



ATIS STANDARD

ATIS-0404000-0051 - ATIS-0404028-0051

**ACCESS SERVICE ORDERING
GUIDELINES (ASOG)
Version 51
September 19, 2015**

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ASOG V51 SYNOPSIS OF CHANGES

ISSUES INCLUDED IN THIS SYNOPSIS	
ISSUE NUMBER	DESCRIPTION
3505	Allow ordering for Private IP and Dedicated Internet Services
3516	ASOG: Enhance the ASOG to incorporate gaps between ASOG and MEF OVC and ENNI Service Attributes
3522	ASOG: Increase length of Case Number (CNO) field in practice 001
3523	ASOG: Update Link Aggregation Group ID (LAG-ID) field usage rule in ASR Practices 005, 008 and 013
3526	ASOG: Update all occurrences of the IP Address field to remove the “version” from the definition
3527	ASOG: Add WACD1 and WACD2 fields in ASR Practice 008
3528	ASOG: Amend documentation for MEF references

ASOG V51 SYNOPSIS OF CHANGES

The following table depicts the type of change category definitions:		
TYPE OF CHANGE	=	CATEGORY DEFINITIONS
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 V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
Overview						
000a	3505	Definitions	TEXT	Added 9 new definitions		
000a	3505	Form and Practices	TEXT	Added 3 new preparation guides		
000a	3505	Right/Left Justifications	TEXT	Added new 3rd bullet and moved current 3rd bullet to 4th bullet		
000a	3505	Service Specific Forms	TEXT	Added 2 new forms - DIS, PIP		
000a	3505	Additional Forms	TEXT	Added 1 new form - PVC		
000a	3505	Ordering Forms Matrix	MATRIX	Added 5 new Ordering Matrices to support PIP, PVC and DIS		
000a	3505	Ordering Forms Matrix	HEADING	Added 5 new Ordering Matrix headings to support PIP, PVC and DIS		
000a	3505	Form Descriptions	TEXT	Added 3 new form descriptions for PIP, DIS, PVC		
000b	3505	Ethernet Virtual Connection Service (EVC): General	TEXT	Added text to support Private IP ordering (REQTYP P)		
000b	3505	Stand alone Ethernet Virtual Connection Configurations	GRAPHICS	Added new Ethernet Virtual Connection Configuration diagram and table in 21.3.6 to support Private IP ordering		
000b	3505	Stand alone Ethernet Virtual Connection Configurations	HEADING	Added new Ethernet Virtual Connection Configuration heading 21.3.6 to support Private IP ordering		

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
000b	3505	Combination Ethernet Virtual Connection Configurations	GRAPHICS	Added new Ethernet Virtual Connection Configuration diagram and table in 21.4.5 & 21.4.6 to support Private IP ordering.		
000b	3505	Combination Ethernet Virtual Connection Configurations	HEADING	Added new Ethernet Virtual Connection Configuration headings 21.4.5 & 21.4.6 to support Private IP ordering.		
000b	3505	Dedicated Internet Services	HEADING	Added new main heading to support Dedicated Internet Services		
000b	3505	Dedicated Internet Services	HEADING	Added new sub headings 24.1 through 24.3 to support Dedicated Internet Services		
000b	3505	General	TEXT	Added new section		
000b	3505	Dedicated Internet Configurations	GRAPHICS	Added new Dedicated Internet Service Configuration diagrams and tables in 24.2.1 through 24.2.8.		
000b	3505	Dedicated Internet Configurations	HEADING	Added new Dedicated Internet Service Configuration headings 24.2.1 through 24.2.8 to support Dedicated Internet ordering.		
000b	3505	Private Internet Protocol (PIP) Services	HEADING	Added new main heading to support PIP Services		
000b	3505	Private Internet Protocol (PIP) Services	HEADING	Added new PIP sub headings 25.1 through 25.3		
000b	3505	General	TEXT	Added new section		

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SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
000b	3505	PIP Service Ordering Guidelines	TEXT	Added new section	
000b	3505	PIP Service Configurations	GRAPHICS	Added new PIP Service Configuration diagrams and tables in 25.3.1 through 25.3.6.	
000b	3505	PIP Service Configurations	HEADING	Added new PIP Service Configuration headings 25.3.1 through 25.3.6 to support Dedicated Internet ordering.	
000b	3505	Permanent Virtual Connection (PVC) Service	HEADING	Added new main heading to support PVC Services	
000b	3505	Private Internet Protocol (PIP) Services	HEADING	Added new PIP sub headings 26.1 through 26.2	
000b	3505	General	TEXT	Added new section	
000b	3505	PVC Service Configurations	GRAPHICS	Added new PVC Service Configuration diagrams and tables in 26.2.1.1 through 26.2.1.4 to support combination PIP and PVC ordering. Add new PVC Service Configuration diagrams and tables in 26.2.2.1 through 26.2.2.3 to support stand-alone PVC ordering.	
000b	3505	Combination PORT and PVC	HEADING	Added new PVC Configuration headings 26.2.1.1 through 26.2.1.4 to support combination PIP and PVC ordering.	
000b	3505	Stand-Alone PVC	HEADING	Added new PVC Service Configuration headings 26.2.2.1 through 26.2.2.3 to support stand-alone PVC ordering.	
ASR					
001	3522	CNO	DCL	Modified field length from 12 to 16 characters	16

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
001	3522	CNO	FORM	Expanded field length on camera ready and numbered forms		
001	3522	CNO	EX	Added two new examples		
001	3505	REQTYP	VE	Added 2 new valid entries - D and P		
001	3505	ACT	VEN	Modified valid entry note 5 associated to ACT C and valid entry note 2 associated to ACT D,M and valid entry note 1 associated to ACT T		
001	3505	ACT	TEXT	Added text to support PVC ordering including text notes 1-3		
001	3505	EU	NEW	Added new field		
001	3505	QSA	DEFN	Added definition note 2		
001	3505	QSA	USEN	Modified usage note 1, added usage notes 2, 10, 11, and renumbered all remaining usage notes to have prohibited notes above required notes.		
001	3505	EVCI	DEF	Modified definition		
001	3505	EVCI	VEN	Modified valid entry notes 1, 2, 3, & 4		
001	3505	EVCI	USEN	Modified usage note 1 and added usage notes 2 & 3		
001	3505	PVCI	NEW	Added new field		
001	3505	NPVC	NEW	Added new field		
001	3505	RTR	VEN	Modified valid entry note 1 associated to RTR F, N, S and valid entry note 2 associated to RTR 1-10		
001	3505	AFO	VEN	Added new note 5 and renumbered existing note 5 to 6		
001	3505	CKR	USEN	Modified usage note 1		

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SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change		Field Length
001	3505	ECCKT	USEN	Modified usage note 1		
001	3505	QTY	DEFN	Added definition note 10		
001	3505	QTY	USEN	Added usage note 3, renumbered all remaining usage notes to have prohibited notes above required notes and modified usage note 4.		
001	3505	ACTL	USEN	Modified usage note 1, added new notes 5 & 6 and renumbered remaining notes.		
001	3505	APOT	DEFN	Added definition note 4		
001	3505	LAG	USEN	Modified usage note 1		
001	3505	ASC-EC	USEN	Modified usage note 1		
001	3505	SPEC	USEN	Modified usage note 1		
001	3505	EU	GLOSSARY	Added new field		
001	3505	PVCI	GLOSSARY	Added new field		
001	3505	NPVC	GLOSSARY	Added new field		
001	3505	EU	FORM	Added new field to numbered and camera ready form		
001	3505	PVCI	FORM	Added new field to numbered and camera ready form		
001	3505	NPVC	FORM	Added new field to numbered and camera ready form		
FG A						
002						
WAL						

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
003						
Trunking						
004						
Transport						
005	3516	MSFS	FN	Changed field name from UNI-MSFS to MSFS		
005	3516	MSFS	DEF	Added /ENNI to definition		
005	3516	MSFS	DEFN	Added MEF 26.1 to definition notes		
005	3516	MSFS	USE	Changed usage statement		
005	3516	MSFS	USEN	Added Usage Note 1		
005	3516	MSFS	VE	Modified valid entry verbiage		
005	3516	MSFS	EX	Changed Example to correct frame size from 1522 to 1526		
005	3516	MSFS	GLOSSARY	Changed field name from UNI-MSFS to MSFS		
005	3516	MSFS	FORM	Changed field name from UNI-MSFS to MSFS		
005	3516	LAG-P	DEFN	Added MEF 10.3 to definition		
005	3523	Link Aggregation Group ID	USEN	Change Usage Note 1		
MSL						
006						
ACI						

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
007	3516	MSFS	FN	Changed field name from UNI-MSFS to MSFS		
007	3516	MSFS	DEF	Added /ENNI to definition		
007	3516	MSFS	DEFN	Added MEF 26.1 to definition notes		
007	3516	MSFS	USE	Changed usage statement		
007	3516	MSFS	USEN	Added Usage Note 1		
007	3516	MSFS	VE	Modified valid entry verbiage		
007	3516	MSFS	EX	Changed Example to correct frame size from 1522 to 1526		
007	3516	MSFS	GLOSSARY	Changed field name from UNI-MSFS to MSFS		
007	3516	MSFS	FORM	Changed field name from UNI-MSFS to MSFS		
007	3516	LAG-P	DEFN	Added MEF 10.3 to definition		
007	3526	IP ADDRESS	DEF	Modified definition.		
007	3505	ACI Request Form Description	TEXT	Added two new form allowances in section 2.2 for PIP and DIS		
007	3505	OFC	NEW	Added new field (PRILOC)		15
007	3505	OFC	NEW	Added new field (SECLOC)		15
007	3505	IPAI	DEFN	Added new definition notes 1 & 2		
007	3505	IPAI	USEN	Modified usage note 1 & add new usage notes 2 through 5		

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SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
007	3505	IP ADDRESS2	NEW	Added new field		39
007	3505	IPA12	NEW	Added new field		1
007	3505	SUBNET MASK2	NEW	Added new field		15
007	3505	ES	USEN	Modified usage note 1 and added usage notes 2 & 3		
007	3505	PROFE	USEN	Modified usage note 1		
007	3505	ACCESS-CKT	NEW	Added new field		42
007	3505	EASBDW	NEW	Added new field		8
007	3505	OFC	GLOSSARY	Added new field (SECLOC)		
007	3505	OFC	GLOSSARY	Added new field (PRILOC)		
007	3505	IP ADDRESS2	GLOSSARY	Added new field		
007	3505	IPA12	GLOSSARY	Added new field		
007	3505	SUBNET MASK2	GLOSSARY	Added new field		
007	3505	ACCESS-CKT	GLOSSARY	Added new field		
007	3505	EASBDW	GLOSSARY	Added new field		
007	3505	OFC	FORM	Added new field to numbered and camera ready form (SECLOC)		
007	3505	OFC	FORM	Added new field to numbered and camera ready form (PRILOC)		
007	3505	IP ADDRESS2	FORM	Added new field to numbered and camera ready form		

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SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
007	3505	IPAI2	FORM	Added new field to numbered and camera ready form		
007	3505	SUBNET MASK2	FORM	Added new field to numbered and camera ready form		
007	3505	ACCESS-CKT	FORM	Added new field to numbered and camera ready form		
007	3505	EASBDW	FORM	Added new field to numbered and camera ready form		
SES						
008	3516	MSFS	FN	Changed field name from UNI-MSFS to MSFS		
008	3516	MSFS	DEF	Addition of /ENNI to definition		
008	3516	MSFS	DEFN	Addition of MEF 26.1 to definition notes		
008	3516	MSFS	VE	Modified valid entry verbiage		
008	3516	MSFS	EX	Alteration of Example to correct frame size from 1522 to 1526		
008	3516	MSFS	GLOSSARY	Changed field name from UNI-MSFS to MSFS		
008	3516	MSFS	FORM	Changed field name from UNI-MSFS to MSFS		
008	3523	Link Aggregation Group ID	USEN	Changed Usage Note 1		
008	3527	WACD1	NEW	Added new field WACD1 to Circuit detail after SM field		36
008	3527	GLOSSARY	NEW	Added WACD1		
008	3527	WACD1	FORM	Added new field WACD1 to Circuit detail after SM field		
008	3526	IP ADDRESS	DEF	Modified definition.		

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SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
OB						
009						
CN/R						
010	3505	REF NUM	USEN	Modified usage note 1		
010	3505	VC NUM	FN	Modified field name from EVC/VC NUM		
010	3505	VC NUM	DEF	Modified definition to include PVC		
010	3505	UREF	USEN	Modified usage note 1		
010	3505	VC NUM	GLOSSARY	Modified field name		
010	3505	VC NUM	FORM	Modified field name		
CN						
011	3522	CNO	DCL	Modified field length from 12 to 16 characters	16	
011	3522	CNO	FORM	Expanded field length on camera ready and numbered forms		
011	3522	CNO	EX	Added two new examples		
011	3505	SECLOC	USEN	Modified usage note 1 and added usage notes 2 & 3		
011	3505	ACCESS ORD	NEW	Added new field	17	
011	3505	ACCESS-CKT	NEW	Added new field	42	
011	3505	VC ID	FN	Modified field name from EVCID		
011	3505	VC ID	DEF	Modified definition		
011	3505	VC ID	DEFN	Modified definition notes 1 and 2 and added new definition note 3		

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SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
011	3505	VC ID	USEN	Modified usage note 1	
011	3505	VC ORD	FN	Modified field name from EVCORD	
011	3505	VC ORD	DEF	Modified definition	
011	3505	VC ORD	USEN	Modified usage note 1	
011	3505	VC CKR	FN	Modified field name from EVCCKR	
011	3505	VC CKR	DEFN	Modified definition note 1	
011	3505	VC CKR	USEN	Modified usage note 1	
011	3505	VC NUM	FN	Modified field name from EVC/VC NUM	
011	3505	VC NUM	DEF	Modified definition	
011	3505	VC NUM	USEN	Modified usage note 2	
011	3505	VC NUM	DEFN	Deleted definition note 1, modified definition note 2 and renumbered it to 1	
011	3505	DLCI	USEN	Modified usage note 1 & add new usage notes 2 and 3	
011	3505	VC ID	GLOSSARY	Modified field name	
011	3505	VC ORD	GLOSSARY	Modified field name	
011	3505	VC CKR	GLOSSARY	Modified field name	
011	3505	VC NUM	GLOSSARY	Modified field name	
011	3505	ACCESS ORD	GLOSSARY	Added new field	
011	3505	ACCESS-CKT	GLOSSARY	Added new field	
011	3505	VC ID	FORM	Modified field name	
011	3505	VC ORD	FORM	Modified field name	
011	3505	VC CKR	FORM	Modified field name	

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
011	3505	VC NUM	FORM	Modified field name	
011	3505	ACCESS ORD	FORM	Added new field to numbered and camera ready form	
011	3505	ACCESS-CKT	FORM	Added new field to numbered and camera ready form	
PC					
012					
EUSA					
013	3516	MSFS	FN	Changed field name from UNI-MSFS to MSFS	
013	3516	MSFS	DEF	Addition of /ENNI to definition	
013	3516	MSFS	DEFN	Addition of MEF 26.1 to definition notes	
013	3516	MSFS	USE	Changed usage statement	
013	3516	MSFS	USEN	Addition of Usage Note 1	
013	3516	MSFS	VE	Modified valid entry verbiage	
013	3516	MSFS	EX	Changed Example to correct frame size from 1522 to 1526	
013	3516	MSFS	GLOSSARY	Changed field name from UNI-MSFS to MSFS	
013	3516	MSFS	FORM	Changed field name from UNI-MSFS to MSFS	
013	3516	LAG-P	DEFN	Added MEF 10.3 to definition	
013	3523	Link Aggregation Group ID	USEN	Changed Usage Note 1	
EOD					
014					
SALI					
015	3505	SALI FORM DESCRIPTION	TEXT	Added two new form allowances in section 2.2 for PIP and DIS	

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
015	3505	OFC	NEW	Added new field		15
015	3505	PI	USEN	Added new note 3 and renumber existing note 3 to 4		
015	3505	EUNAME	USEN	Added new usage note 5 and renumbered remaining notes		
015	3505	NCON	USEN	Added new usage note 3 and renumbered remaining notes		
015	3505	SASN	USEN	Modified usage note 1		
015	3505	OFC	GLOSSARY	Added new field		
015	3505	OFC	FORMS	Added new field to numbered and camera ready form		
EVC						
016	3528	MSFS	DEF	Changed Definition		
016	3528	MSFS	DEFN	Changed Note 2		
016	3528	MSFS	VEN	Changed Note 1		
016	3528	CEV-P	DEFN	Changed Note 2		
016	3528	CEV-CP	DEFN	Changed Note 1		
016	3528	BUM-FD	DEFN	Changed Note 1		
016	3528	P-BIT	DEF	Changed Definition		
016	3528	CMI-I	DEF	Changed Definition		
016	3505	EVC FORM DESCRIPTION	NEW	Added 2.4 in description and footnote 1		
016	3505	NUT	VEN	Modified valid entry note 1 and added valid entry note 2		
016	3505	EPS	NEW	Added new field		30
016	3505	ASN	DEF	Modified definition to add "routing" at the end.		
016	3505	VPN-ACT	DEF	Modified definition to include VPN-NM		
016	3505	VPN-ACT	VEN	Modified valid entry notes 1-3		

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change		Field Length
016	3505	VPN-ACT	USEN	Modified usage note 1 & add new usage notes 2 and 3		
016	3505	VPN-ID	USEN	Modified usage note 1		
016	3505	VPN-NM	NEW	Added new field		30
016	3505	EPS	GLOSSARY	Added new field		
016	3505	VPN-NM	GLOSSARY	Added new field		
016	3505	EPS	FORM	Added new field to numbered and camera ready form		
016	3505	VPN-NM	FORM	Added new field to numbered and camera ready form		
VCAT						
017						
MEC						
018						
TQ						
019						
RING						
021						
ARI						
022						
VC						
023						
NAI						
024						

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
ECI					
025	3526	IP ADDRESS	DEF	Modified definition.	
PIP					
026	3505	Private Internet Protocol (PIP)	NEW	Created new PIP PRACTICE with new fields	
026	3505	Private Internet Protocol (PIP)	GLOSSARY	Created new GLOSSARY	
026	3505	CAMERA READY FORM	FORM	Created new FORM	
026	3505	ENUMERATED FORM	FORM	Created new FORM	
DIS					
027	3526	IP ADDRESS	DEF	Modified definition.	
027	3526	IP ADDRESS2	DEF	Modified definition.	
027	3505	Dedicated Internet Service (DIS)	NEW	Created new DIS PRACTICE with new fields	
027	3505	Dedicated Internet Service (DIS)	GLOSSARY	Created new GLOSSARY	
027	3505	CAMERA READY FORM	FORM	CREATED new FORM	
027	3505	ENUMERATED FORM	FORM	CREATED new FORM	
PVC					
028	3505	Permanent Virtual Connection (PVC)	NEW	CREATED new PVC PRACTICE with new fields	

ASOG V51 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES						
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change		Field Length
028	3505	Permanent Virtual Connection (PVC)	GLOSSARY	CREATED new GLOSSARY		
028	3505	CAMERA READY FORM	FORM	CREATED new FORM		
028	3505	ENUMERATED FORM	FORM	CREATED new FORM		
NOTES:						



ATIS-0404000-0051

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

Version 51



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.

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ATIS – 0404000-0051
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)

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ACCESS SERVICE REQUEST ORDERING OVERVIEW

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GENERAL SECTION

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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 Access Service Request (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 ASR does not convey licensing right to non-COMMON LANGUAGE® licensees to use the COMMON LANGUAGE code sets identified throughout the ASR 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.

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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.

Autonomous System (AS)

A collection of connected Internet Protocol (IP) routing prefixes under the control of one or more network operators that presents a common, clearly defined routing policy to the Internet. A unique Autonomous System Number (ASN) is allocated to each AS for use in Border Gateway Protocol (BGP) routing. The ASN uniquely identifies each network on the Internet.

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 (NX) 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^{sm1})

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.

¹ CLASS is a ServiceMark of Telcordia Technologies, Inc.

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.

Dedicated Internet Services

Dedicated Internet Service provides direct connection (dedicated/leased lines) to global IP networks via access from a customer's router to a provider's router providing a network infrastructure. It provides connection of local area networks [LANS], streamlines the performance of customer's wide area networks [WANS], as well as provides bandwidth requirements for cloud computing, business continuity, business process automation, and other business applications.

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.

Encapsulation

The process of sending data where the data is augmented with successive layers of control information before transmission across the network. The encapsulation may be thought of as putting a letter in an envelope for transport to another location.

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 Access

Ethernet Access provides an Ethernet handoff to the customer when connecting to Ethernet and IP services and is expressed in terms of a User Network Interface (UNI) or External Network Interface (ENNI). It provides Ethernet handoffs with connectivity to a variety of services.

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.

Multiple Virtual Routing and Forwarding (Multi-VRF)

Multi-VRF extends the concept of VRF to the Customer Edge (CE) router on the customer's premises providing the ability to configure and maintain more than one instance of a routing and forwarding table within the same CE router to support multiple, overlapping, independent routing and forwarding tables per customer. The CE supports traffic separation between customer networks.

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 ATIS-0300097 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 ATIS-0300097 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.

Permanent Virtual Connection (PVC)

A dedicated circuit link between two facilities within a physical network established for repeated/continuous use between the same Data Terminal Equipment (DTE). When a PVC is constructed, the end points of the connection will agree upon a path in which data will travel to reach its destination, therefore keeping the virtual circuit private to the users who are communicating with each other. For example, a bank’s headquarters often sets up a PVC between branch offices for continuous data exchange and transfer.

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.

Private Internet Protocol (PIP) Service

A network-based virtual private network (VPN) enabling customers to effectively communicate over a secure network which emulates the functionality of the Internet. Private IP service provides customers with the ability to support IP applications in a closed environment, similar to networks built on private lines, ATM, or Frame Relay.

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.

Virtual Private Network (VPN)

Extends a private network across a public network, such as the Internet. It enables a computer to send and receive data across shared or public networks as if it is directly connected to the private network, while benefiting from the functionality, security and management policies of the private network.

Virtual Routing and Forwarding (VRF)

A technology that allows multiple instances of a routing table to co-exist within the same router at the same time. Because the routing instances are independent, the same IP addresses can be used without conflicting with each other. VRF is also used to refer to a routing table instance that can exist in one or multiple instances per each VPN on a Provider Edge (PE) router.

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.

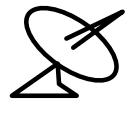
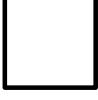
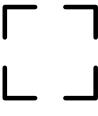
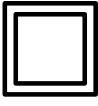
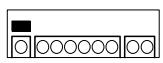
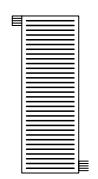
Wireless Type S Interconnection

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
	Router

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
Private Internet Protocol Form Preparation Guide	ATIS-0404026
Dedicated Internet Service Form Preparation Guide	ATIS-0404027
Permanent Virtual Connection Form Preparation Guide	ATIS-0404028

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GENERAL ORDERING RULES/INFORMATION

<u>DESCRIPTION</u>	<u>SECTION</u>
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CUSTOMER/PROVIDER ENTRIES	2.6
ORDERING/BILLING CONFIGURATIONS	2.7
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ETHERNET SERVICE ATTRIBUTES	2.15

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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.
- Leading and trailing spaces are ignored for fields that are defined as numeric only.
- 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
- Private Internet Protocol
- Dedicated Internet Service

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
- Permanent Virtual Connection
- 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/NCITM) 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 MEF Technical Specifications. For more information visit: <http://metroethernetforum.org/carrier-ethernet/technical-specifications>.

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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
DEDICATED INTERNET SERVICES (UNI/ENNI ONLY) _____	3.11
PRIVATE INTERNET PROTOCOL (UNI/ENNI ONLY) _____	3.12
PRIVATE INTERNET PROTOCOL (UNI/ENNI AND ETHERNET VIRTUAL CONNECTION (EVC) COMBINATION) _____	3.13
PRIVATE INTERNET PROTOCOL (UNI/ENNI AND PERMANENT VIRTUAL CONNECTION (PVC) COMBINATION) _____	3.14
PERMANENT VIRTUAL CONNECTION (STAND ALONE PVC) _____	3.15

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3. ORDERING FORMS MATRIX

3.1 ORDERING MATRIX – TRANSPORT (NON BROADBAND)

		SERVICE CONFIGURATION				
PRIMARY LOCATION:	ACTL	CO		PREM		PSL
		2 POINT	MULTI POINT	2 POINT	MULTI POINT	
<u>BASIC:</u>						
ASR (1)	R R	R R		R R		R
TRANSPORT	R R					R
EUSA		R R		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 C		C
SALI	C C	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 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 ND 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 POINT	2	2	2	2
<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.

