB	106	Notification of Subscriber Line Break
NON-SUB	129	Non Presubscription
TOGP	253-267	Toggable Parameter
BTN	268-277	Billing Telephone Number
RID	281-288	Record Issue Date

## **Positions 101-104**

### **C.O. - Central Office Announcement**

Identifies the number of rings which should be heard by the caller before s/he is directed to a call in progress announcement. The delay announcement for queued calls on hunt group feature provides alternative treatments for incoming callers to a multi-line hunt group that is subject to queuing. This feature allows timed audible ringing tone followed by a customer selected combination of announcements separated by silence, music, or audible ringing tone.

#### **VALID ENTRIES:**

1 – 99 = number of rings before directing calls  
R = Remove  
No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the QUE field is blank.

**NOTE 2:** Required when ordering the Central Office Announcement feature.

**NOTE 3:** Prohibited when the first character of the Request Type (REQTYP) field contains a value other than "A".

**NOTE 4:** Right most position is reserved for the value of "R" to remove this feature.

**DATA CHARACTERISTICS:** 4 alpha/numeric characters

**EXAMPLES:** 0|9| |

| | | |R|

**Positions 105**

**Requesting Company: SBC**  
**Date Assigned: April 3, 1992**

**CHPD - Call History Package Delivery**

Identifies the requirement to provide the customer with real time information on telephone calls that are terminated to a designated FGA multi-line hunt group (MLHG). The information to and from the customer to support this feature and its options is passed over a dedicated Network Access Link.

**VALID ENTRIES:**

B = Call History Package Delivery  
R = Remove option  
No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the Request Type (REQTYP) field contains a value other than "S".

**NOTE 2:** Prohibited when the "Make Busy Arrangement" field or "Notification of Subscriber Line Break" field is populated.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** **[B]**

## **Position 106**

### **NSLB – Notification of Subscriber Line Break**

Identifies a requirement to allow a customer's equipment to be signaled by specific provider equipment (Central Office Scanner) located in the central office. Approximately every 60 seconds or less, the end user's lines are monitored for breaks. The customer's equipment polls the central office scanner (COS) which will alert the alarm company of any breaks in the end user's lines.

#### **VALID ENTRIES:**

- B = Subscriber Line Break Alarm Service (Specify in remarks the FGA Telephone Number (s))
- R = Remove option
- No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the first position of the Request Type (REQTYP) field contains a value other than "S".

**NOTE 2:** Prohibited when the "Make Busy Arrangement" field, "Audible Message Waiting Indication" or "Call History Package Delivery" field is populated.

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** B

## **Position 129**

### **NON-SUB - Non Presubscription**

Identifies that the trunks are to be used for routing non-presubscription traffic.

#### **VALID ENTRIES:**

B = install

R = Remove

No entry = indicates no change or requirement

**USAGE:** This field is conditional.

**NOTE 1:** Prohibited when the TTT field on the Feature Group B-C-D form contains a value other than "1".

**NOTE 2:** Required when requesting that only non-presubscription traffic is routed over the trunks being ordered.

**NOTE 3:** Prohibited when the Traffic Type (TRFTYP) field only contains terminating traffic type values (e.g., "DA-" and "TT-").

**DATA CHARACTERISTICS:** 1 alpha character

**EXAMPLE:** [B]

## **Positions 253-267**

## **TOGP – Toggable Parameter**

Identifies the specific toggleable parameter(s) the customer has requested for application to the designated Dedicated Network Access Link (DNAL) for Signaling System 7 (SS7) usage measurement.

**NOTE 1:** The customer may request specific parameters from specific provider switches.

**VALID ENTRIES:**

ATP = Access Transport Parameter  
CIP = Carrier identification Parameter  
GAP = Generic Address Parameter  
UUI = User to User Identification Parameter

**NOTE 1:** One or more toggleable parameters may be ordered on the same Access Service Request (ASR).

**USAGE:** This field is conditional.

**NOTE 1:** Required only when the customer selects the Message Formulation rate category with the toggleable parameters as stated in valid entries, otherwise optional.