3.11 ORDERING MATRIX - DEDICATED INTERNET SERVICES (UNI/ENNI ONLY)

SERVICE CONFIGURATION		
PRIMARY LOCATION:	ACTL	PREM
FORMS		
<u>BASIC:</u>		
ASR	R	R
DIS	R	R
<u>ADDITIONAL:</u>		
ACI	O	O
<u>MULTI-EC (1)</u>	C	C
SALI		C
<u>CONFIRMATION:</u>		
CN	C	C

Legend: R - Required C - Conditional O - Optional

1. The MULTI-EC Form is required when more than one provider is involved in provisioning the service.

3.12 ORDERING MATRIX - PRIVATE INTERNET PROTOCOL (UNI/ENNI ONLY)

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

Legend: R - Required C - Conditional O - Optional

1. The PVCI and EVCI fields on the ASR Form are blank.
2. SEI field on the ASR Form is blank.
3. The MULTI-EC Form is required when more than one provider is involved in provisioning the service.

**3.13 ORDERING MATRIX - PRIVATE INTERNET PROTOCOL
(UNI/ENNI AND ETHERNET VIRTUAL CONNECTION (EVC)
COMBINATION)**

SERVICE CONFIGURATION		
PRIMARY LOCATION:	ACTL	PREM
FORMS		
<u>BASIC:</u>		
ASR (1)(2)(3)	R	R
PIP	R	R
<u>ADDITIONAL:</u>		
EVC (4)	R	R
SALI		C
<u>CONFIRMATION:</u>		
CN	C	C

Legend:

R - Required

C - Conditional

O - Optional

1. The EVCI field on the ASR Form is “B”.
2. The SEI field and the PVCI field on the ASR form must be blank.
3. The PVCI field and the EVCI field are mutually exclusive for the life of the ASR.
4. EVC Form required when ordering the UNI (User Network Interface) or ENNI (External Network to Network Interface) and the Ethernet Virtual Connection or Operator Virtual Connection on the same ASR.

**3.14 ORDERING MATRIX - PRIVATE INTERNET PROTOCOL
(UNI/ENNI AND PERMANENT VIRTUAL CONNECTION (PVC)
COMBINATION)**

SERVICE CONFIGURATION		
PRIMARY LOCATION:	ACTL	PREM
FORMS		
<u>BASIC:</u>		
ASR (1)(2)(3)	R	R
PIP	R	R
<u>ADDITIONAL:</u>		
PVC (4)	R	R
SALI		C
<u>CONFIRMATION:</u>		
CN	C	C

Legend: R - Required C - Conditional O - Optional

1. The PVCI field on the ASR Form is “B”.
2. The EVCI field on the ASR Form must be blank.
3. The PVCI field and the EVCI field are mutually exclusive for the life of the ASR.
4. PVC Form required when ordering the UNI (User Network Interface) or ENNI (External Network to Network Interface) and the Permanent Virtual Connection on the same ASR.

3.15 ORDERING MATRIX – PERMANENT VIRTUAL CONNECTION (STAND ALONE PVC)

FORMS	PERMANENT VIRTUAL CONNECTION SERVICE
<u>BASIC:</u>	
ASR (1)	R
<u>ADDITIONAL:</u>	
PVC	R
<u>CONFIRMATION:</u>	
CN	C

Legend: R - Required C – Conditional O - Optional

1. The PVCI field on the ASR form is “A”.

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
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4. FORM DESCRIPTIONS

4.1 GENERAL Service is ordered using uniform order request forms. The 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.

4.25 PRIVATE INTERNET PROTOCOL (PIP) This form is used by the customer to provide information needed to order the physical port and/or access to enable a customer edge router to a provider edge router connection for access to a private Internet network. The form entries and their usage rules are described in ATIS-0404026, Private Internet Protocol (PIP) Form Preparation Guide.

4.26 **DEDICATED INTERNET SERVICE (DIS)** This form is used by the customer to provide information needed to order the physical Port and/or Access to enable a customer edge router to a provider edge router connection for access to the public Internet. The form entries and their usage rules are described in ATIS-0404027, Dedicated Internet Service (DIS) Form Preparation Guide.

4.27 **PERMANENT VIRTUAL CONNECTION (PVC)** This form is used by the customer to provide information needed to order the virtual circuit(s) to enable the customer edge router to the provider edge router connection for access to a private Internet network. The form entries and their usage rules are described in ATIS-0404028, Permanent Virtual Connection (PVC) Form Preparation Guide.

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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

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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(FO).

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

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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-0404000-0051 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.

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

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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"

- 1st POSITION = Elements ordered, not existing.
- 2nd 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"

- 1st POSITION = Elements changed
- 2nd 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"

- 1st POSITION = Elements disconnected
- 2nd 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		

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 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

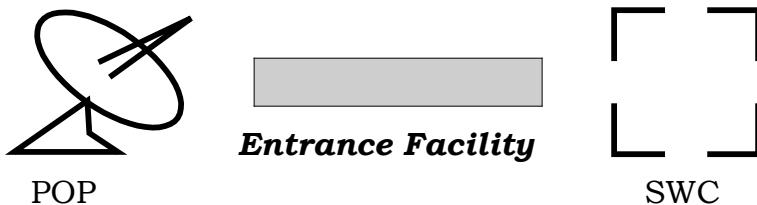
LATA ORDERING REQUIREMENTS

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

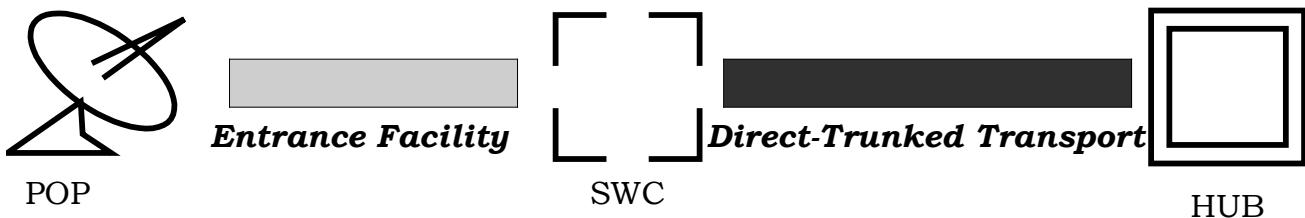
LATA ORDERING REQUIREMENTS

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

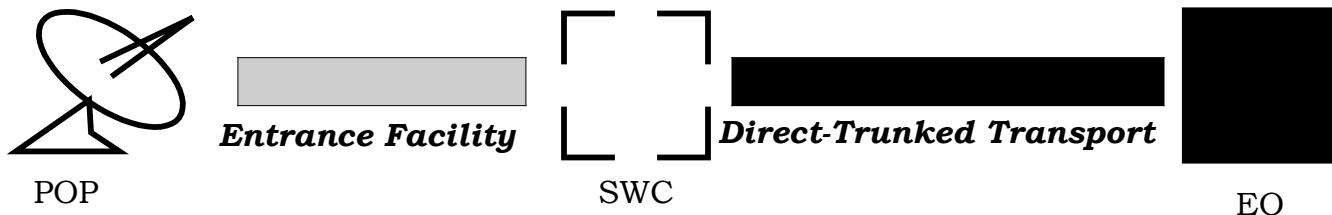
LATA ORDERING REQUIREMENTS

May be ordered at DS-1 level only

PROVISIONING

Facility from POP thru SWC to EO

ASR FORM
TRANSPORT FORM



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

LATA ORDERING REQUIREMENTS

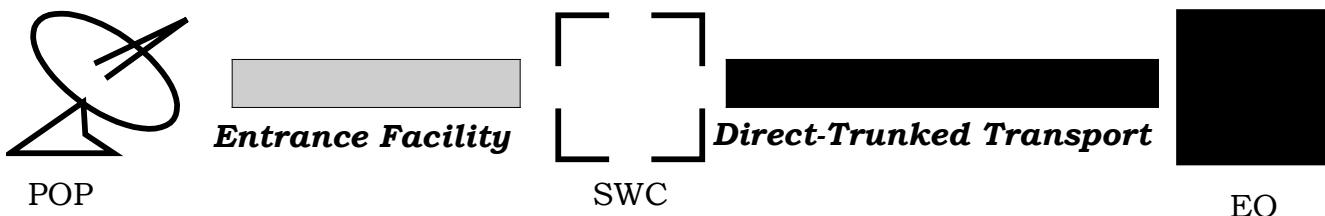
May be ordered at DS-1 or VG-1 level

PROVISIONING

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

ASR FORM
FGA FORM

VG: VG Level FGA Lines



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

LATA ORDERING REQUIREMENTS

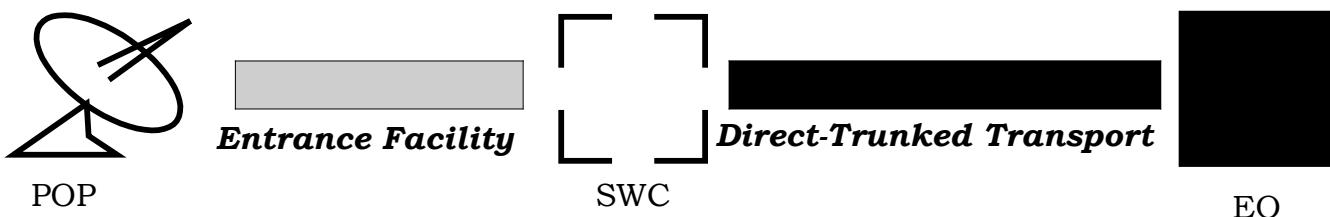
May be ordered at DS-1 or VG-1 level

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

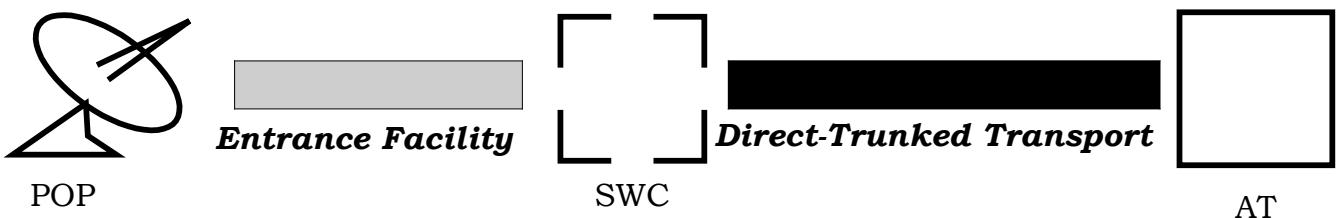
LATA ORDERING REQUIREMENTS

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

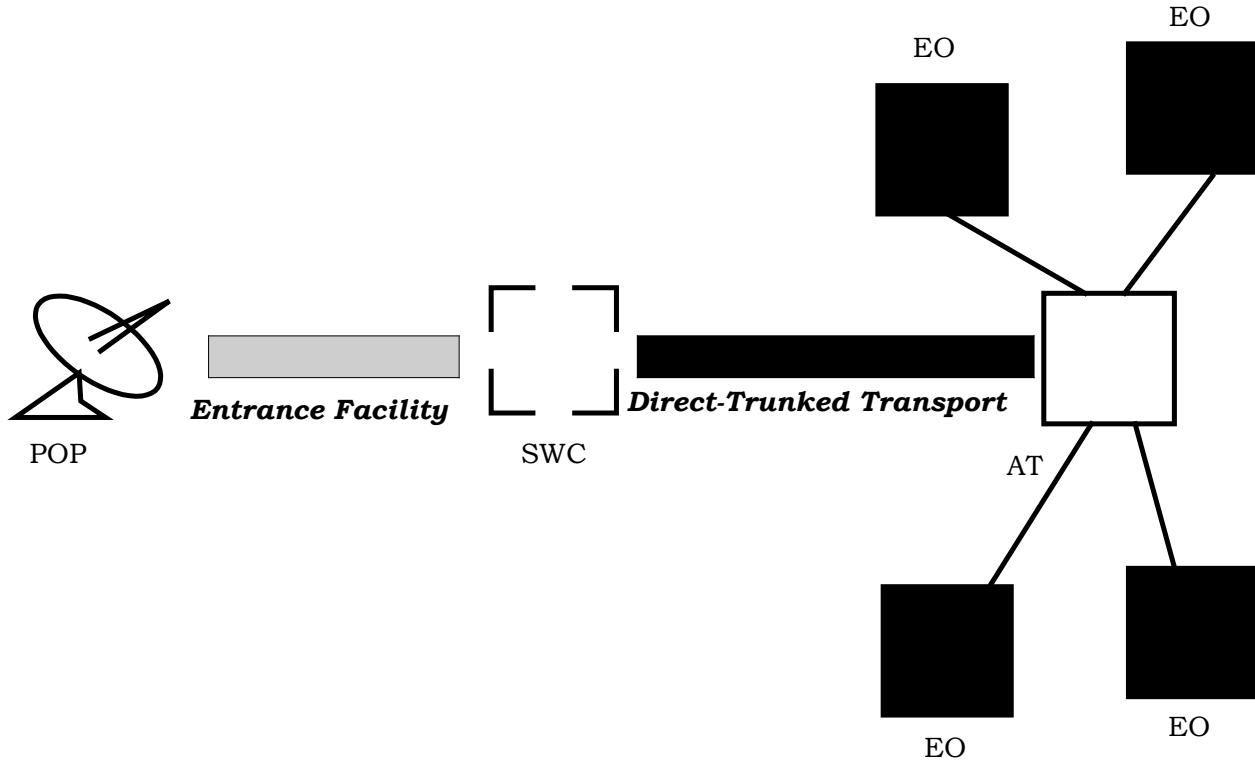
May be ordered at DS-1 or VG- level

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

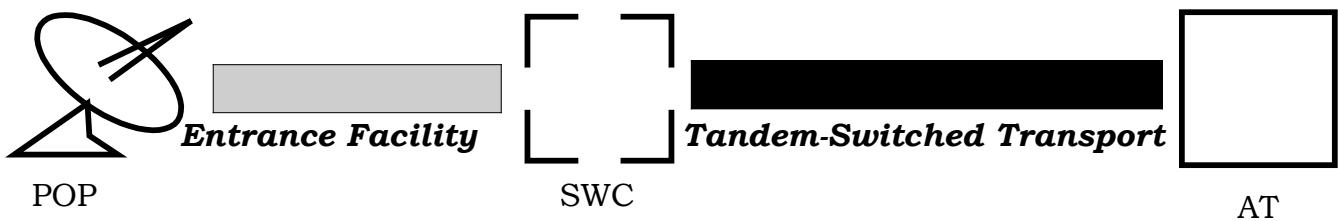
May be ordered at DS-3 or DS-1 levels.

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

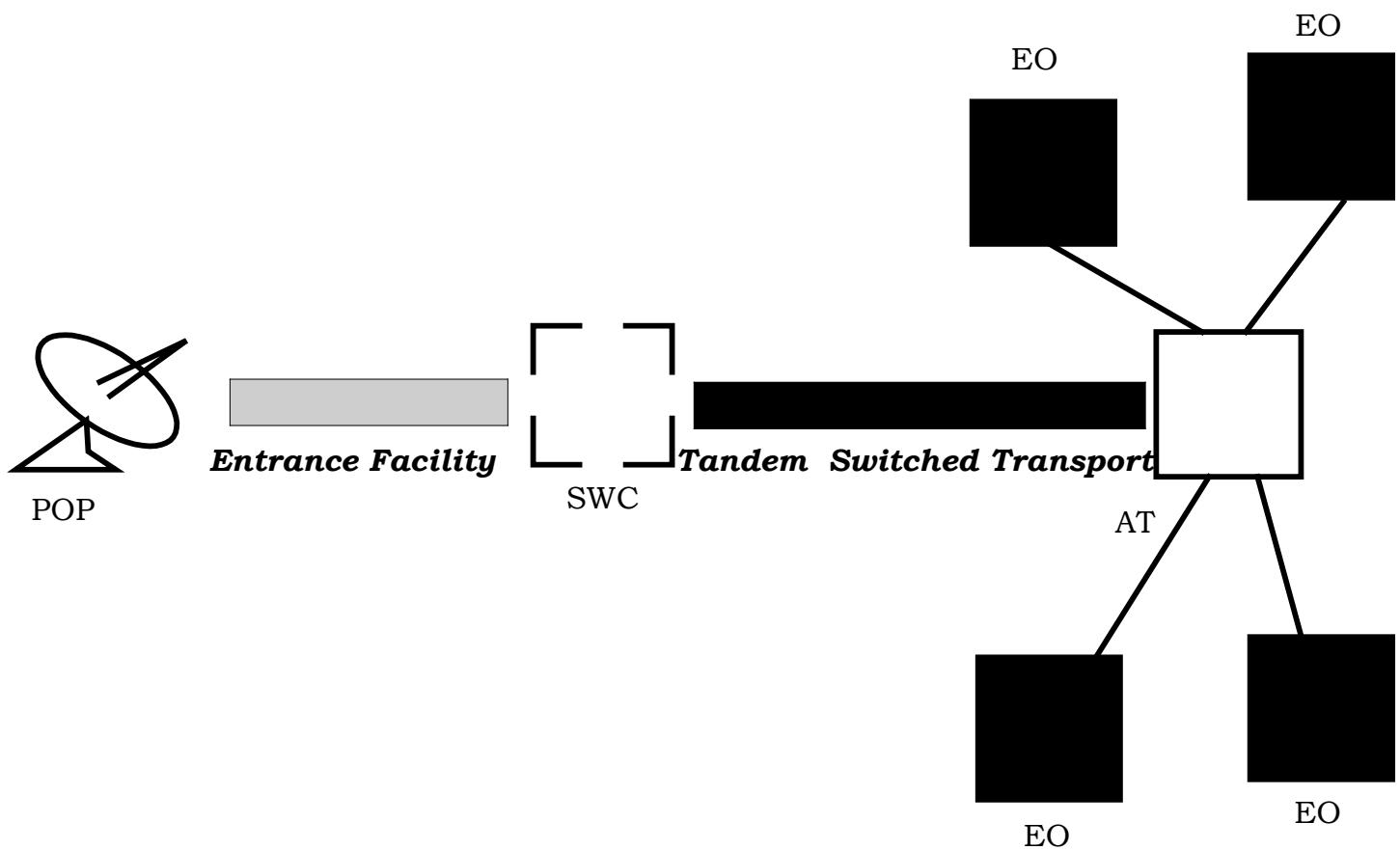
May be ordered at DS-1 or VG level.

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

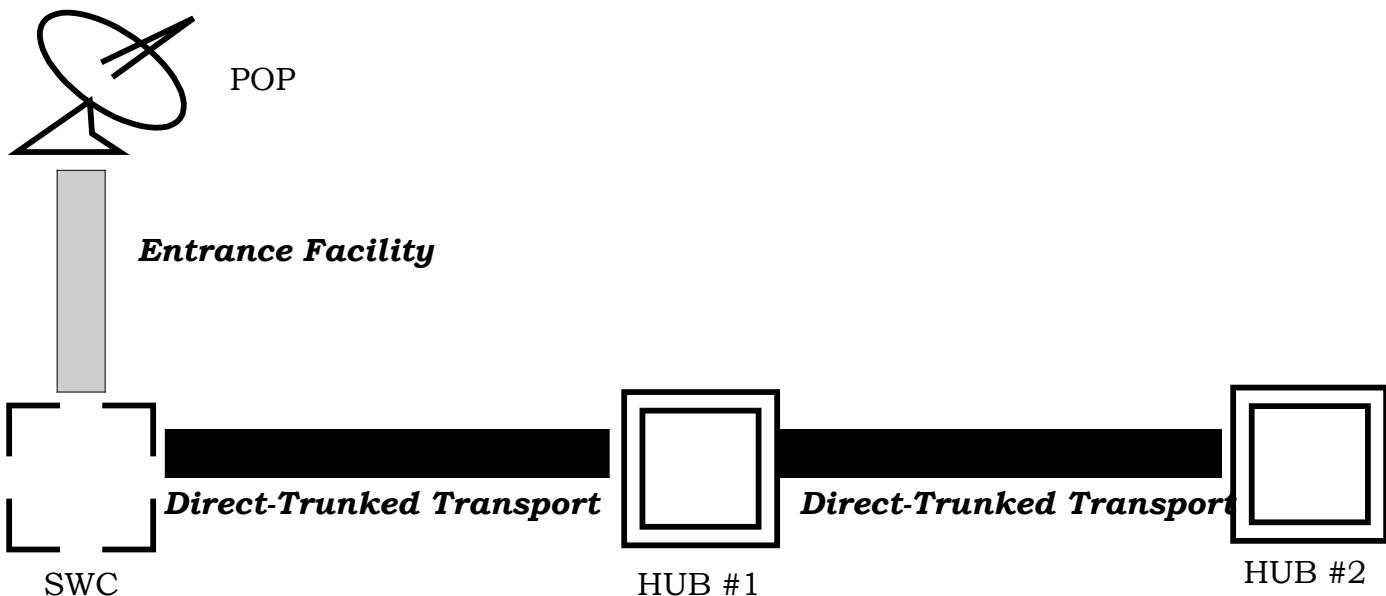
LATA ORDERING REQUIREMENTS

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

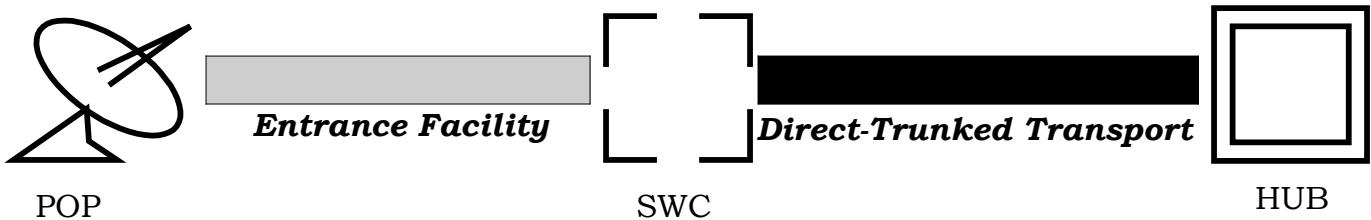
LATA ORDERING REQUIREMENTS

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

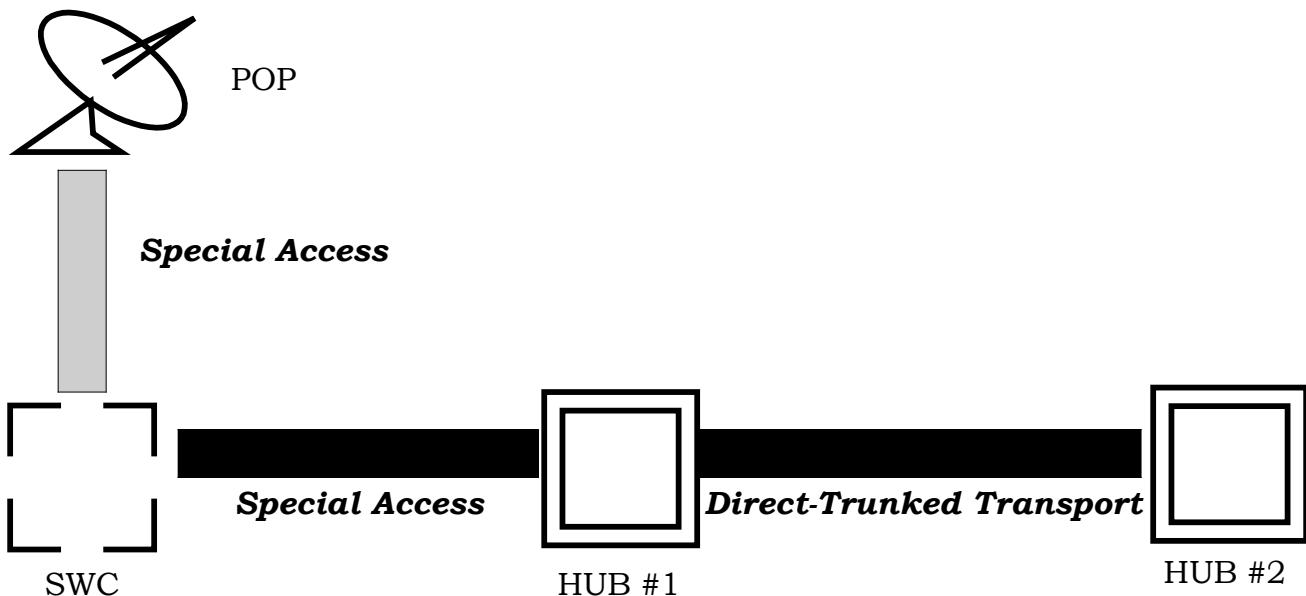
LATA ORDERING REQUIREMENTS

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**

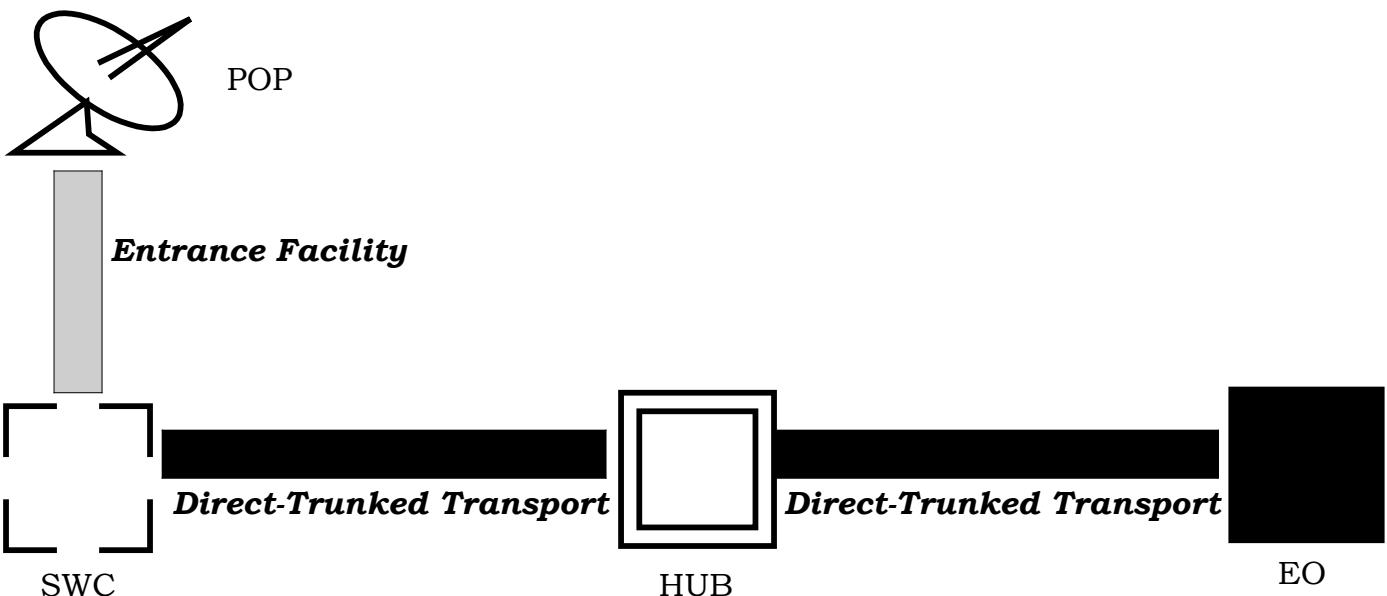
LATA ORDERING REQUIREMENTS

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**

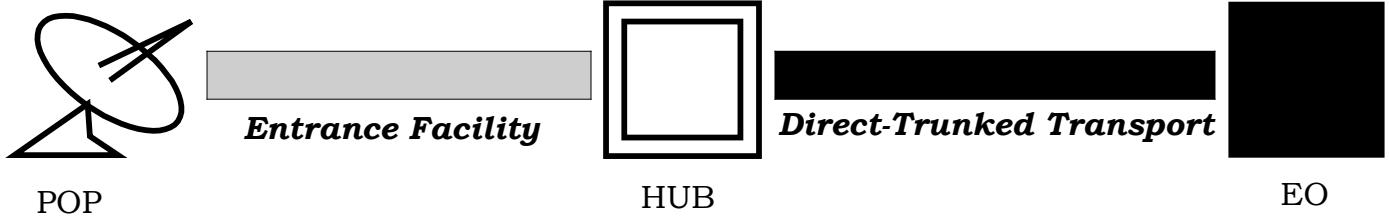
LATA ORDERING REQUIREMENTS

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**

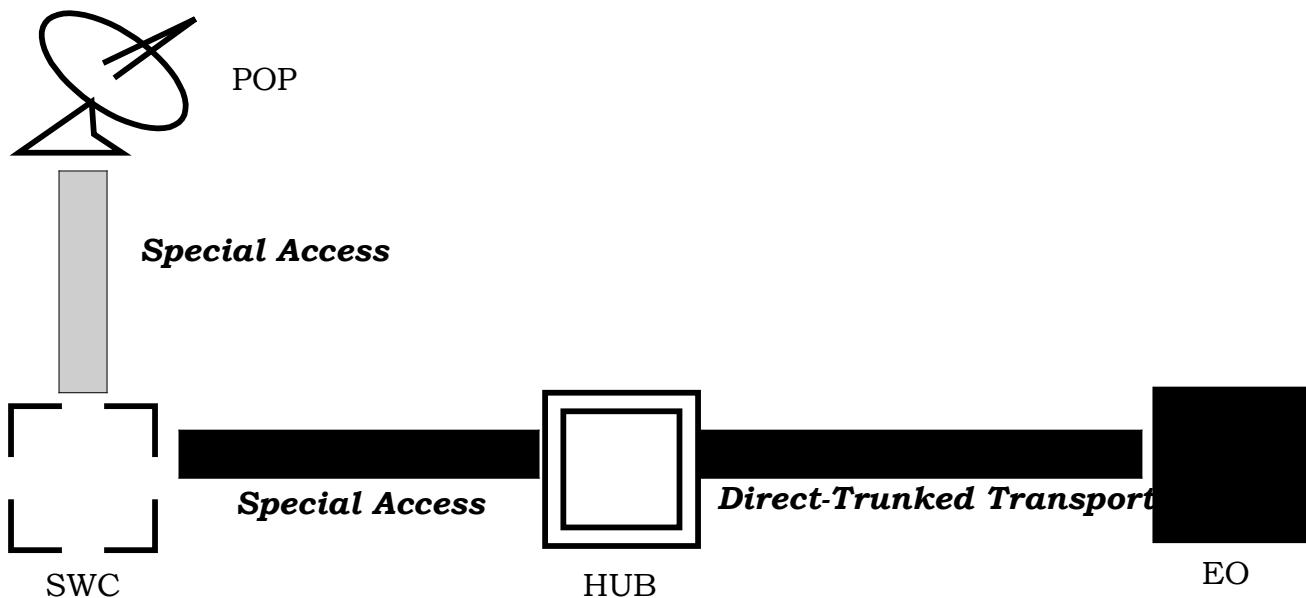
LATA ORDERING REQUIREMENTS

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

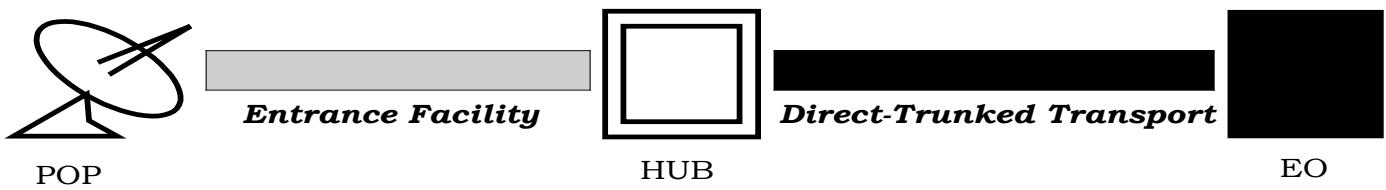
May be ordered at DS-1 or VG level.

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

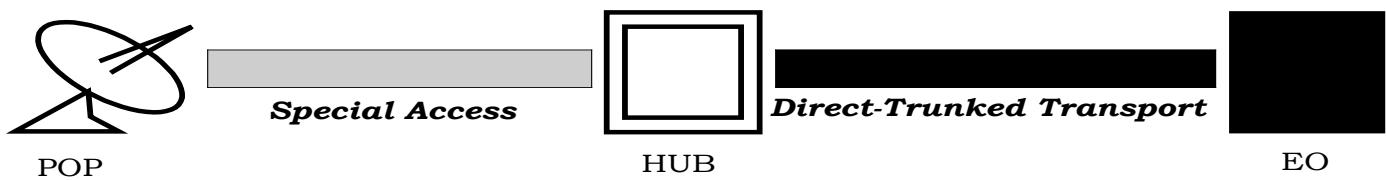
May be ordered at DS-1 or VG level.

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

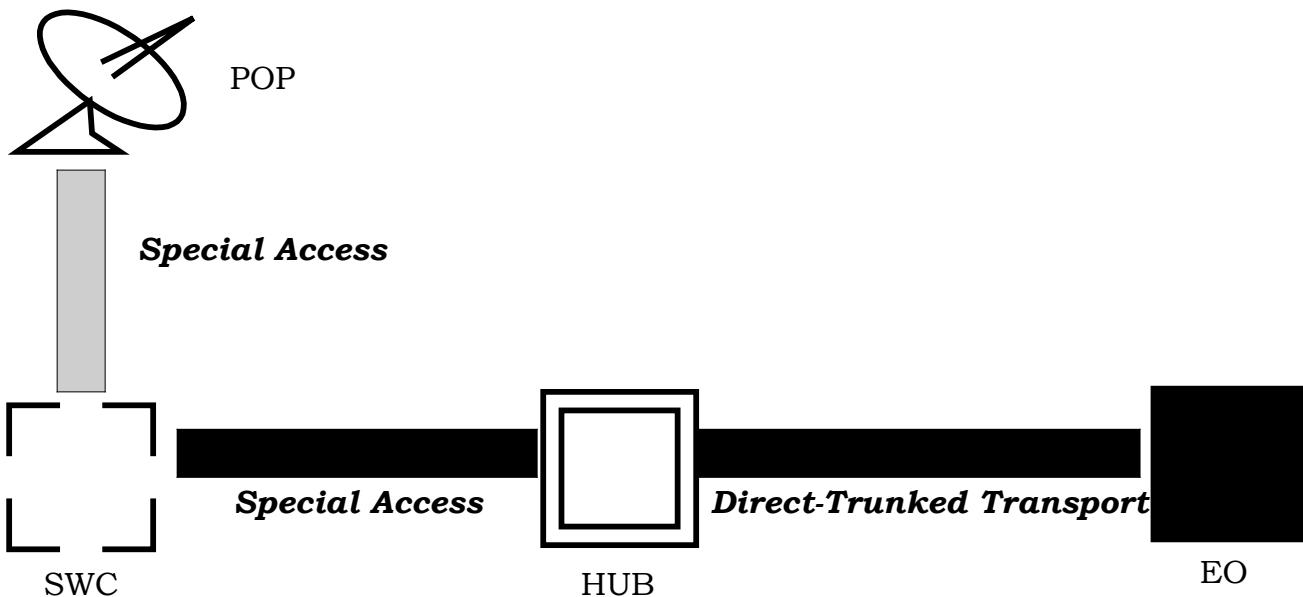
May be ordered at DS-1 or VG level.

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

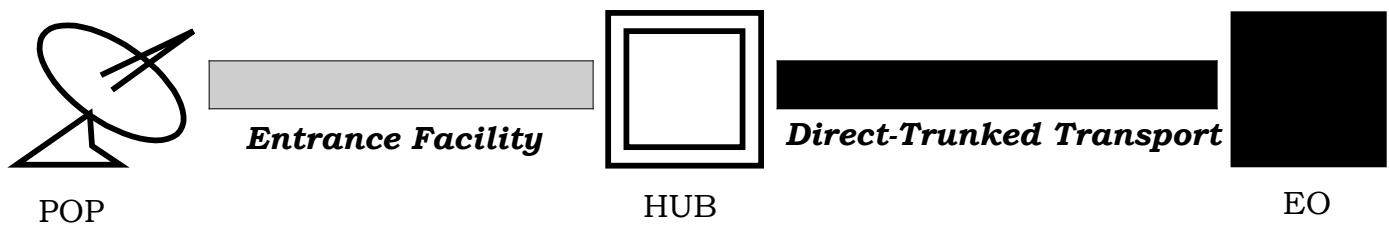
May be ordered at DS-1 or VG level.

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

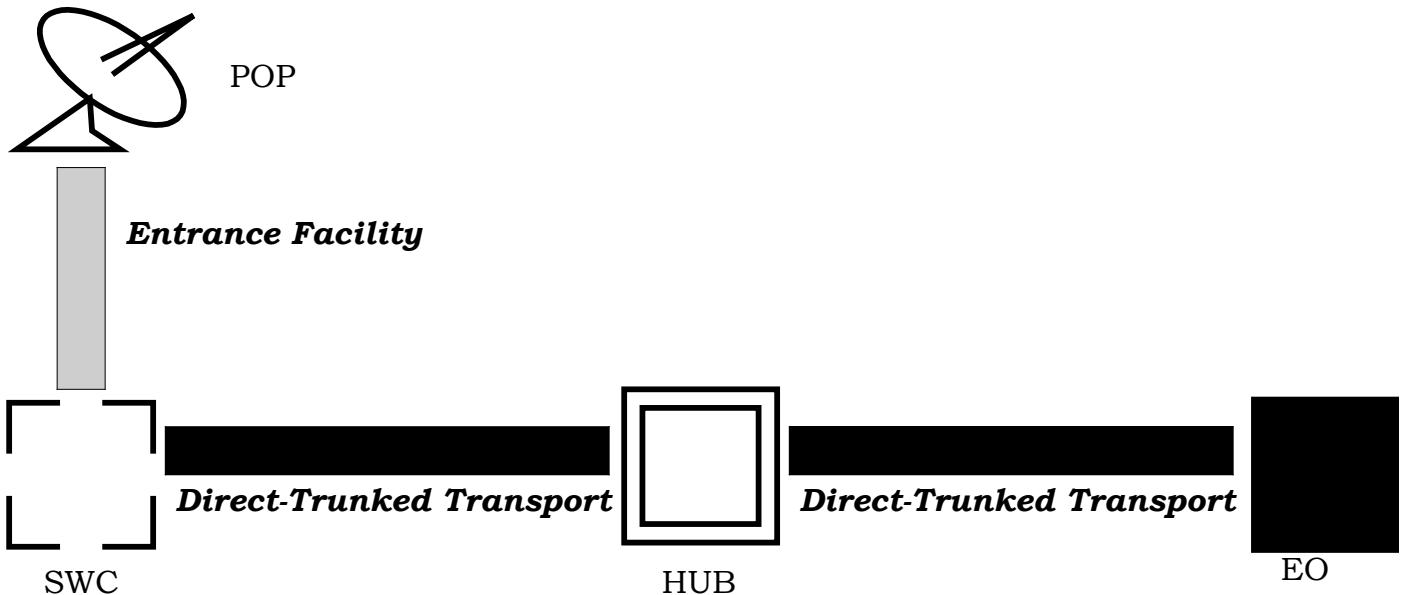
May be ordered at DS-1 or VG level.

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

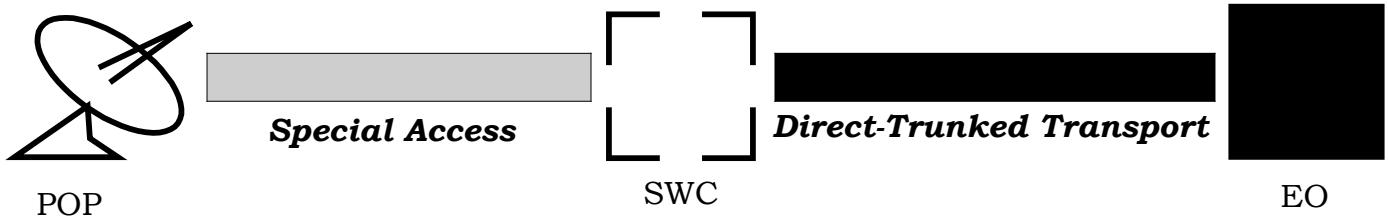
May be ordered at DS-1 or VG level.

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

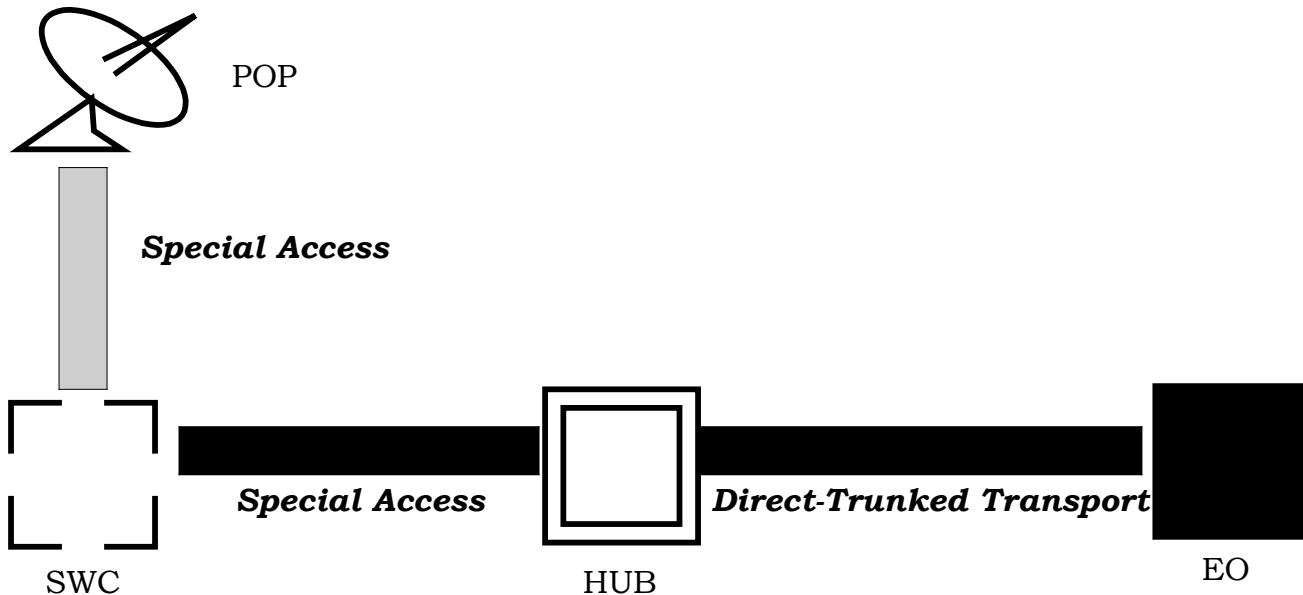
May be ordered at DS-1 or VG level.

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

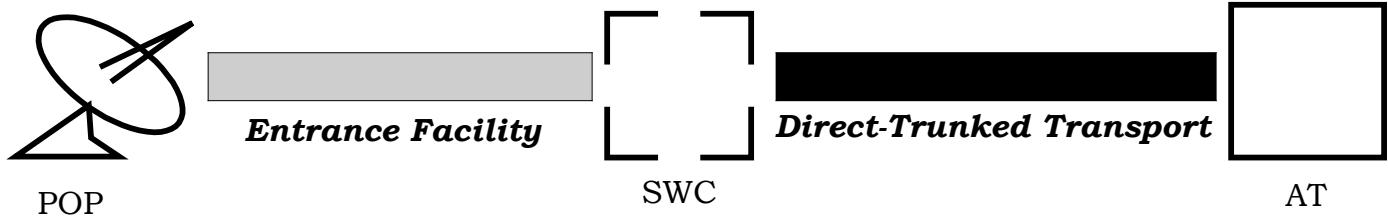
LATA ORDERING REQUIREMENTS

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

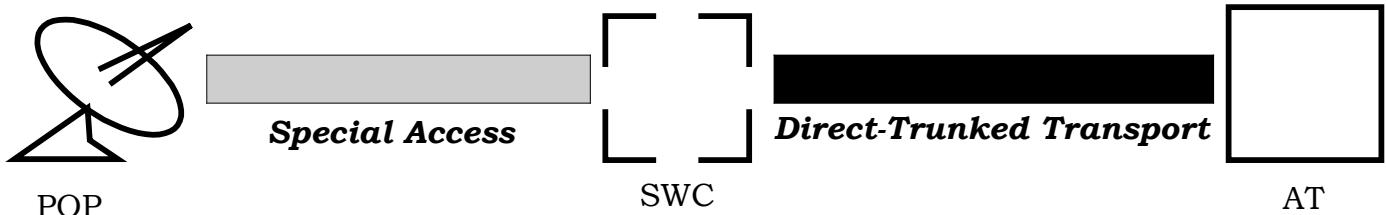
LATA ORDERING REQUIREMENTS

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

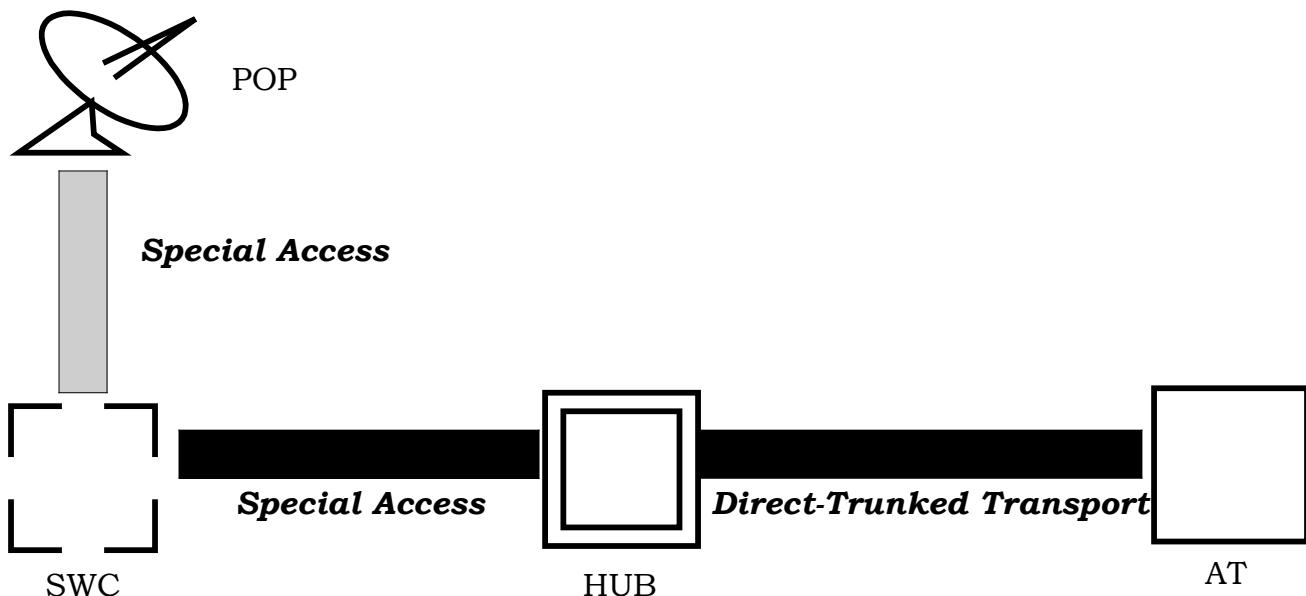
LATA ORDERING REQUIREMENTS

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

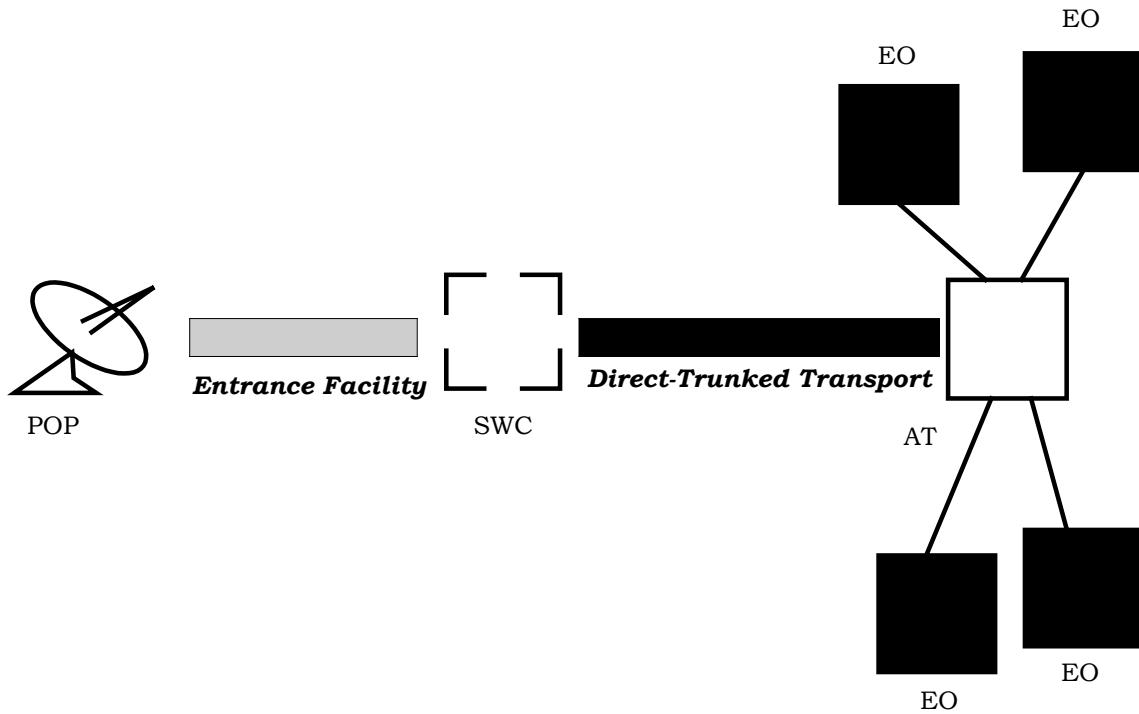
May be ordered at DS1 or VG level.