**DATA CHARACTERISTICS:** 15 alpha characters

**EXAMPLES:** |C| I |P| | | | | | | | | | | | | |

**NOTE 1:** This example illustrates ordering of one toggable parameter.

|C| I |P| , |A| T |P| | | | | | | | |

**NOTE 1:** This example illustrates ordering of two toggleable parameters.

### **Positions 253-267 (continued)**

#### **TOGP – Toggable Parameter**

[A|T|P| , |G|A|P| , |U|U|I| | | | ]

**NOTE 1:** This example illustrates ordering of three toggable parameters.

[A|T|P| , |C|I|P| , |G|A|P| , |U|U|I| ]

**NOTE 1:** This example illustrates ordering of four toggable parameters.

## **Positions 268-277**

### **BTN - Billing Telephone Number**

Identifies the billing telephone number.

**USAGE:** This field is optional.

**DATA CHARACTERISTICS:** 12 numeric characters (including 2 preprinted hyphens)

**EXAMPLE:** |3|0|3|-|1|2|3|-|2|3|4|5|

**Positions 281-288**

**Requesting Company: Qwest**  
**Date Assigned: April 12, 2002**

**RID – Record Issue Date**

Identifies the date that all service order designs and assignments are to be sent to the central office. This date will be used to support cancellation processes.

**VALID ENTRIES:**

U.S. Standard	Metric Format
Two Digit Month (01-12)	Two Digit Century (00-99)
Two Digit Day (01-31)	Two Digit Year (00-99)
Two Digit Century (00-99)	Two Digit Month (01-12)
Two Digit Year (00-99)	Two Digit Day (01-31)

**USAGE:** This field is conditional.

**NOTE 1:** Required if the DLRD field is not populated, else prohibited.

**DATA CHARACTERISTICS:** 8 alpha/numeric characters (excluding 2 hyphens)

**EXAMPLES:** |0|3|-|2|2|-|2|0|0|2|

|2|0|0|2|-|0|3|-|2|2|

## **9. COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION CIRCUIT LEVEL)**

This section contains the record layout forms associated with the Company Specific Access Service Confirmation Circuit level data. Circuit level data applies only to individual services on the access service request.

The intent of the forms is to depict the current field assignments. These records will be maintained by the OBF Committee through the ATIS OBF Manager. Fields will be assigned in sequential order.

Section 9.1 is to describe the current Company Specific ECI record (Access Service Confirmation Circuit level).

**NOTE:** Record Positions 1 -> 100 will be used for control data information. Company Specific Access Service Confirmation Circuit level data will begin at Record Position 101.

\* There are currently no customer specific fields on this record.

**9.1 COMPANY SPECIFIC ECI RECORD (ACCESS SERVICE CONFIRMATION CIRCUIT LEVEL)**

**INDEX**

<u>Field Name</u>	<u>Record Positions</u>	<u>Field Description</u>
ACCESSID	457-484	Access Circuit Identifier
ACCESSORD	485-501	Access Order Number
PORTID	502-529	Port Circuit Identifier
PORTORD	530-546	Port Order Number
VCCID	547-574	Virtual Connection Circuit Identifier
VCORD	575-591	Virtual Connection Order Number
VLAN TAG	592-595	Virtual Local Area Network Tag

**Positions 457-484**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**ACCESSID – Access Circuit Identifier**

Identifies the provider assigned physical access/transport circuit identifier.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the ACCESSID should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the ACCESSID are not populated, the component should be compressed to eliminate any spaces.

**VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.3 and 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and the ACCESSID has been assigned by the provider, otherwise optional.

**ACCESSID** – Access Circuit Identifier (continued)

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** |W|X| / |K|D|G|S| / |1|2|3|4|5|6| / | | / |V|Z|N|



## **Positions 485-501**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

## **ACCESSORD** – Access Order Number

Identifies the provider service order number for the access/transport circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and the ACCESSID has been assigned by the provider, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|8|6|0|2|4|1|6| | | | | | | | | |

**Positions 502-529**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**PORTID – Port Circuit Identifier**

Identifies the provider assigned physical circuit identifier for the Private Internet Protocol port.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the PORTID should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the PORTID are not populated, the component should be compressed to eliminate any spaces.

**VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.3 and 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and the PORTID has been assigned by the provider, otherwise optional.