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

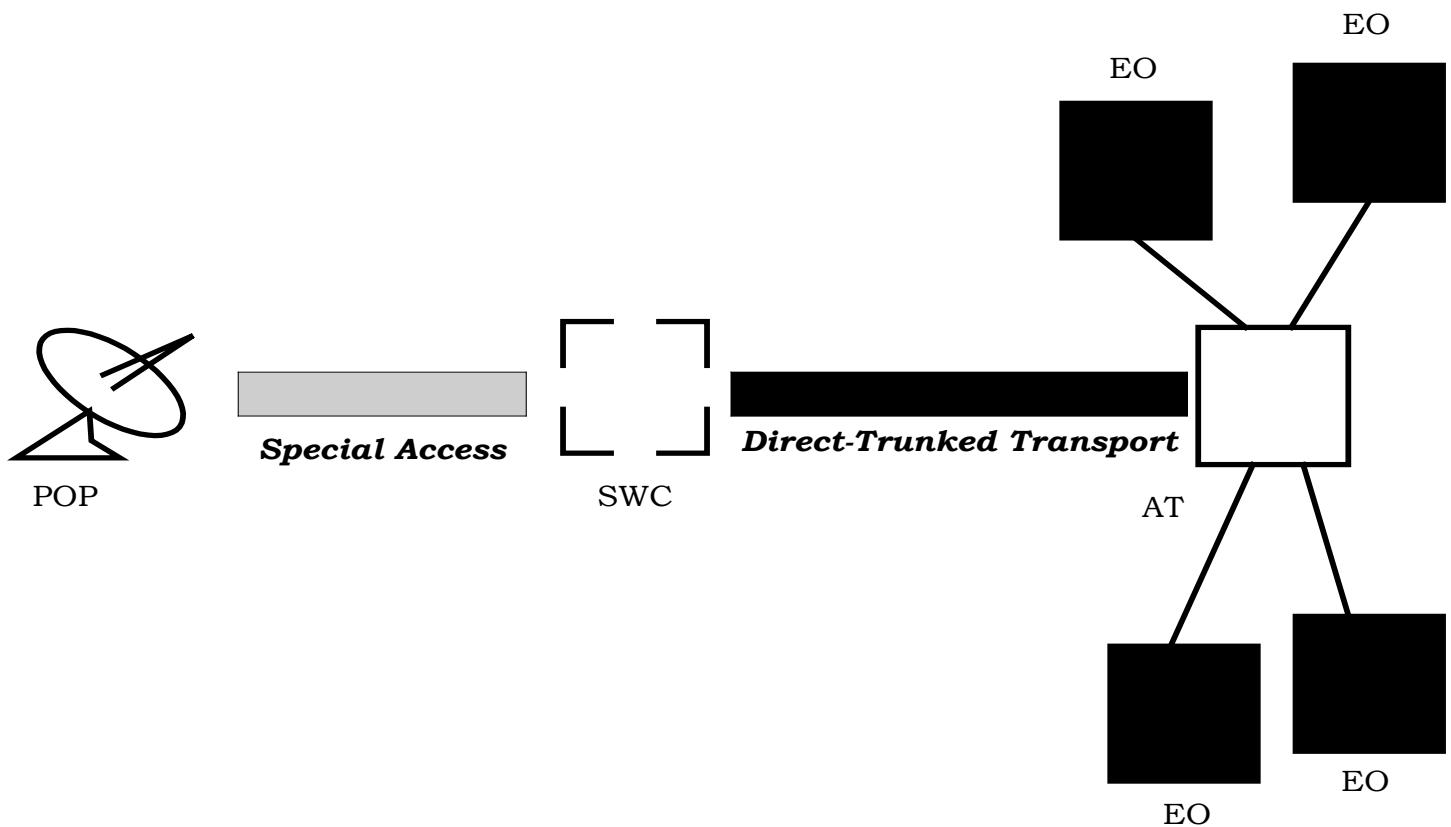
May be ordered at DS-1 or VG level.

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

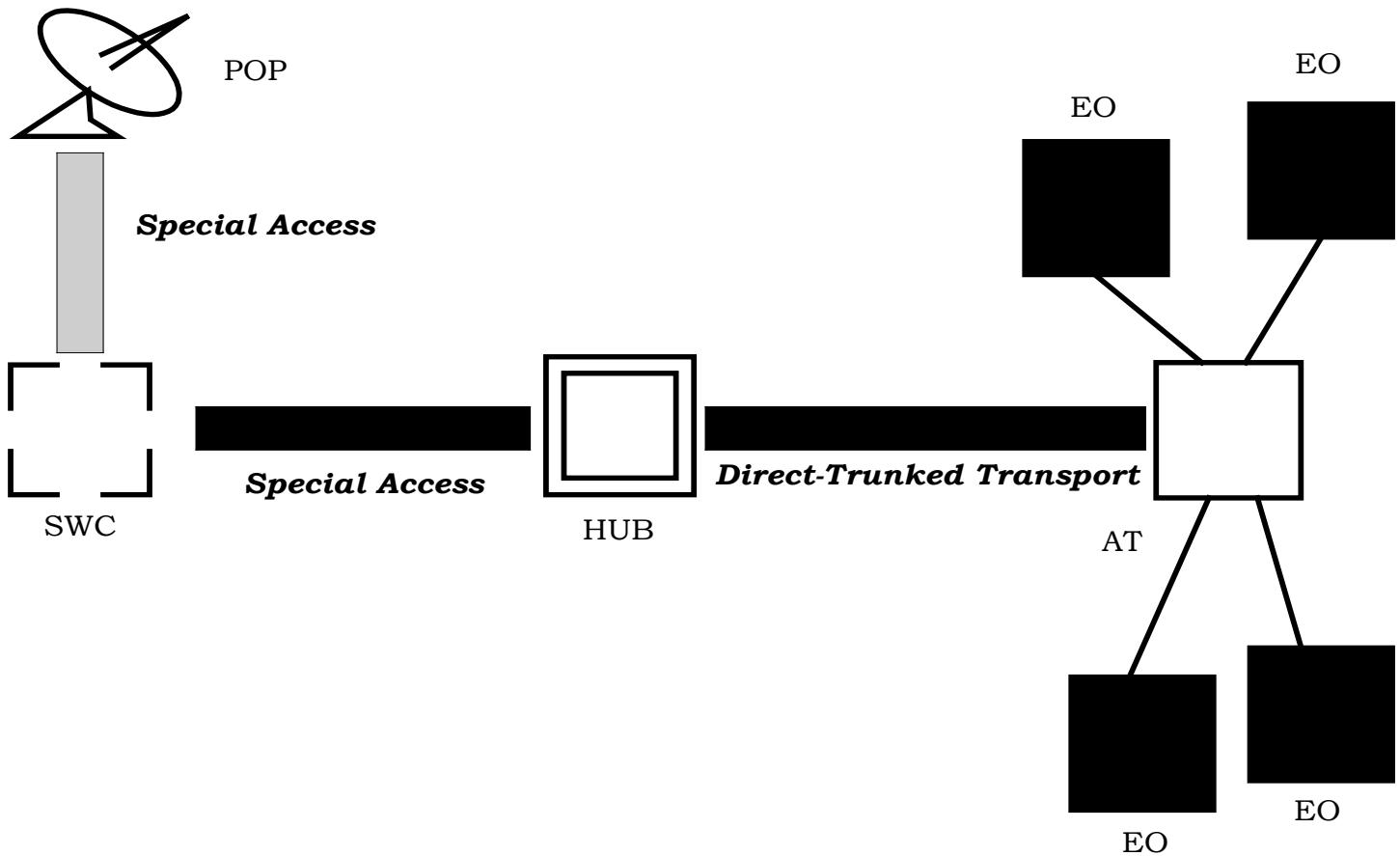
May be ordered at DS-1 or VG level.

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

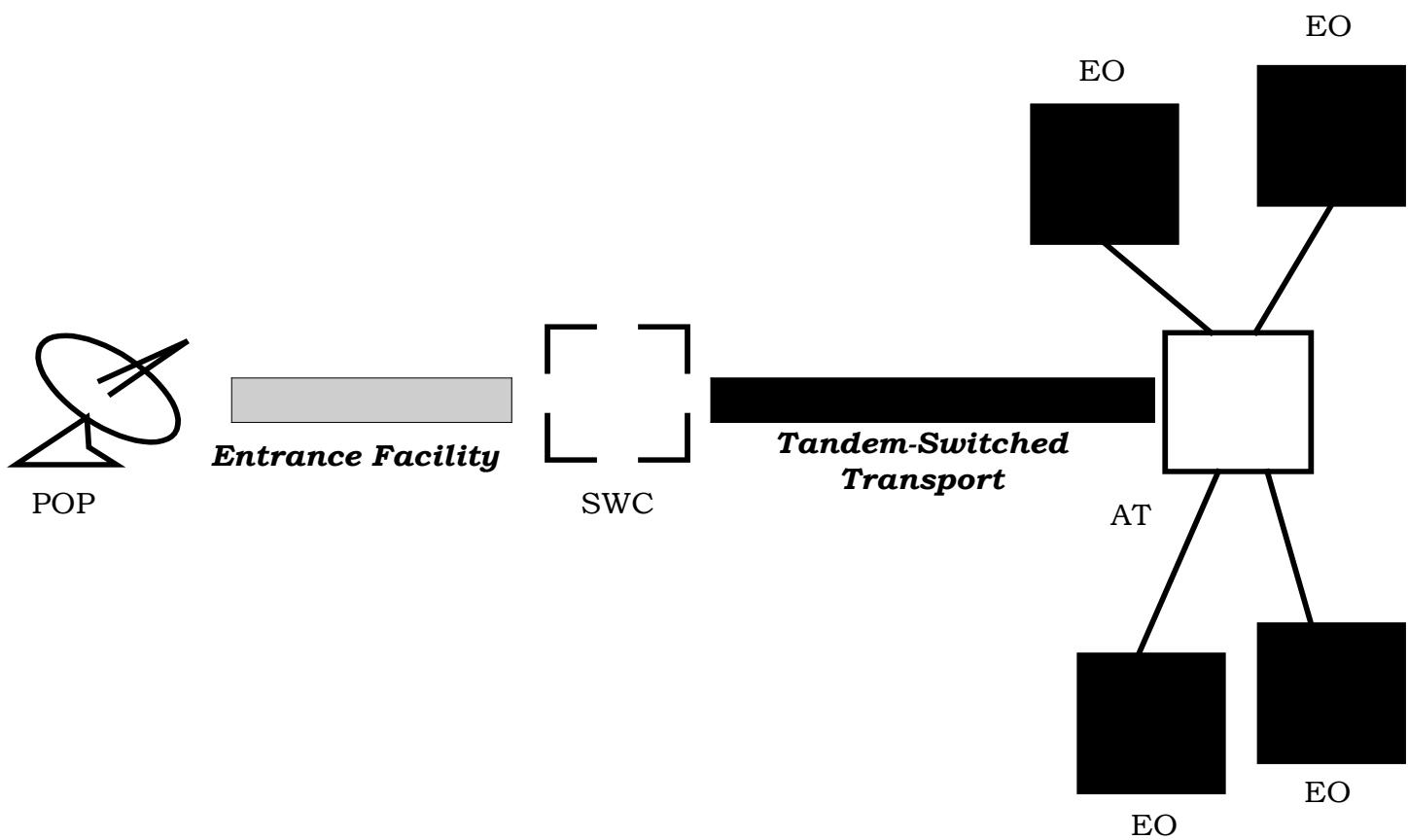
May be ordered at DS-1 or VG level.

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

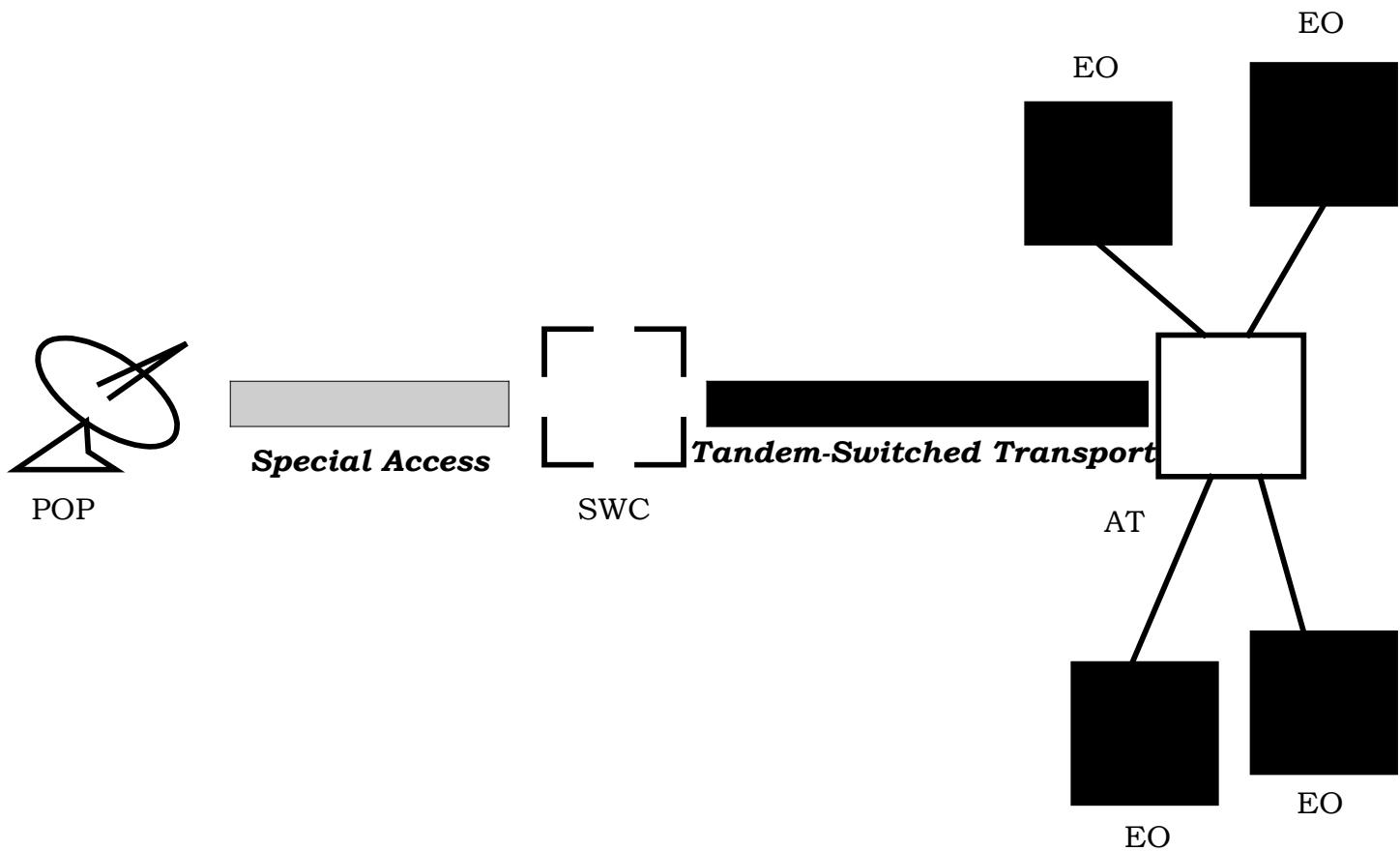
May be ordered at DS-1 or VG level.

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

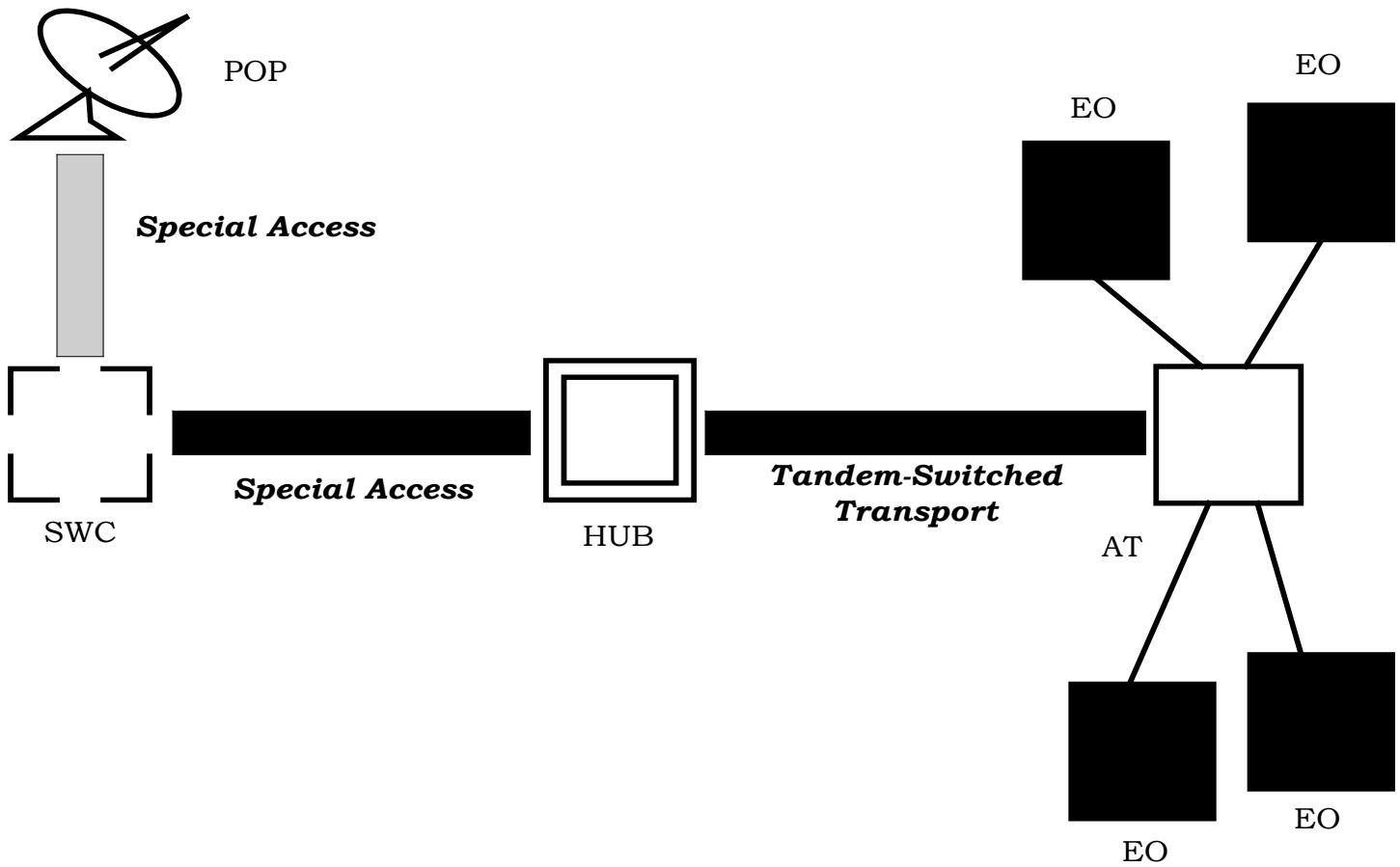
May be ordered at DS-1 or VG level.

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

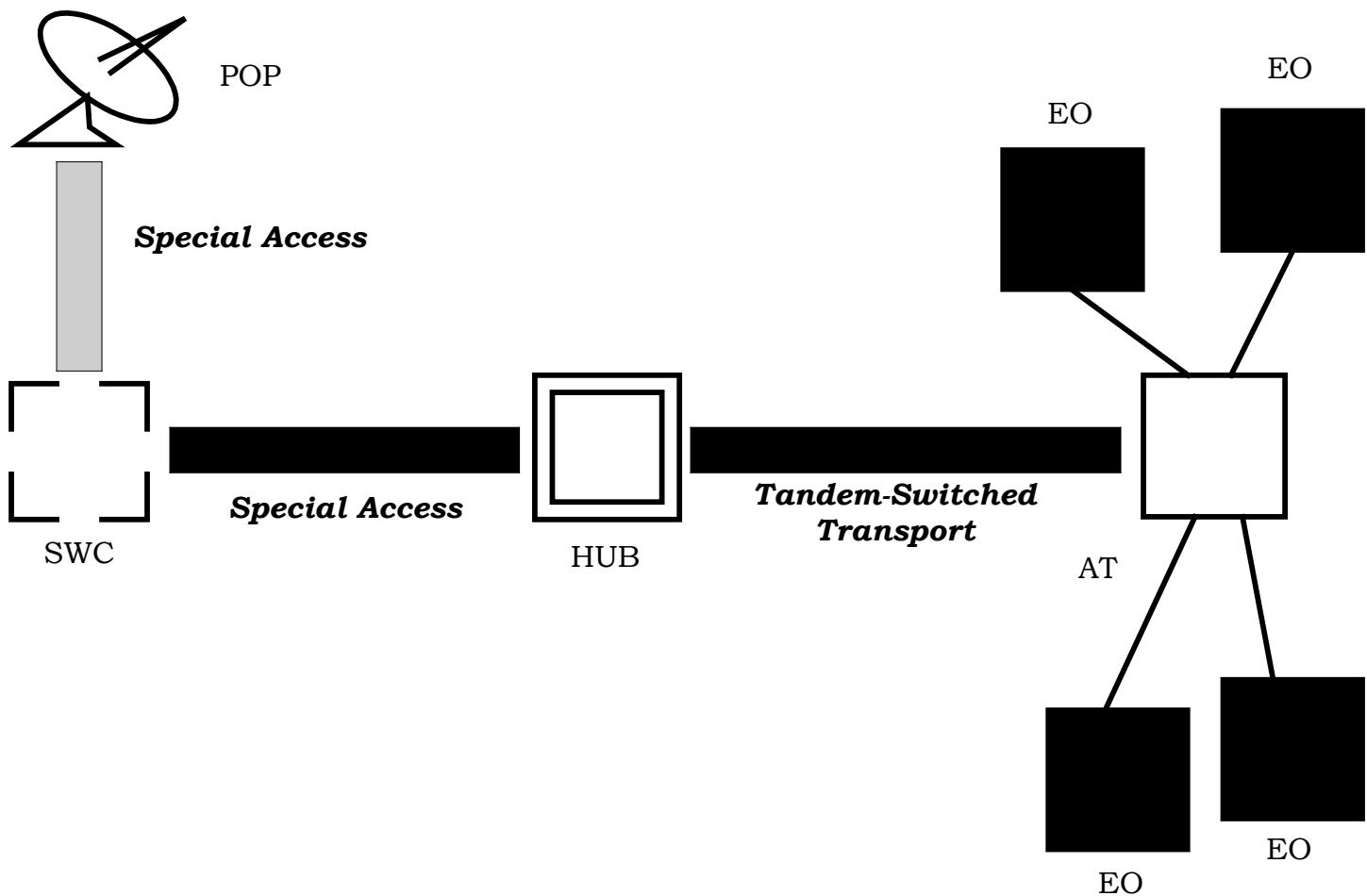
May be ordered at DS-1 or VG level.

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

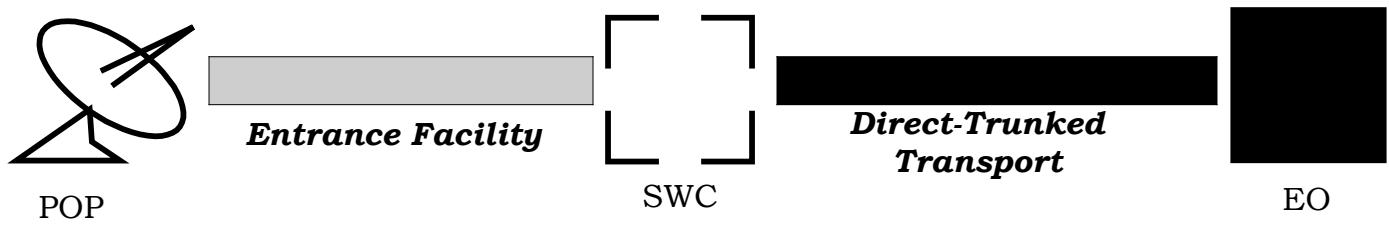
LATA ORDERING REQUIREMENTS

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.



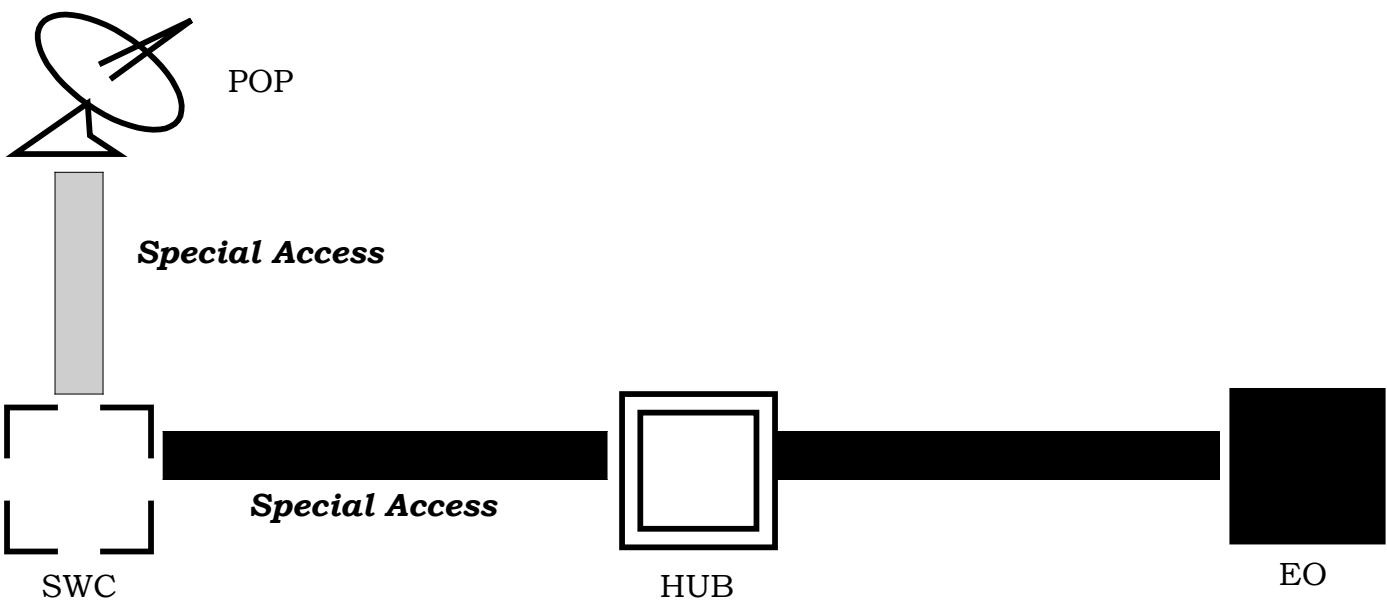
7.38 FC FGA LINES ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO THE HUB USE SPECIAL ACCESS

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

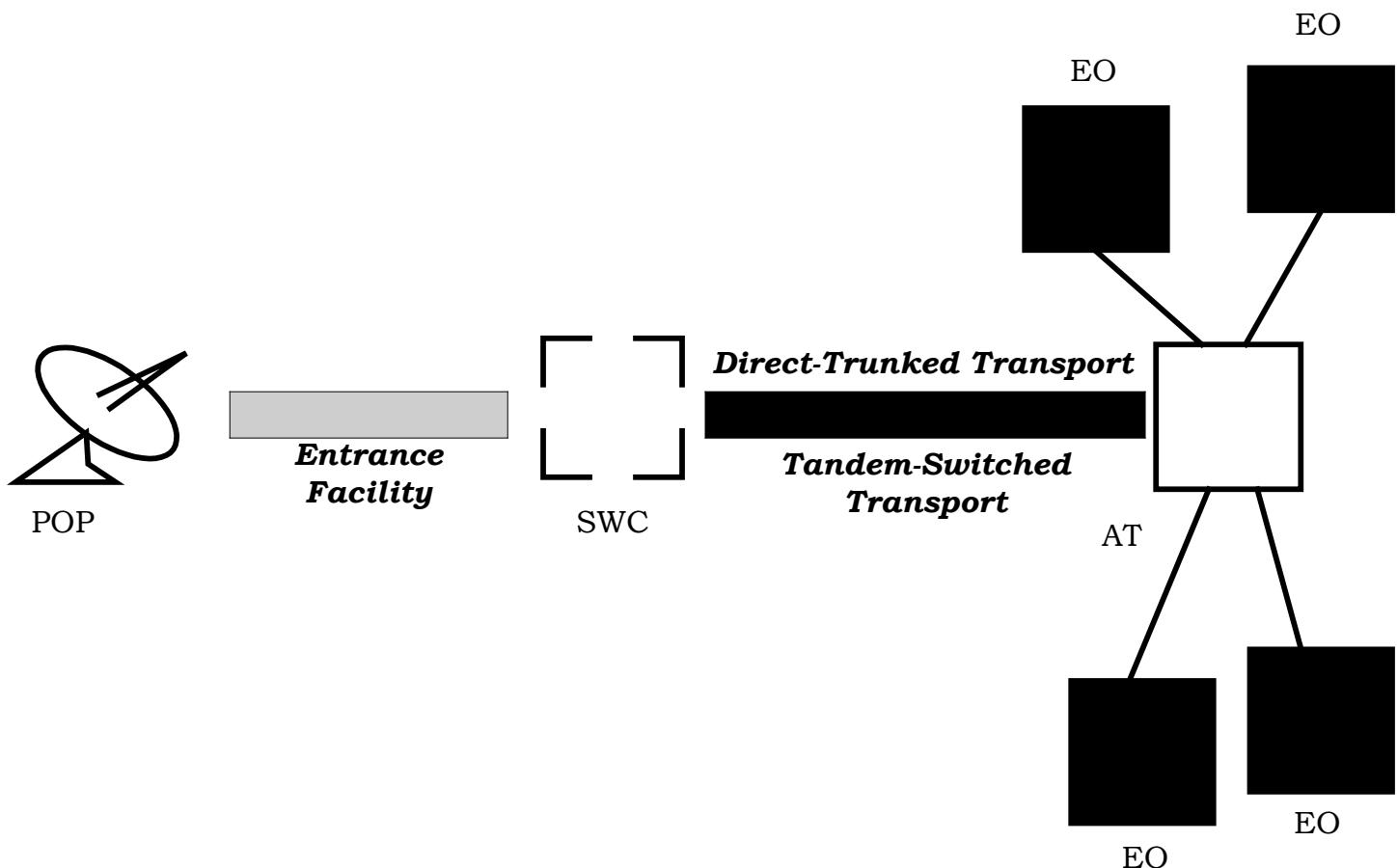
LATA ORDERING REQUIREMENTS

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.



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

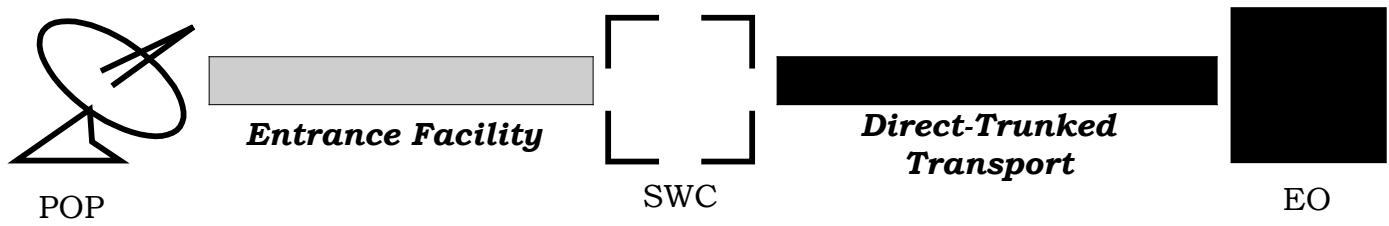
LATA ORDERING REQUIREMENTS

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.



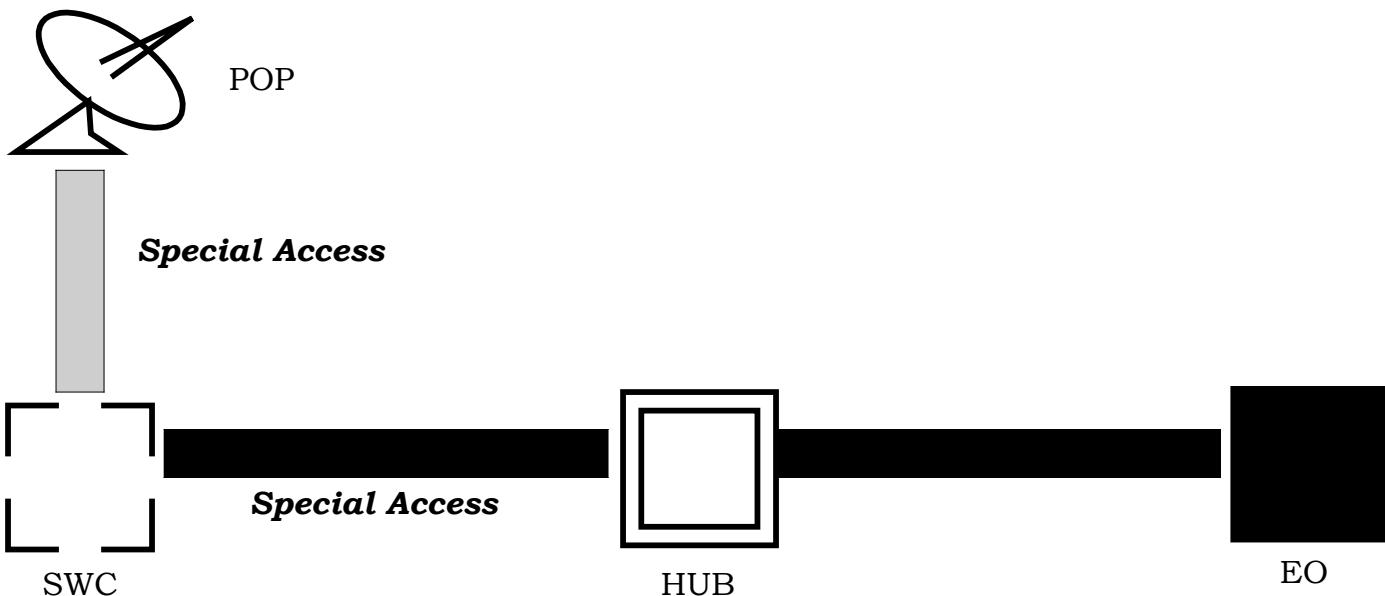
7.40A FC TRUNKS ONLY, ENTRANCE FACILITY AND DIRECT-TRUNKED TRANSPORT TO HUB USE SPECIAL ACCESS

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

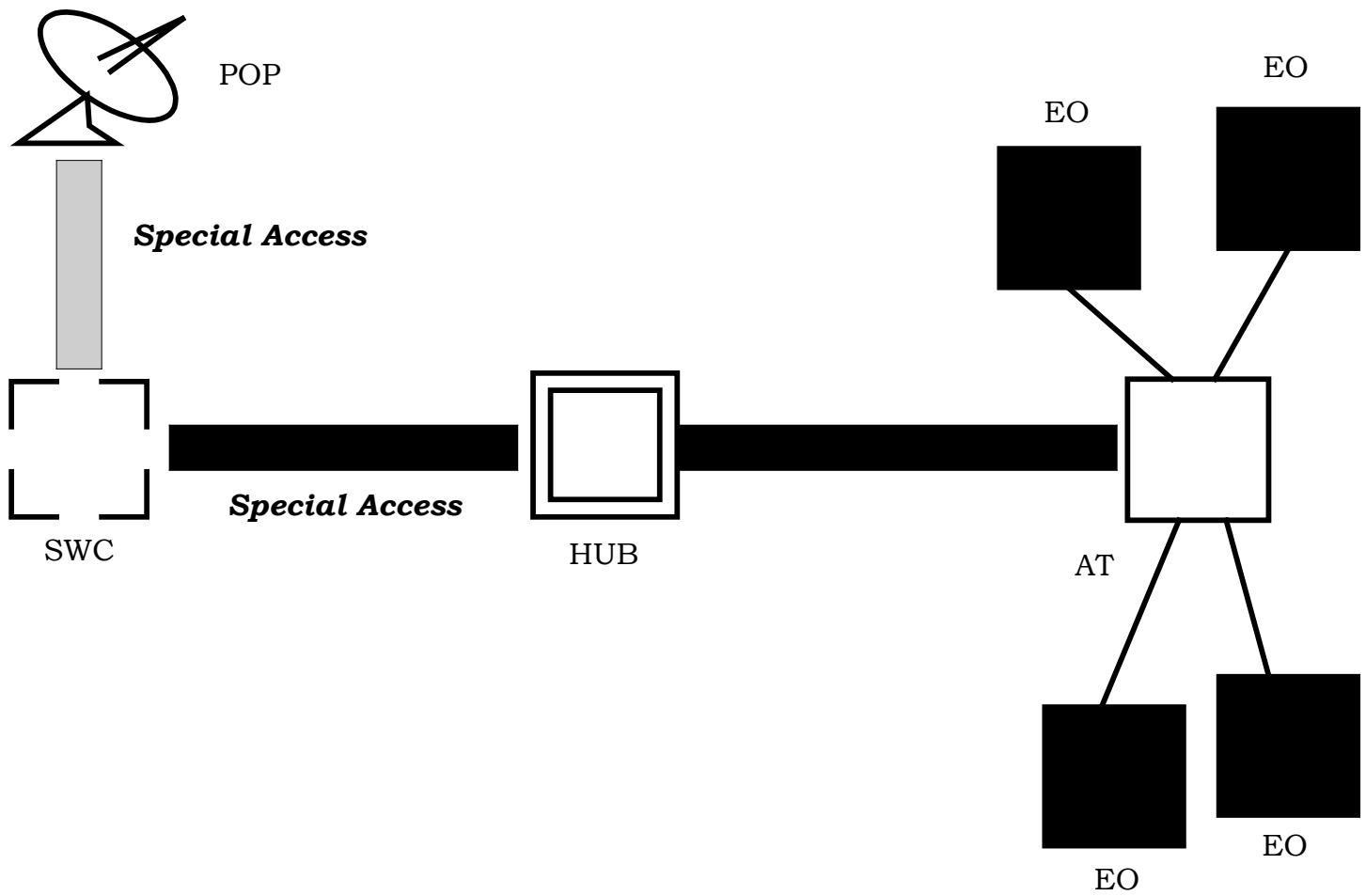
LATA ORDERING REQUIREMENTS

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.*



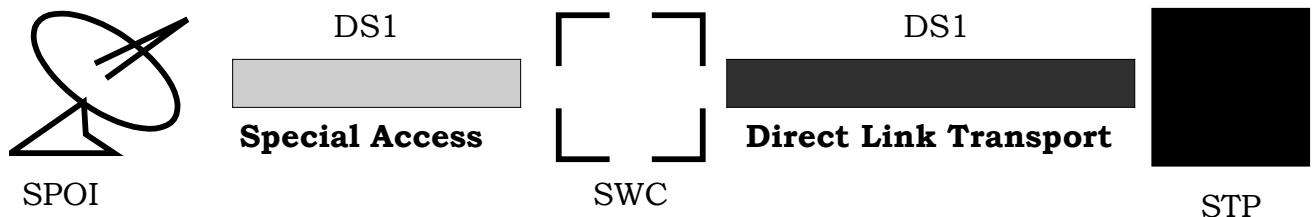
**7.41A QA DIRECT-LINK TRANSPORT TO THE STP AND LINKS,
ENTRANCE FACILITY USES SPECIAL ACCESS**

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.



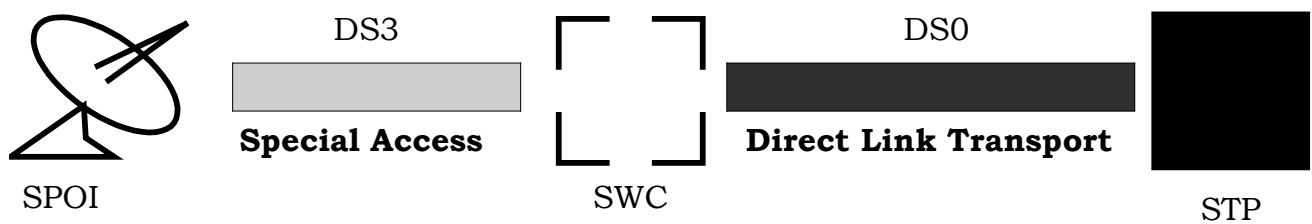
**7.41B QA DIRECT-LINK TRANSPORT TO THE STP AND LINKS,
ENTRANCE FACILITY USES SPECIAL ACCESS**

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.



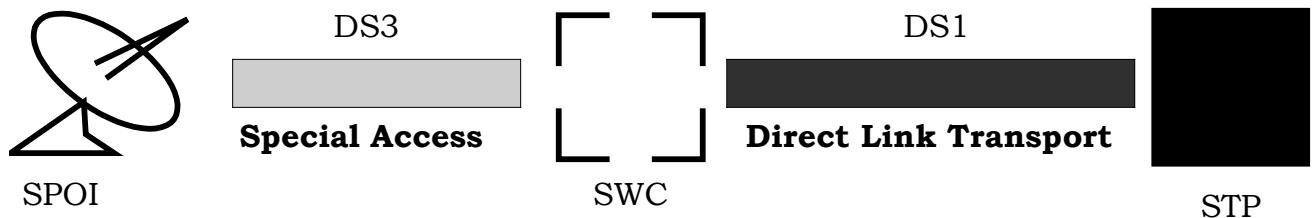
7.42 RA LINKS, EXISTING DIRECT-LINK TRANSPORT TO THE STP AND ENTRANCE FACILITY USES SPECIAL ACCESS

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.



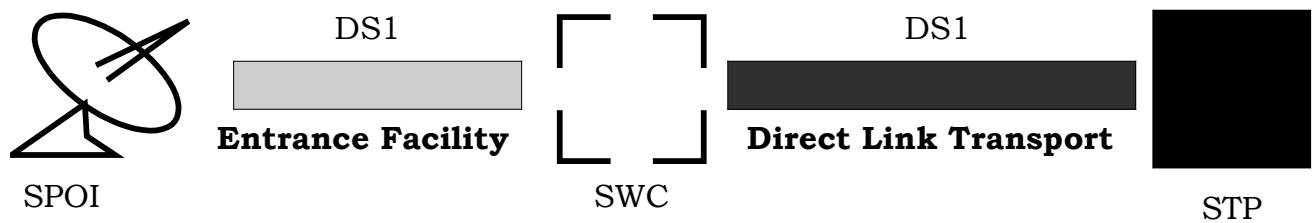
7.43A PF ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS

LATA ORDERING REQUIREMENTS

ASR FORM
TRUNKING FORM

PROVISIONING

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



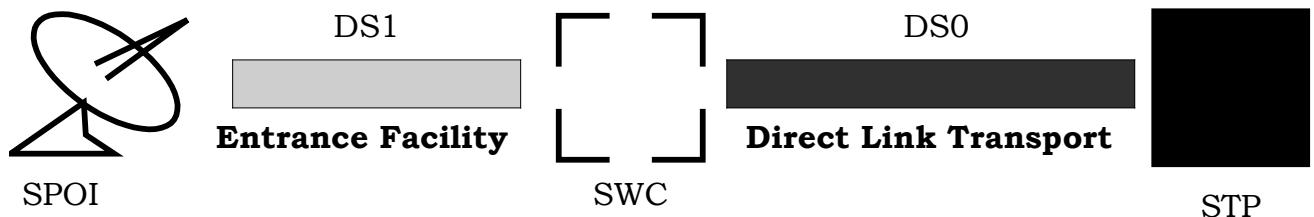
7.43B PF ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP AND LINKS, NO SPECIAL ACCESS

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.



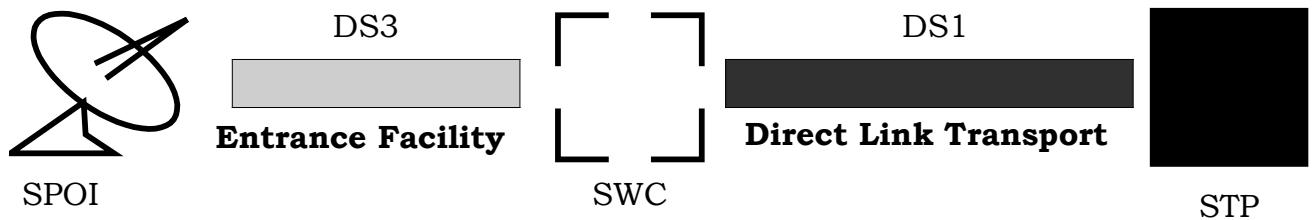
**7.44A QF DIRECT-LINK TRANSPORT TO THE STP AND LINKS,
ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

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.



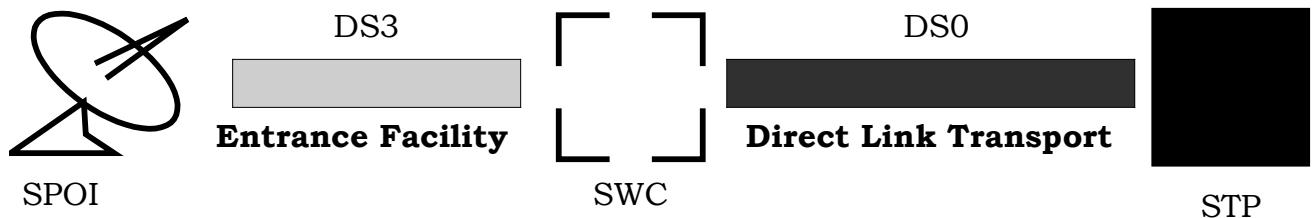
**7.44B QF DIRECT-LINK TRANSPORT TO THE STP AND LINKS,
ENTRANCE FACILITY EXISTS, NO SPECIAL ACCESS**

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.



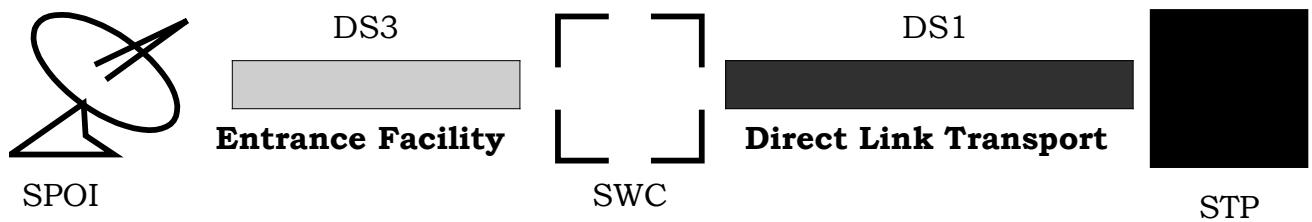
7.45A RF LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS

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.