**PORCID** – Port Circuit Identifier (continued)

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** |W|X| / |K|D|G|S| / |1|2|3|4|5|6| / | | / |V|Z|N|



## **Positions 530-546**

**Requesting Company: Verizon  
Date Assigned: July 8, 2011**

## **PORTORD** – Port Order Number

Identifies the provider service order number for the Private Internet Protocol port circuit.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and a PORTID has been assigned by the provider, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|8|6|0|2|4|1|6| | | | | | | | | | |

**Positions 547-547**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**VCCID – Virtual Connection Circuit Identifier**

Identifies the provider assigned logical Ethernet or Permanent Virtual Connection circuit identifier.

**NOTE 1:** The provider assigning this circuit identifier determines the content of this field in accordance with COMMON LANGUAGE standards maintained by Telcordia Technologies.

**NOTE 2:** When a component within the format is purposely omitted, the component should still be delimited and compressed to eliminate any spaces.

**NOTE 3:** All components within the VCCID should be delimited by either virgules or periods.

**NOTE 4:** If all positions in a component within the VCCID are not populated, the component should be compressed to eliminate any spaces.

**VALID ENTRIES:**

COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) as defined by ANSI in ATIS-0300097: Structure for the Identification of Telecommunications Connections for the North American Telecommunications Systems or by COMMON LANGUAGE in BR-795-402-100. A brief summary of the format can be found in ASOG Practice 000, Section 2.14.3 and 2.14.4.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and the VCCID has been assigned by the provider, otherwise optional.

**VCCID** – Virtual Connection Circuit Identifier (continued)

**DATA CHARACTERISTICS:** 28 alpha/numeric characters

**EXAMPLE:** |W|X| / |V|L|P|X| / |1|2|3|4|5|6| / | | / |V|Z|N|



## **Positions 575-591**

**Requesting Company: Verizon  
Date Assigned: July 8, 2011**

**VCORD** - Virtual Connection Order Number

Identifies the provider service order number for the Ethernet or Permanent Virtual Connection circuit identifier.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V”, and the VCCID has been assigned by the provider, otherwise optional.

**DATA CHARACTERISTICS:** 17 alpha/numeric characters

**EXAMPLE:** |C|8|6|0|2|4|1|6| | | | | | | | | | |

**Positions 592-595**

**Requesting Company: Verizon**  
**Date Assigned: July 8, 2011**

**VLAN TAG – Virtual Local Area Network Tag**

Identifies the numeric tag for packets traveling through trunk links.

**USAGE:** This field is conditional.

**NOTE 1:** Required when the RT field on the CN Form is “F”, the first position of the REQTYP field on the ASR Form is “X” or “V” and a VLAN TAG is assigned by the provider, otherwise prohibited.

**DATA CHARACTERISTICS:** 4 numeric characters

**EXAMPLE:**

0	2	0	1
---	---	---	---

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **10. ALPHA/NUMERIC GLOSSARY**

The following table is an alpha numeric cross-reference of the Company Specific ECI Access Service Confirmation Form.

### **COMPANY SPECIFIC ECI ACCESS SERVICE CONFIRMATION FORM**

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASR NO	4	Access Service Request Number
CCNA	1	Customer Carrier Name Abbreviation
PON	2	Purchase Order Number
VER	3	Version Identification

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **11. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM NUMBERED**

(Insert Your Company Logo Here)

### **IC/EC Specific Enhanced Access Service Request**

V50  
03/15

#### **Administrative Section**

CCNA	PON	VER	ASR NO
1	2	3	4

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**

## **12. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM CAMERA READY**

(Insert Your Company Logo Here)

### **IC/EC Specific Enhanced Access Service Request**

V50  
03/15

#### **Administrative Section**

CCNA	PON	VER	ASR NO
[ ]	[ ]	[ ]	[ ]

This Form may not be reproduced, distributed, or used without the express written permission of the Alliance for Telecommunications Industry Solutions.  
Permission may be obtained by contacting ATIS 1200 G Street NW, Suite 500, Washington, DC 20005.  
Telephone number: 202-628-6380; e-mail: [copyright@atis.org](mailto:copyright@atis.org)

**THIS PAGE INTENTIONALLY LEFT BLANK.**