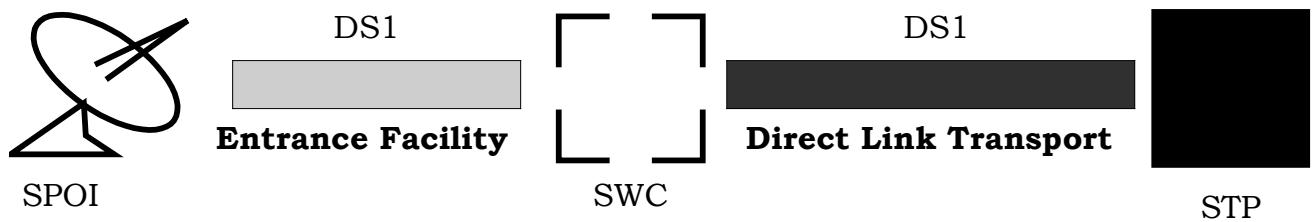
7.45B RF LINKS ONLY, ENTRANCE FACILITY AND DIRECT-LINK TRANSPORT TO THE STP EXIST, NO SPECIAL ACCESS

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

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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.

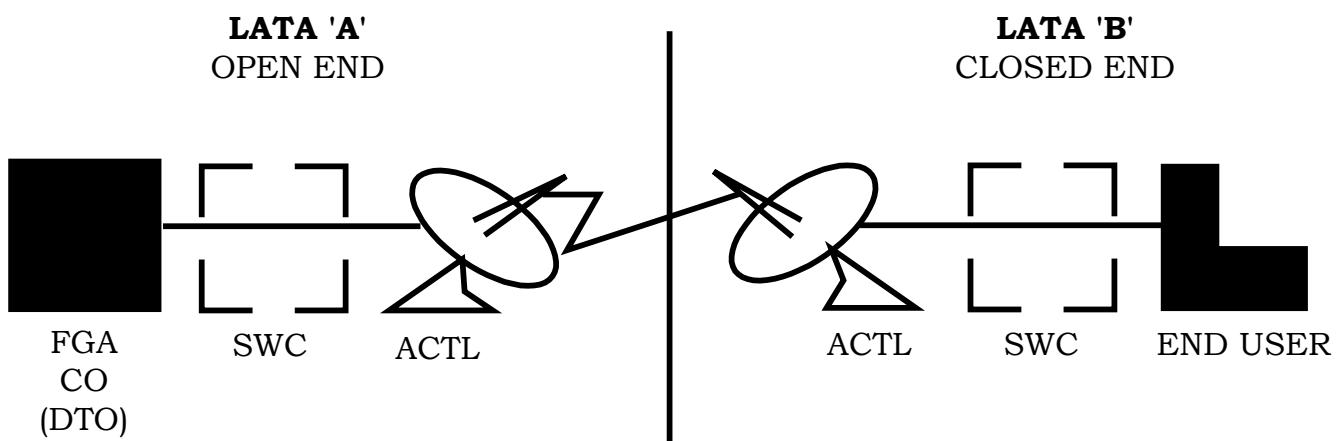
The configuration in LATA-A depicts a line-side switched Access Service between an ACTL and a provider Central Office (Dial Tone Office).

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

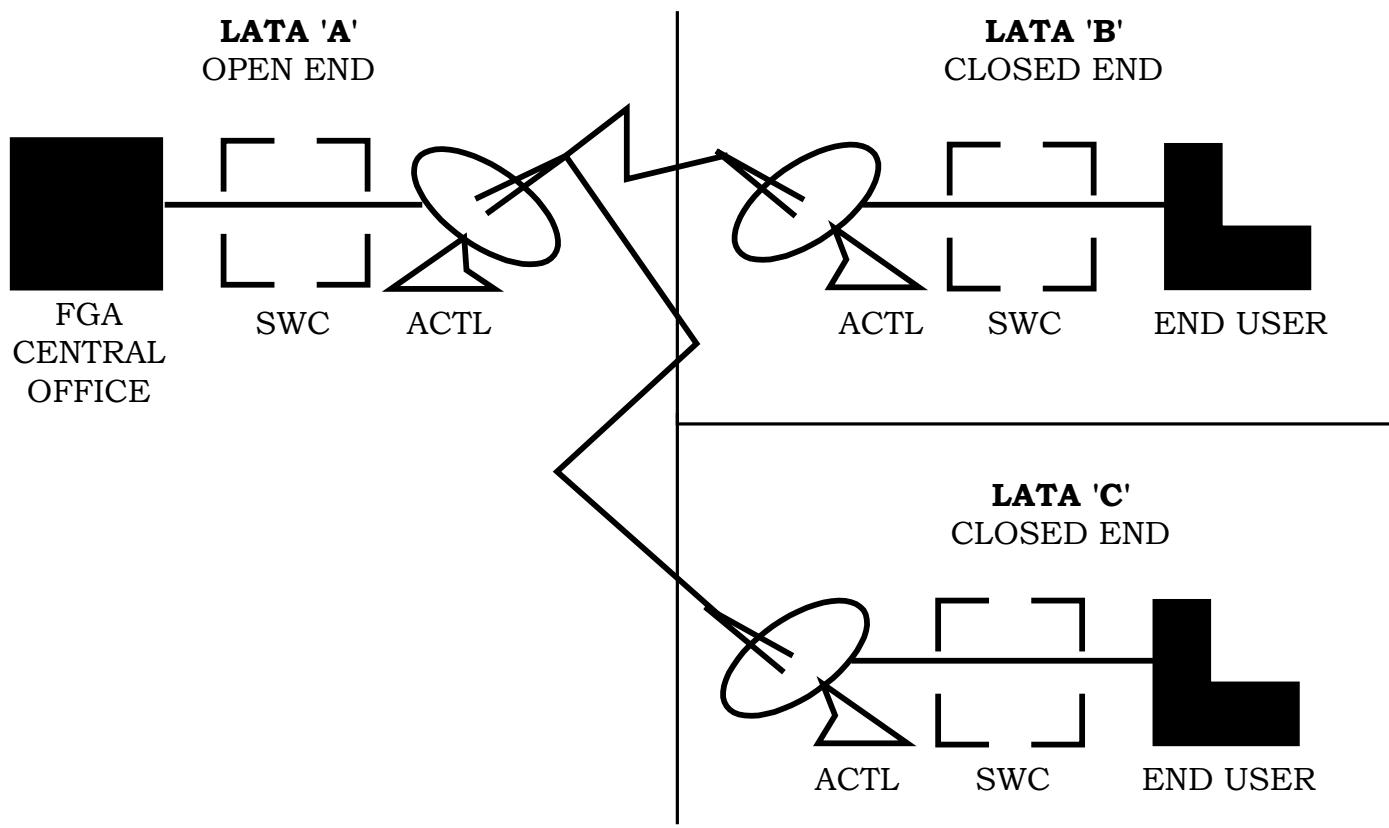
DIFFERENT LATA. This configuration is the same basic layout as in Section 8.3 with the addition of a separately ordered Special Access Service in LATA C acting as the closed end of a Foreign Exchange Configuration.

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

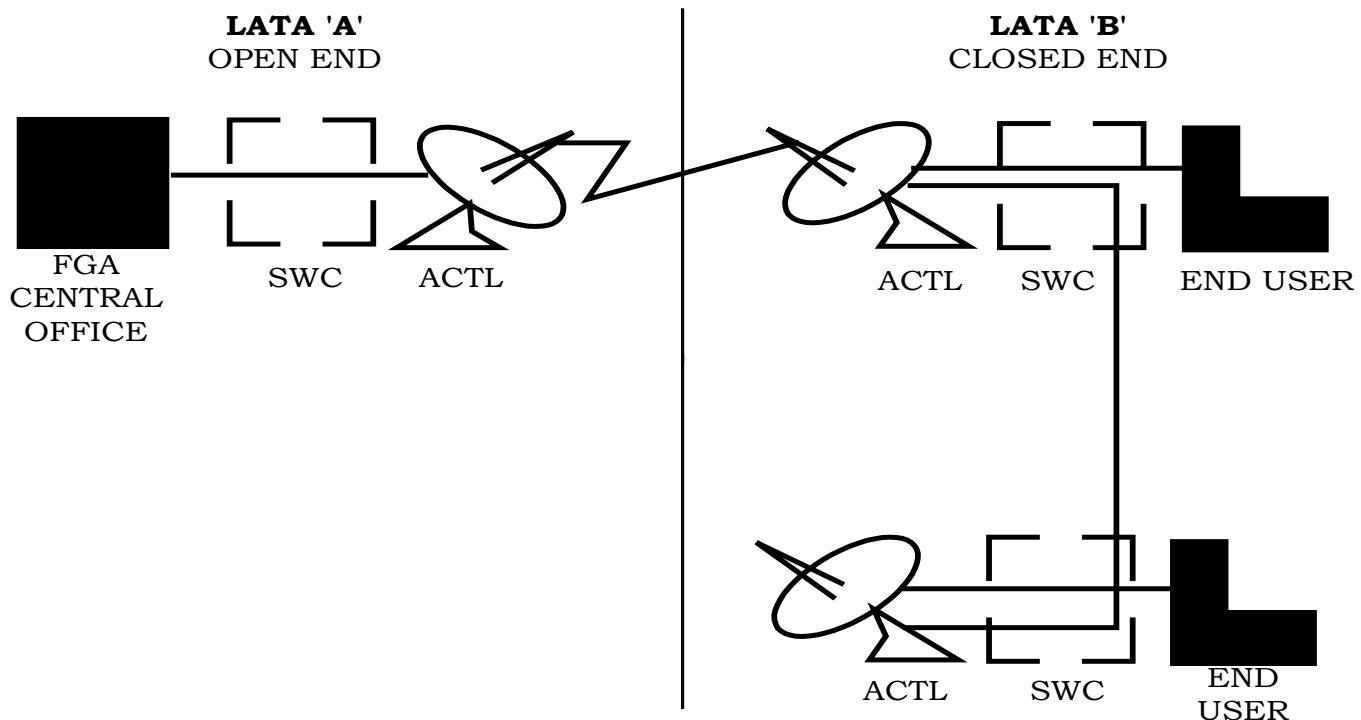
ORDERING REQUIREMENTS

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

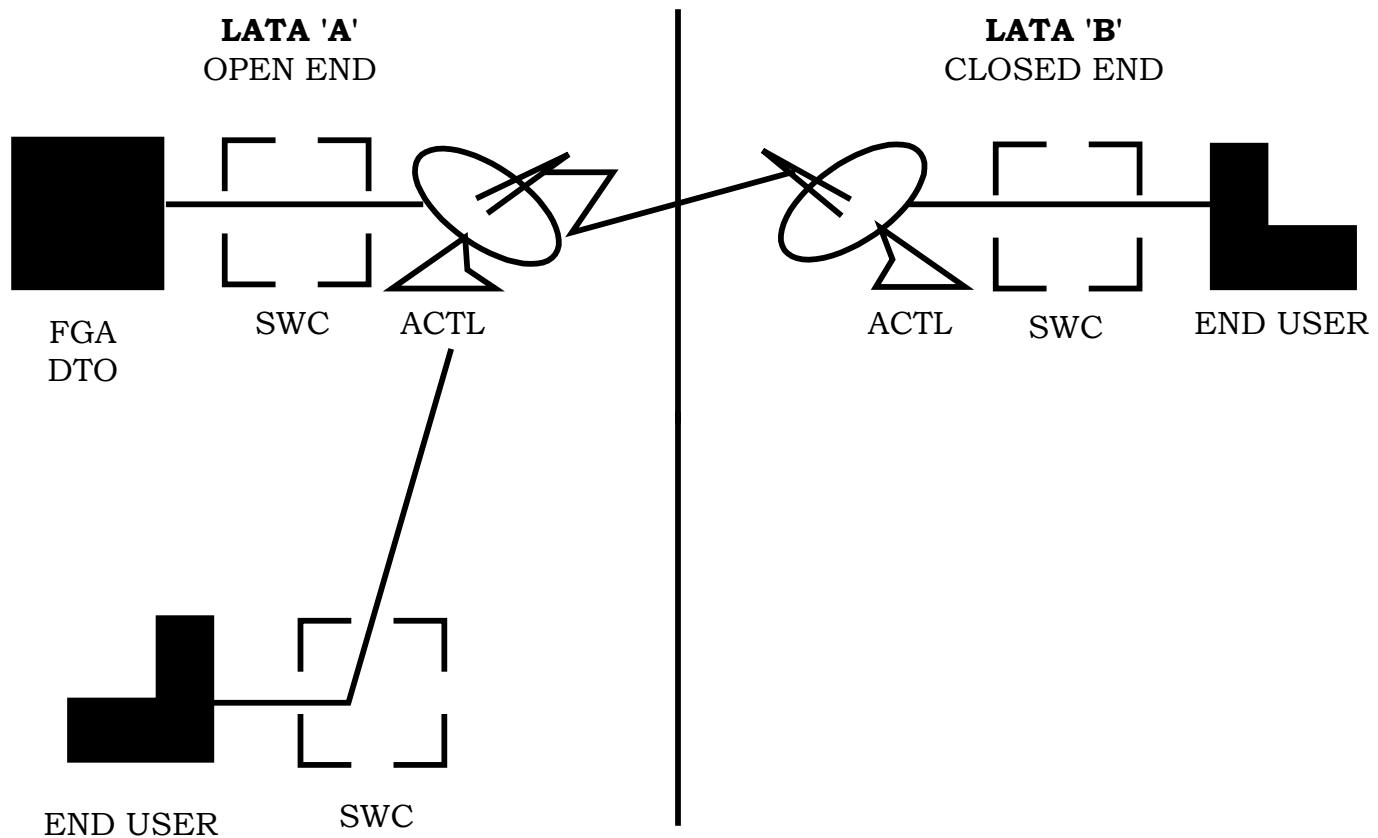
The configuration is the same basic layout as in Section 8.3 with the customer providing a bridged extension within the FGA (dial tone) LATA. This arrangement requires three (3) sets of requests: 1) one for the FGA service 2) one for the end user location in LATA-A 3) one for the end user location LATA-B

ORDERING REQUIREMENTS

LATA-A
ASR FORM
FGA FORM

LATA-A
ASR FORM
TRANSPORT FORM
SALI FORM

LATA-B
ASR FORM
TRANSPORT FORM
SALI FORM



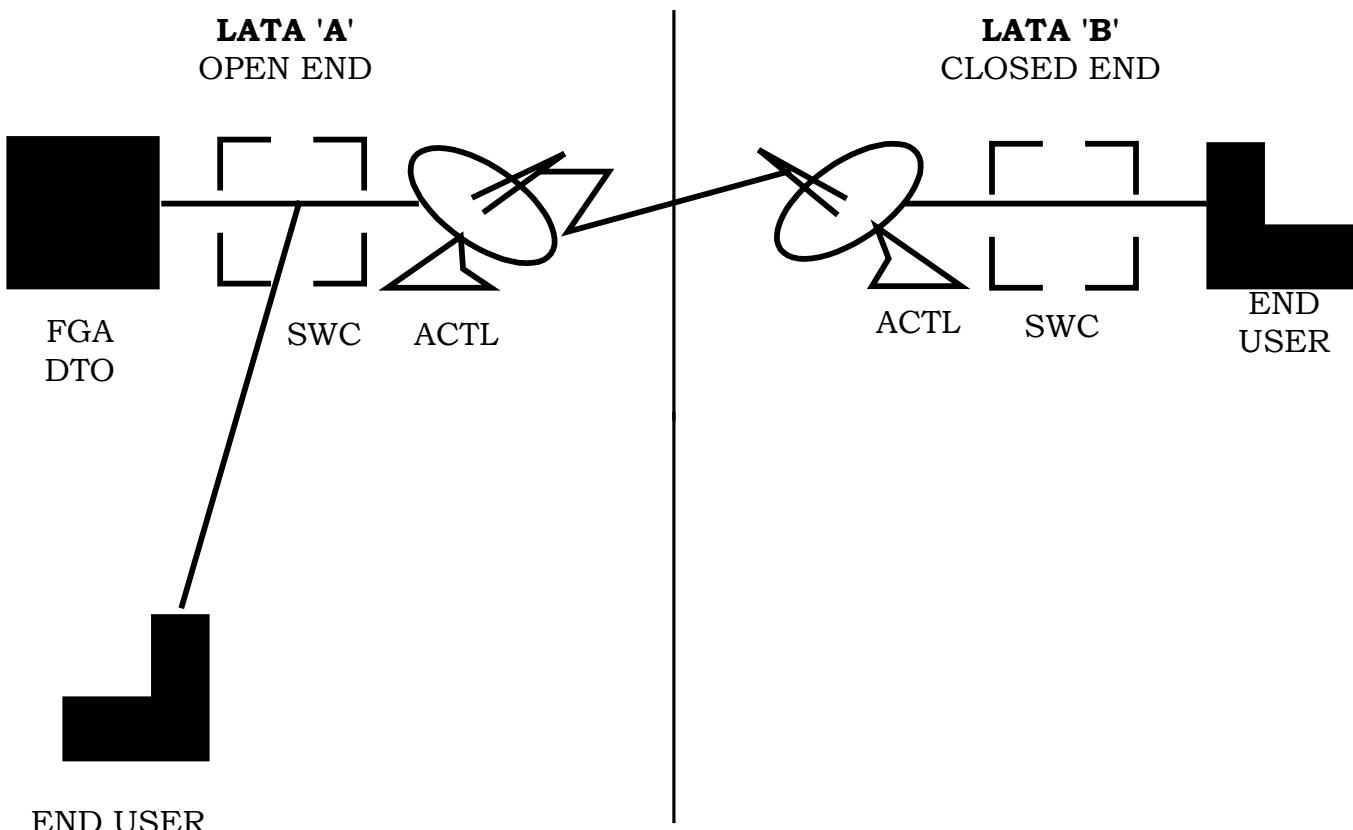
8.2.5 FGA WITH PROVIDER EXTENSION WITHIN FGA LATA This configuration is again the same basic layout as in Section 8.3 with the provider providing a bridged extension within the FGA (dial tone) LATA. This arrangement requires two (2) sets of requests.

- 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

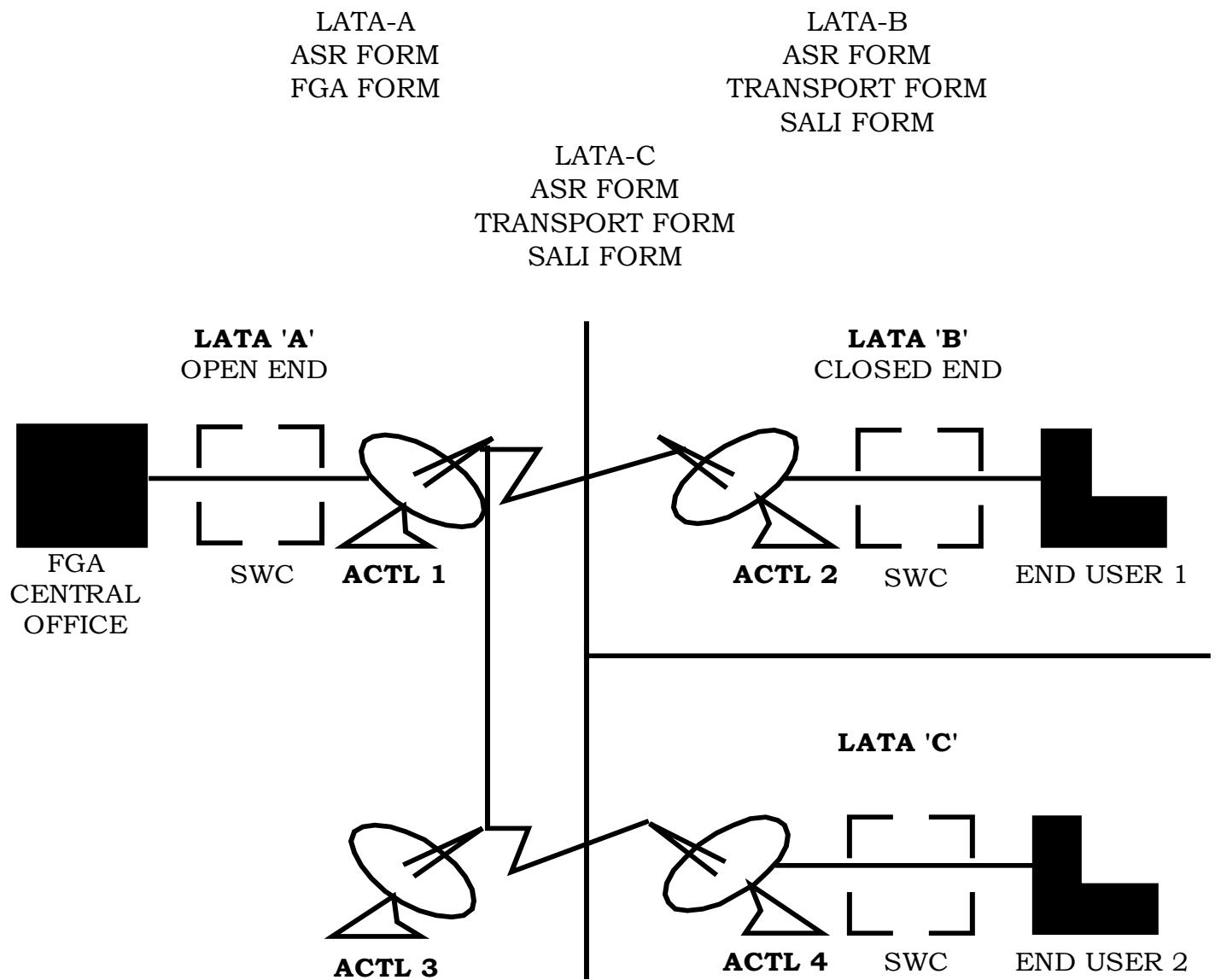
LATA-B
ASR FORM
TRANSPORT FORM
SALI FORM



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.

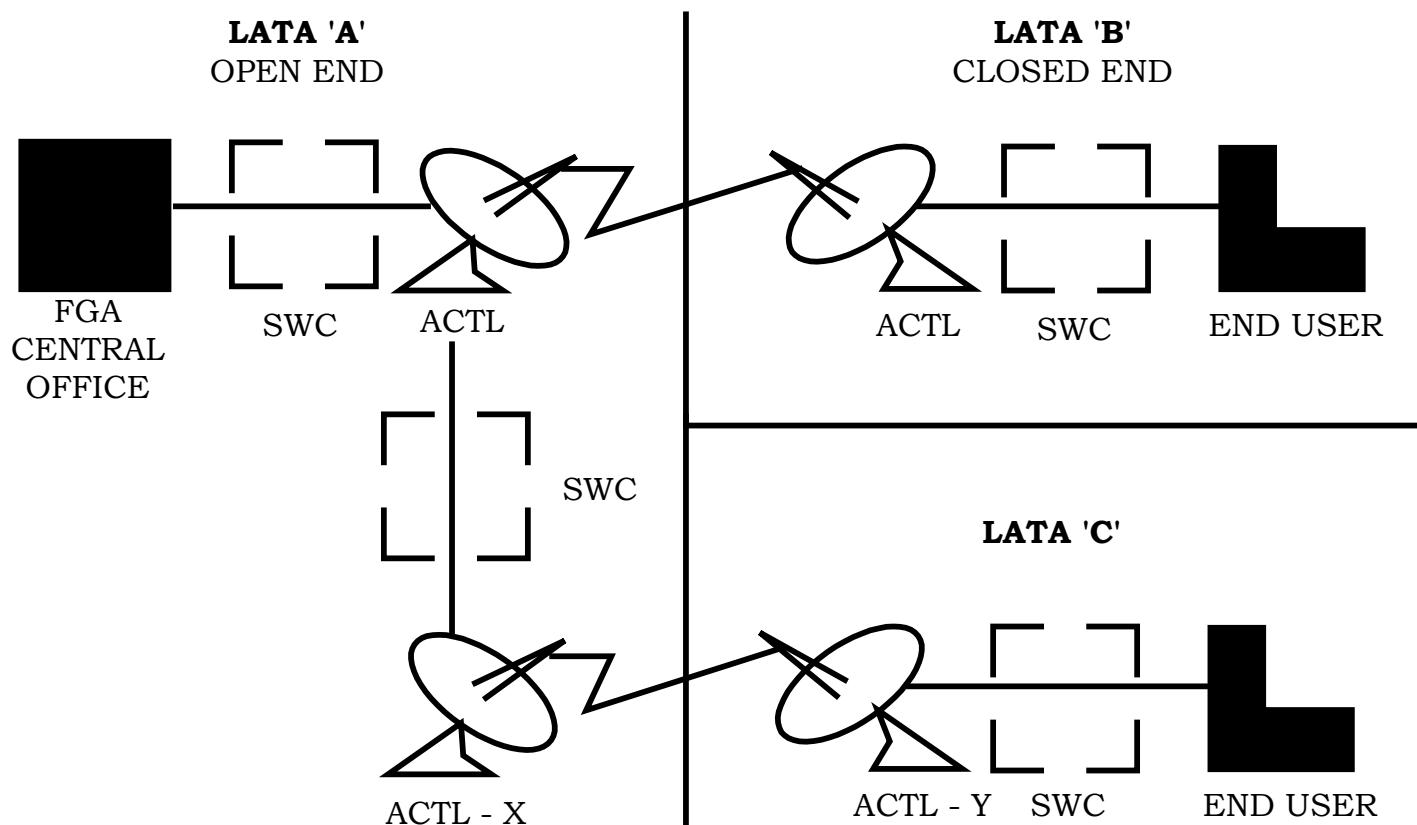
ORDERING REQUIREMENTS

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



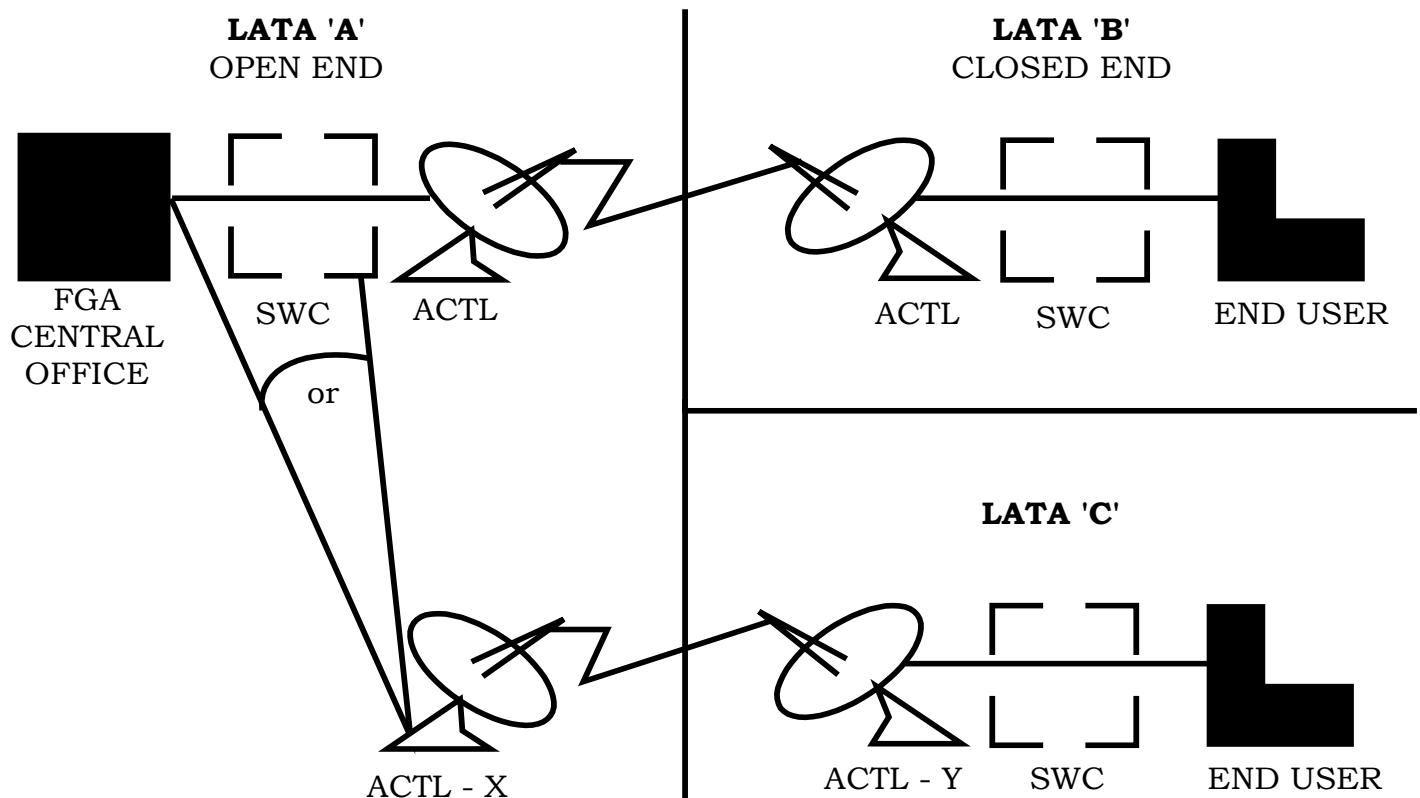
8.2.8 FGA WITH PROVIDER TRANSITING FACILITY AS AN EXTENSION IN THE FGA LATA This configuration is the same layout as in Section 8.9 with the provider providing the bridged extension off the FGA service. The customer orders to the second ACTL and the bridge location is determined by the provider. The 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

LATA-A
ASR FORM
FGA FORM
MSL FORM

LATA-A
ASR FORM
TRANSPORT FORM
SALI FORM

LATA-C
ASR FORM
TRANSPORT FORM
SALI FORM



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

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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.

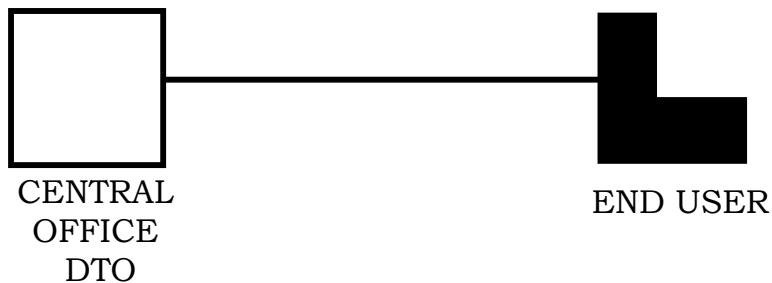
The WAL request form provides for ordering the various options offered with this feature of the Access Tariff. Non-access tariff features may also be ordered in association with the WAL by the customer through data entries using the GETO entry.

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

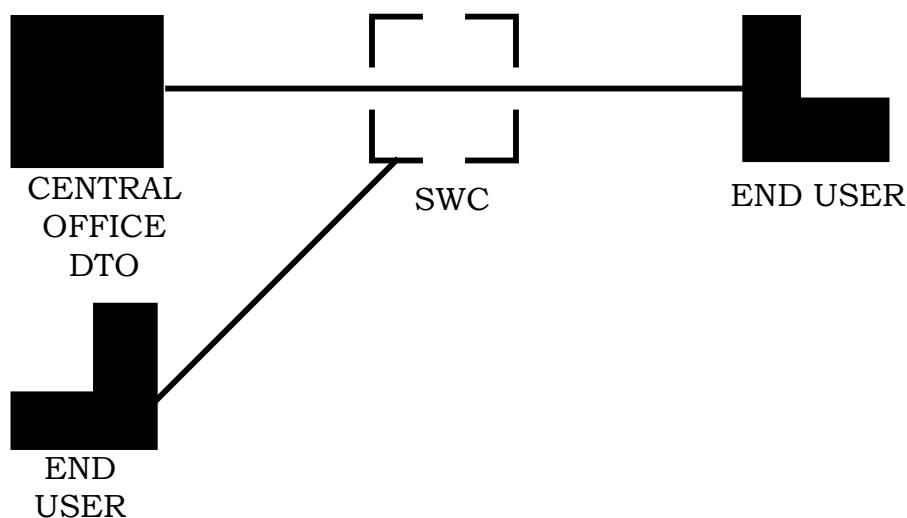


9.2.2 WATS ACCESS LINE WITH EXTENSION This configuration depicts a WAL service with an extension off the main service. The MSL Form in conjunction with a SALI Form is used to order the second end user location in a manner similar to Multipoint ordering.

LATA ORDERING REQUIREMENTS:

ASR FORM
WAL FORM
MSL FORM
SALI FORM

**WATS ACCESS LINE
W/EXTENSION**



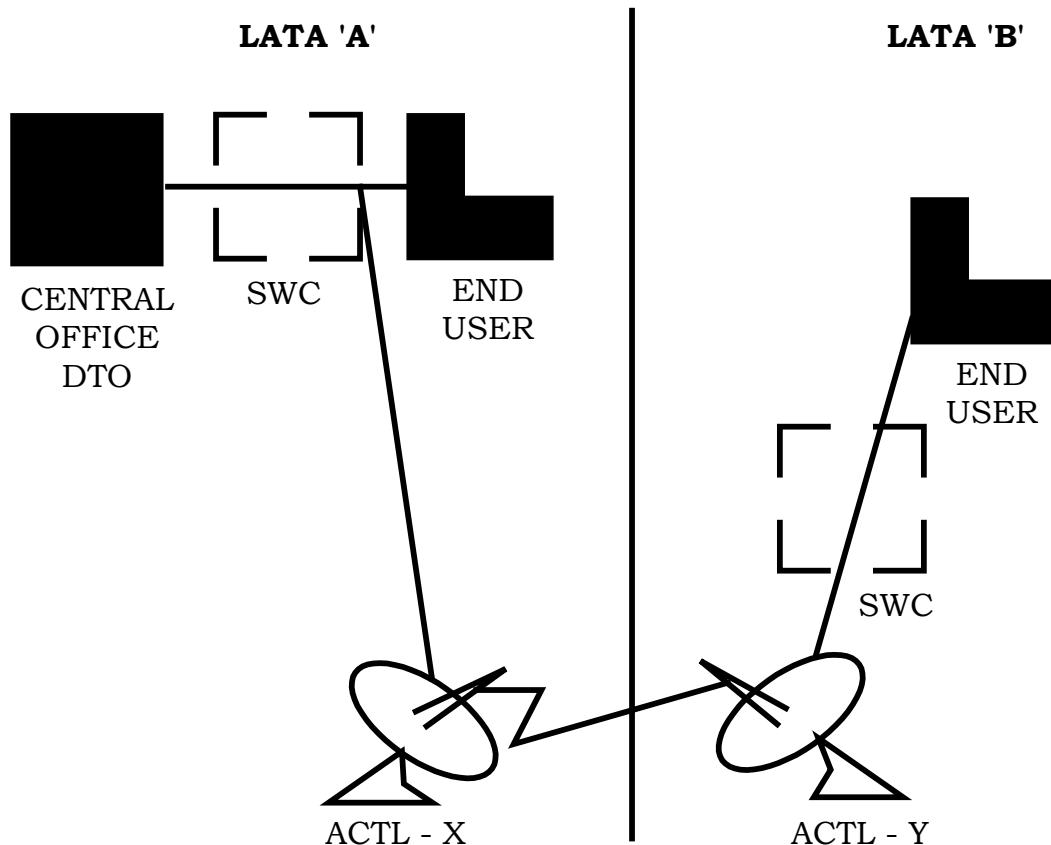
9.2.3 WATS ACCESS LINE WITH INTERLATA EXTENSION This configuration depicts a WAL service with an InterLATA extension. The bridging is performed by the provider selecting the most appropriate point on the circuit.

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



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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
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COMMON CHANNEL SIGNALING LINKS	10.3
LOCAL TRUNKING	10.4
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BUSY LINE VERIFICATION (BLV)/BUSY LINE INTERRUPT (BLI) TRUNKING	10.9
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UNBUNDLED DEDICATED TRUNKING	10.13
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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, NYY 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.

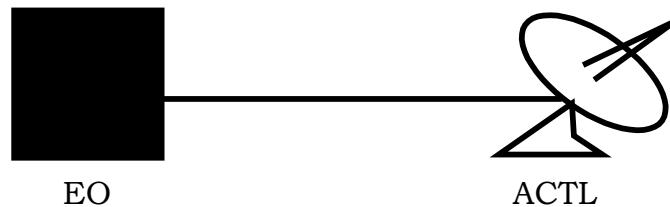
Feature Group B, C, D and Local requests are differentiated by the specification of a NC (Network Channel) code on the Trunking Request Form. The NC code is comprised of four characters with the last character designating the feature group and some allowable options.

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

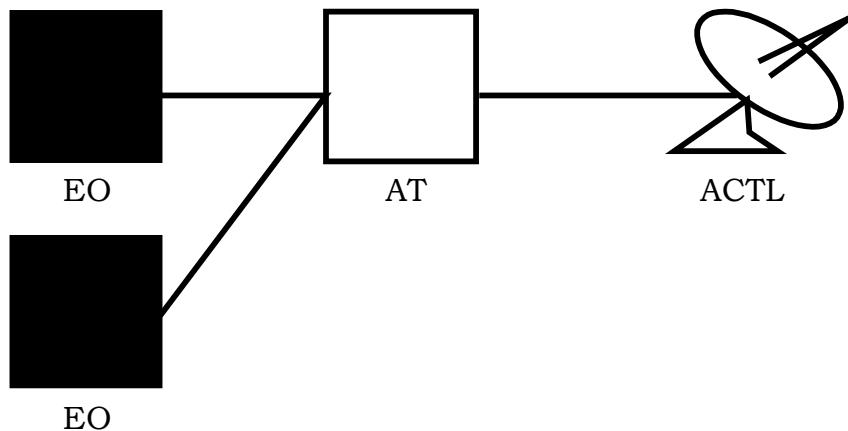


10.2.2 FGB-C-D TANDEM ROUTED This configuration depicts trunk-side switched access service ordered between an ACTL and a provider access tandem switch. Trunking between the end offices and the access tandem is provisioned based upon the aggregate requirements of all the customers providing InterLATA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

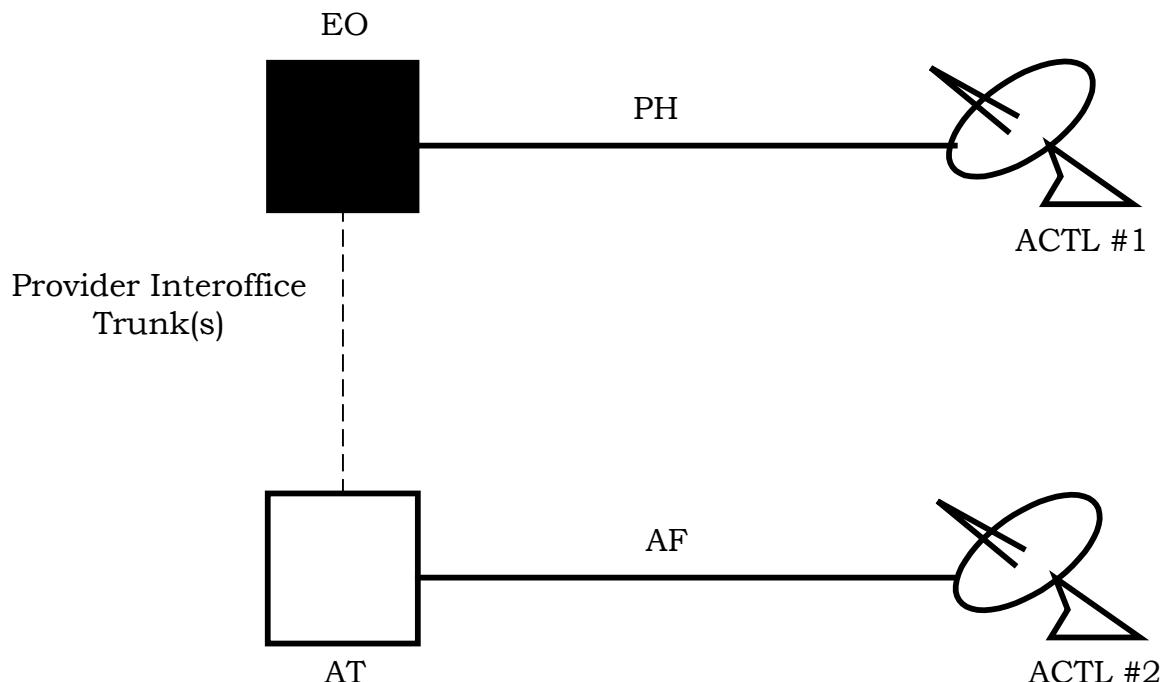


10.2.3 FGB-C-D ALTERNATE ROUTING (ARTG) This configuration depicts two ACTL locations; one with a direct end office trunk group Primary High (PH) and one with a tandem trunk group Alternate Final (AF). This option will allow originating overflow traffic to be directed from the PH trunk group to the AF 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

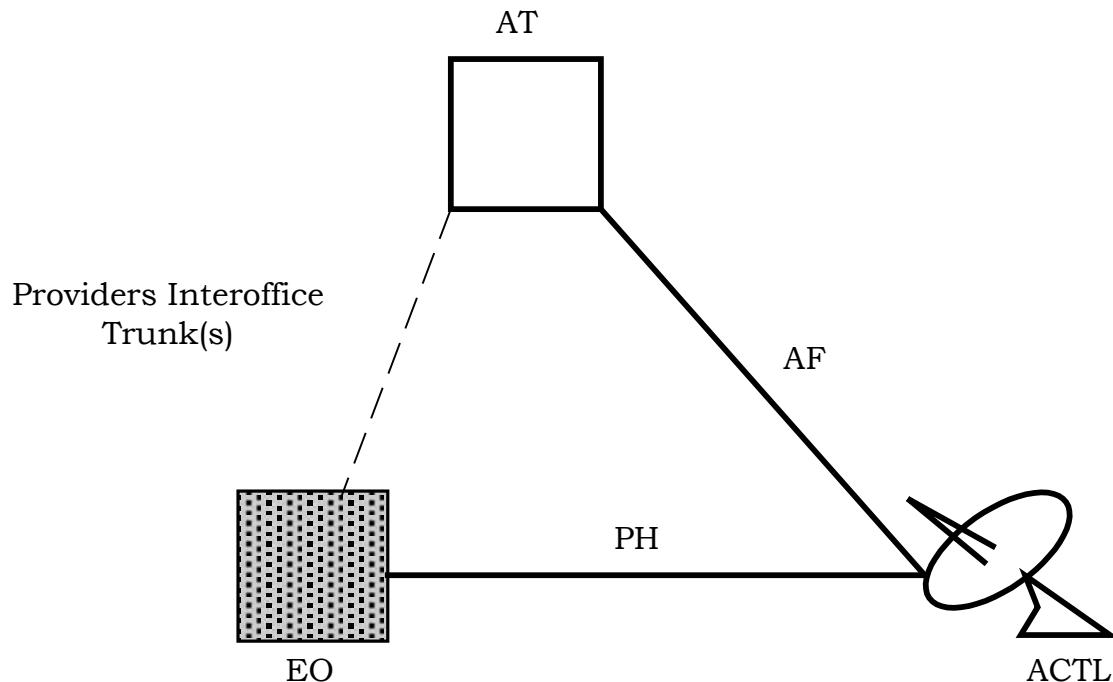


10.2.4 FGB-C-D END OFFICE ALTERNATE ROUTING (EARTG) This configuration depicts one ACTL with trunk groups to the same end office. One trunk group, Primary High (PH) is routed direct to the end office and the other trunk group; Alternate Final (AF) is routed via the Tandem. The EARTG routes originating 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

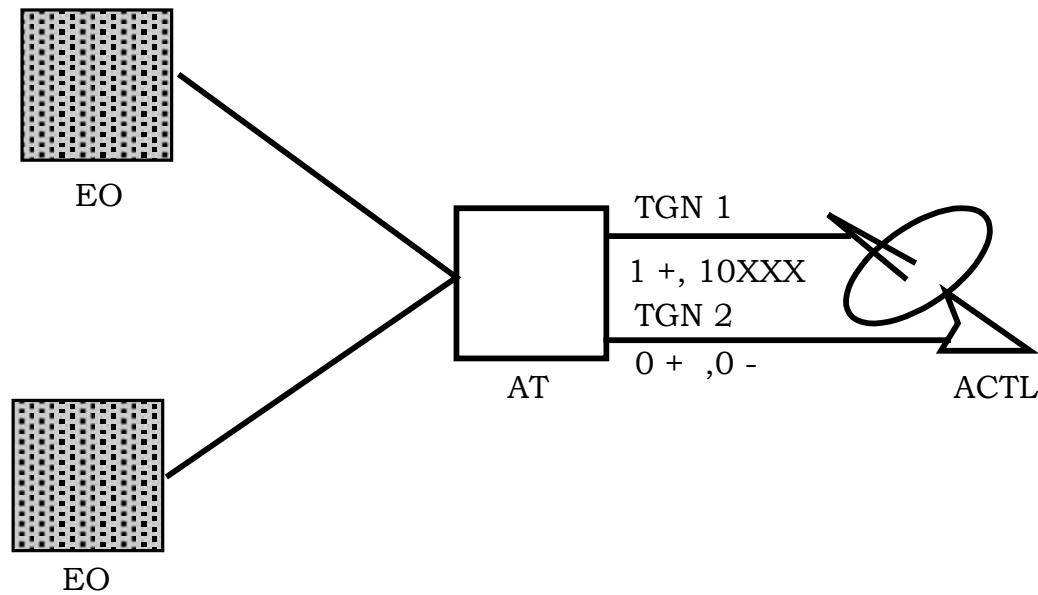


10.2.5 FGD WITH SERVICE CLASS ROUTING (SCRT) This configuration depicts one ACTL location with two tandem trunk groups. Each Trunk Group has specified types of traffic routed to it. This option will allow the customer to direct or block originating traffic based on traffic type. This option is ordered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



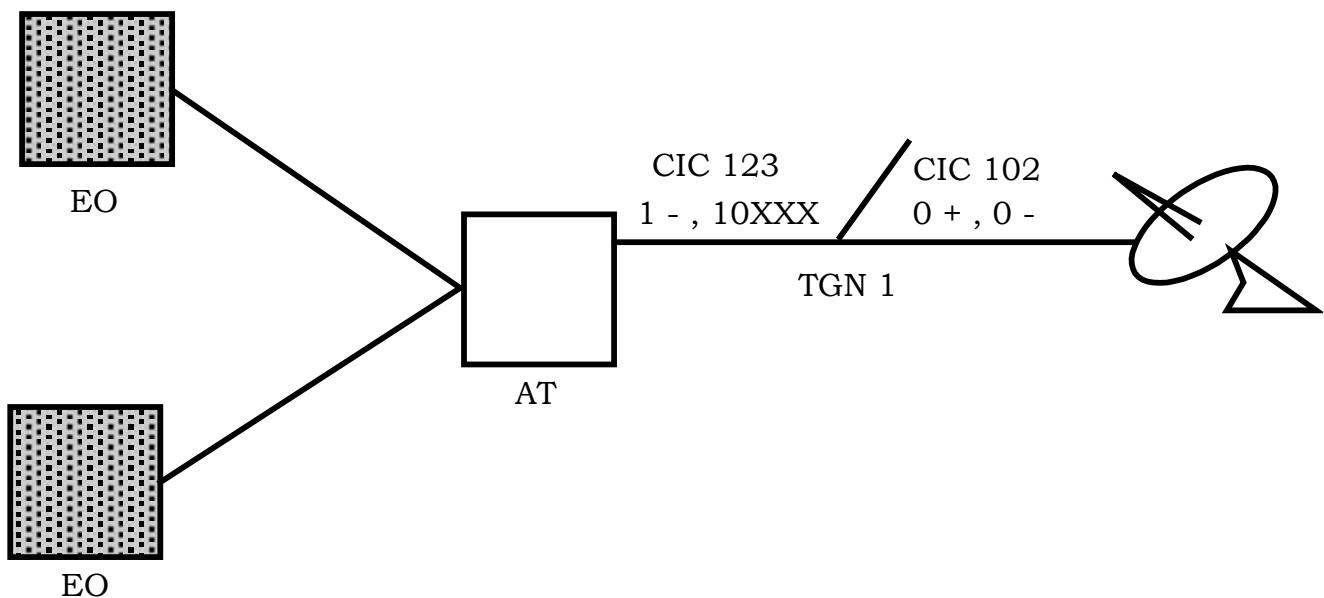
10.2.6 FGD WITH MULTIPLE CARRIER IDENTIFICATION CODES

(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

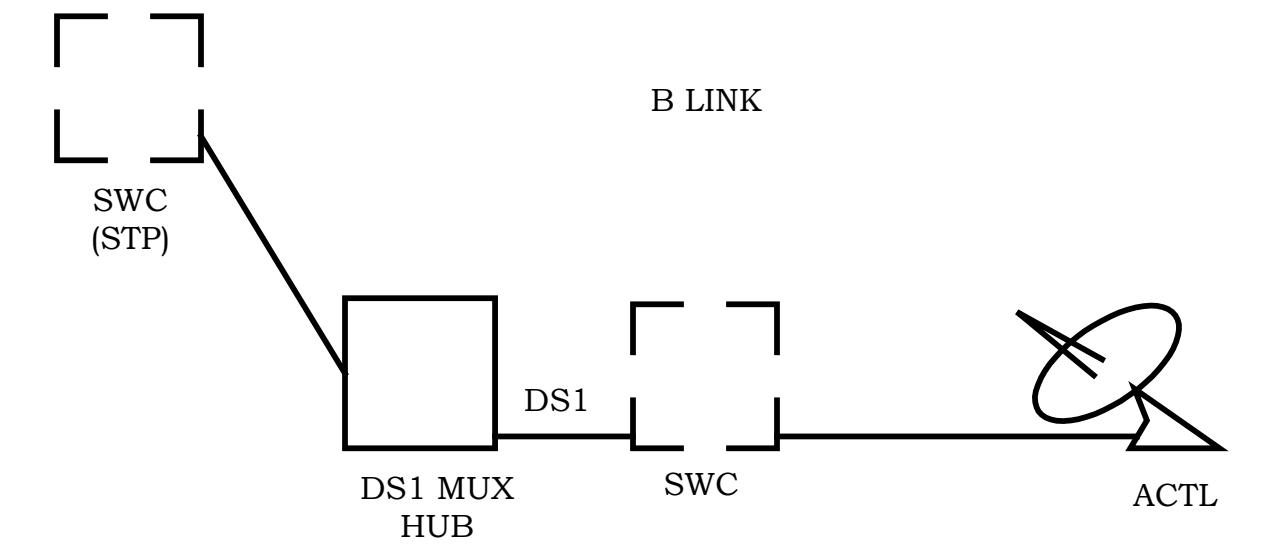
ASR FORM
TRUNKING FORM
TQ FORM



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

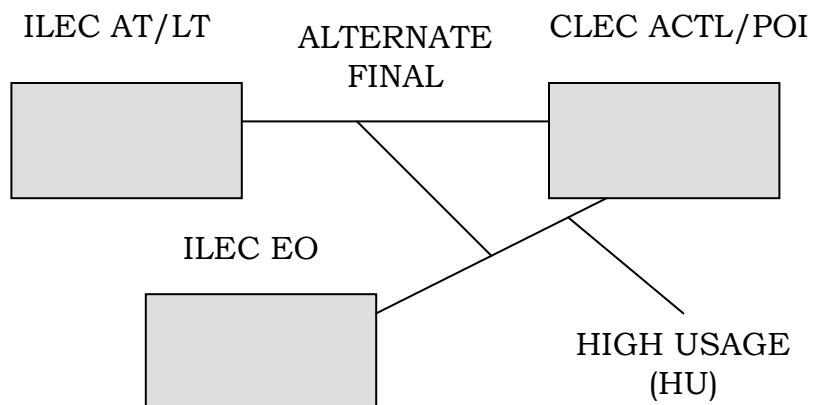


NOTE 1: Signaling Point of Interface is defined by the CUSTOMER SWITCH LOCATION (CSL) and CUSTOMER SWITCH TYPE (CST) fields on the Trunking Form, ATIS-0404004

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

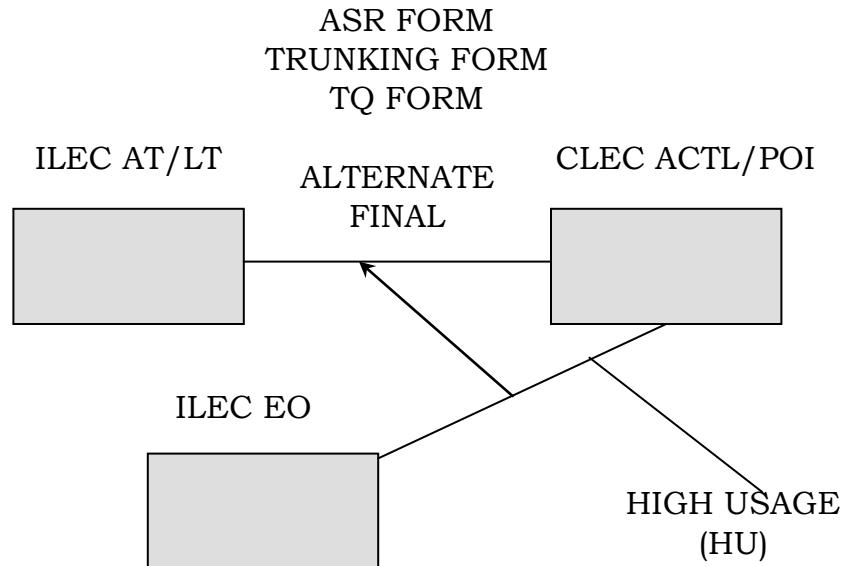


DATA ELEMENTS:

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



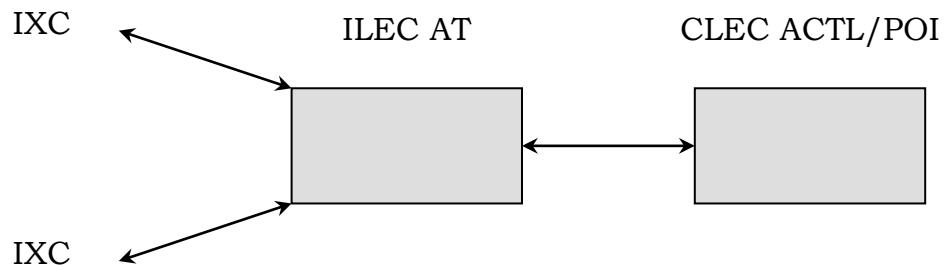
DATA ELEMENTS:

ASR Form: REQTYP=MD	Trunking Form: TRFTYP=AT, LI or LT	TQ Form: TG ACT
	TTT	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:

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

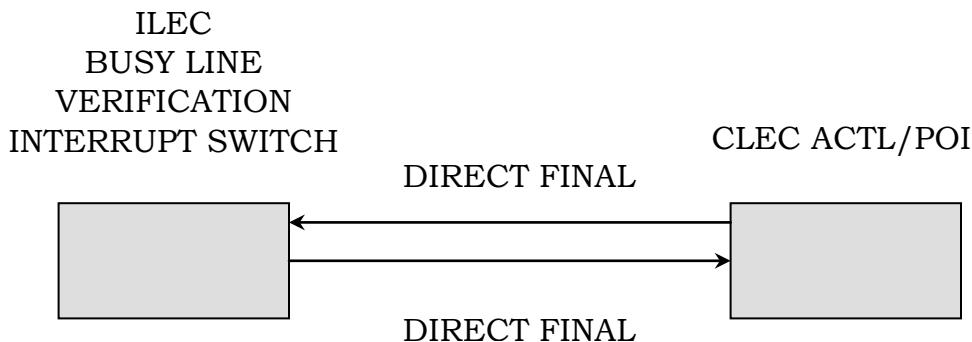
<u>ASR Form:</u> REQTYP=MD	<u>Trunking Form:</u> TTT TRFTYP=OP CIC TRN TCIC	<u>TQ Form:</u> TG ACT TGTYP DIR TK SEQ TK SIG CIC COIN EA ROUTING MATRIX
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10.9 **BUSY LINE VERIFICATION (BLV)/BUSY LINE INTERRUPT (BLI)**

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:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP=VR	TGTYP
	CIC	DIR
	TRN	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

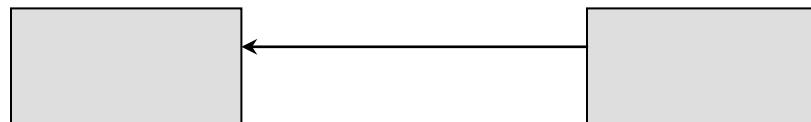
10.11 CHOKE GROUP TRUNKING This is a one way trunk group from a CLEC to an ILEC which carries calls that the CLEC has decided to choke. Most switches today can perform this function in software which means this group may not be required.

ORDERING REQUIREMENTS:

ASR FORM
TRUNKING FORM
TQ FORM

ILEC AT/LT

CLEC ACTL/POI



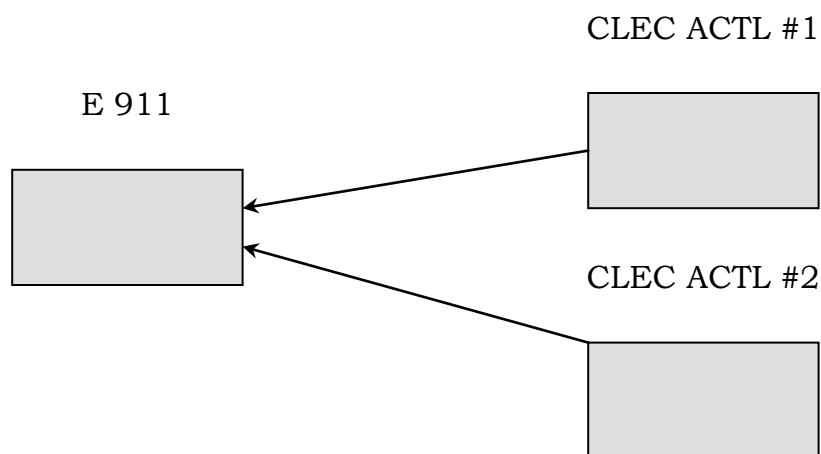
DATA ELEMENTS:

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 2nd location.

ORDERING REQUIREMENTS:

ASR FORM
TRUNKING FORM
TQ FORM



DATA ELEMENTS:

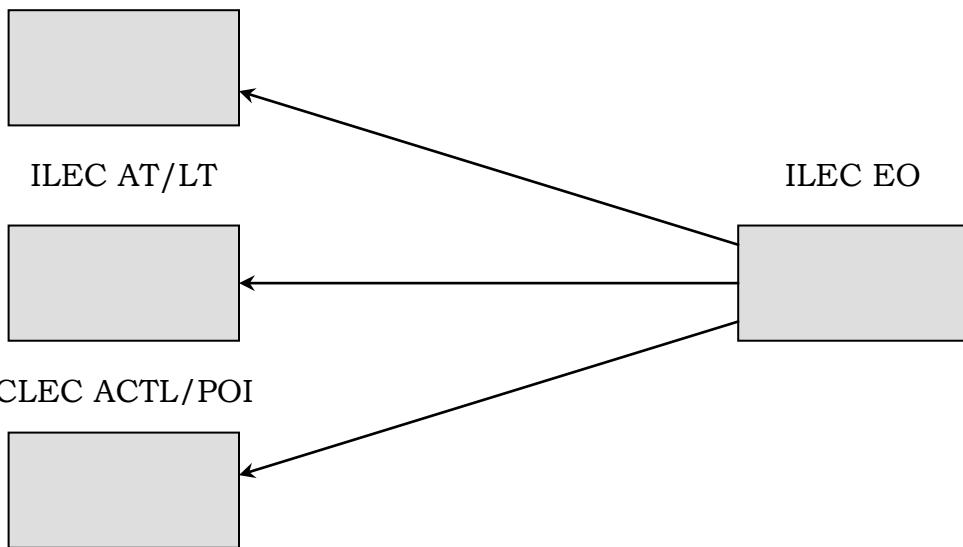
ASR Form:	Trunking Form:	TQ Form:
REQTYP=MD	TTT	TG ACT
	TRFTYP=E9	TGTYP
	CIC	DIR
		TK SEQ
		TK SIG
		CIC
		COIN EA
		GLARE
		ROUTING MATRIX

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



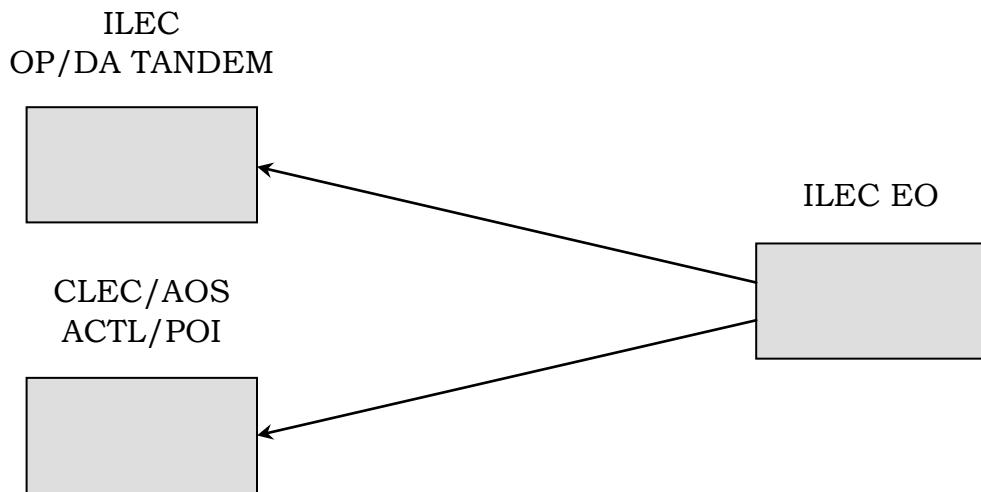
DATA ELEMENTS:

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

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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

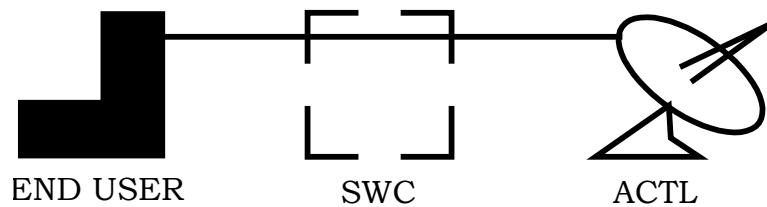
For ordering purposes, a Centrex switch is treated as a provider end office termination.

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:

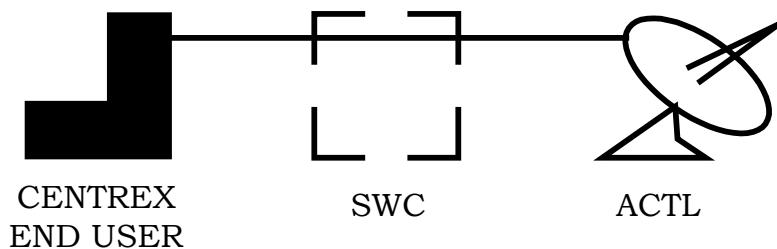


11.4 SPECIAL ACCESS TERMINATING ON A CENTREX This special access configuration is a typical tie trunk operation off a Centrex.

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

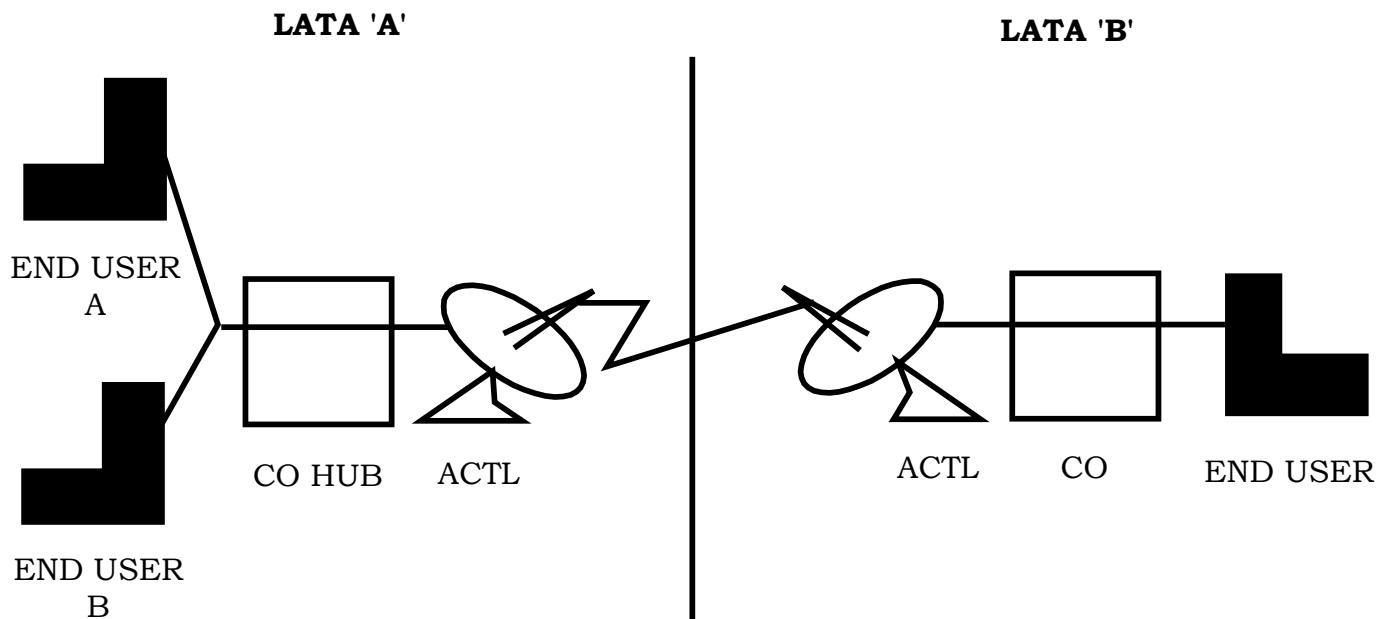


11.5 MULTIPONT SERVICE This configuration describes a multipoint access service. The request is comprised of an ASR, TRANSPORT, two (2) Multipoint Service Leg (MSL) Forms and two (2) SALI Forms. An MSL Form is used to order from the bridge to each end user location.

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):

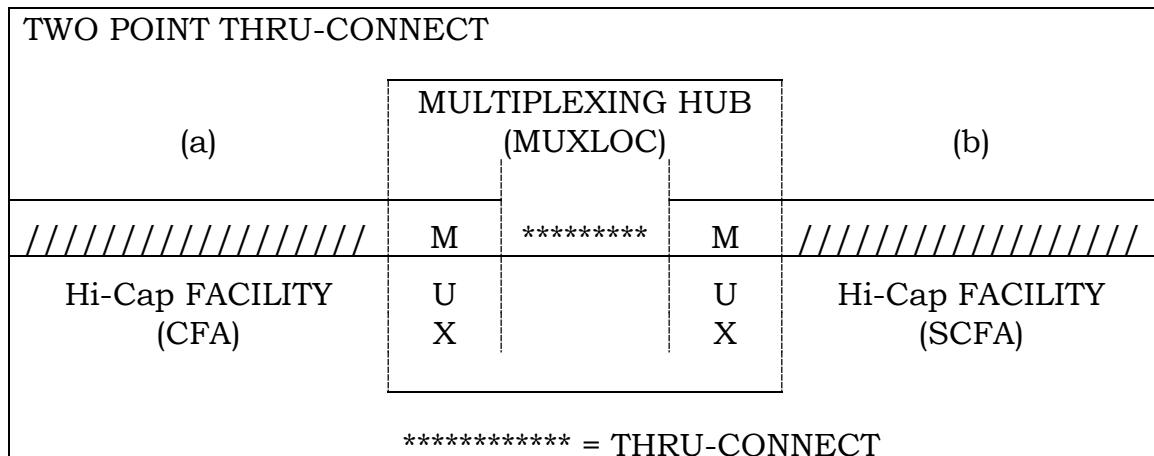
ORDERING FORM:	FIELDS USED SPECIFICALLY FOR A THRU-CONNECT CONFIGURATION ARE:	
TRANSPORT	CFA	- Identifies the channel(s) of the multiplexed Hi-Cap facility being utilized for the "a" connection in the provider central office (or HUB). This CFA is associated with the ACTL specified on the ASR Form.
TRANSPORT	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.

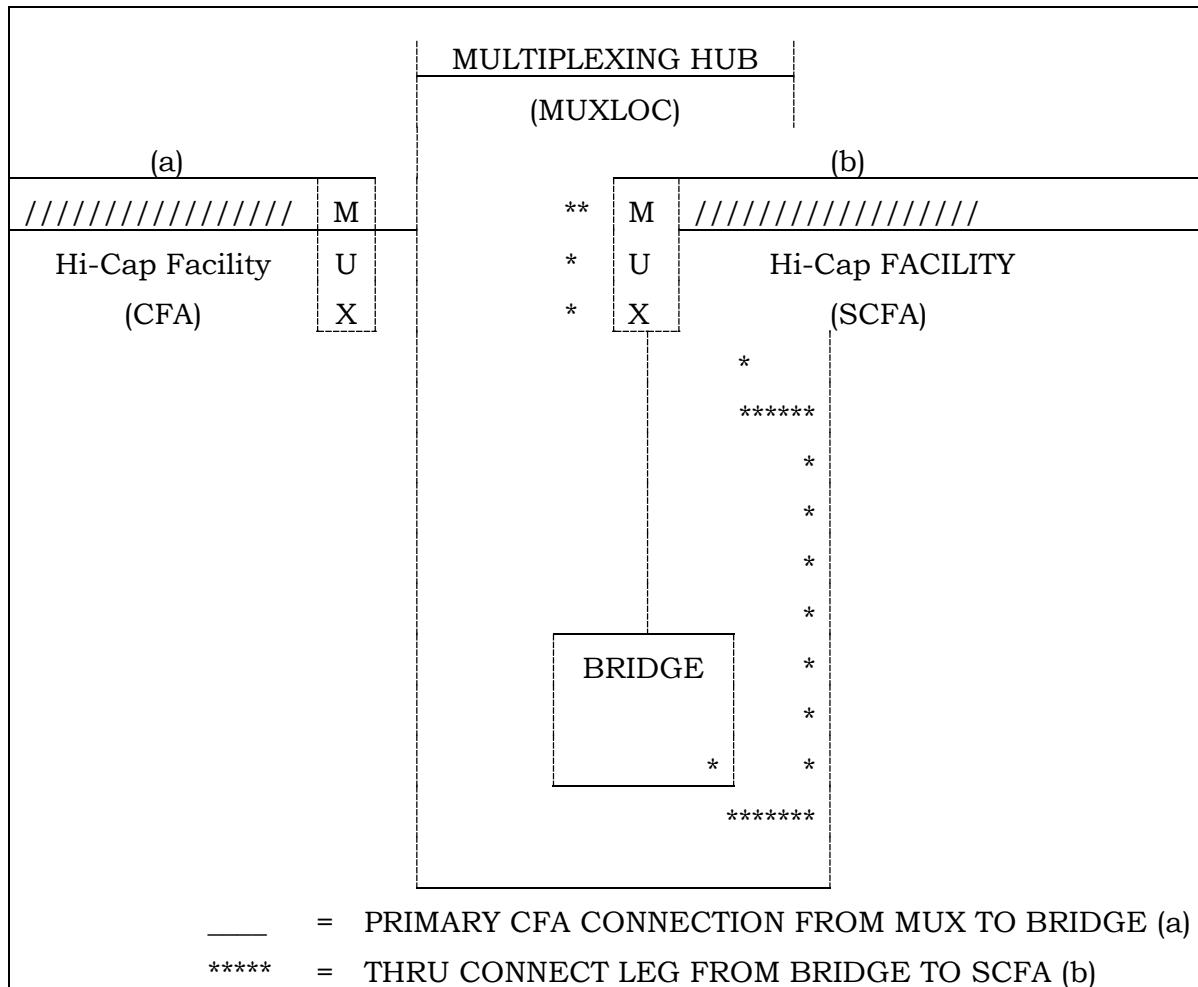
11.8 MULTIPOINT THRU-CONNECT (CONTINUED)

- | | | |
|---------------------------------|--------|--|
| MULTIPOINT
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
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
SERVICE LEG (MSL) | SPOT | - Identifies the SECLOC CLLI code when LEG (MSL) the SECLOC is a secondary ACTL. |

11.8 MULTIPLEXING HUB (CONTINUED)

EXAMPLE Y: MULTIPLEXING HUB (CONTINUED)

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	- 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.
TRANSPORT	NCI	- 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.
TRANSPORT	CFA	- 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.

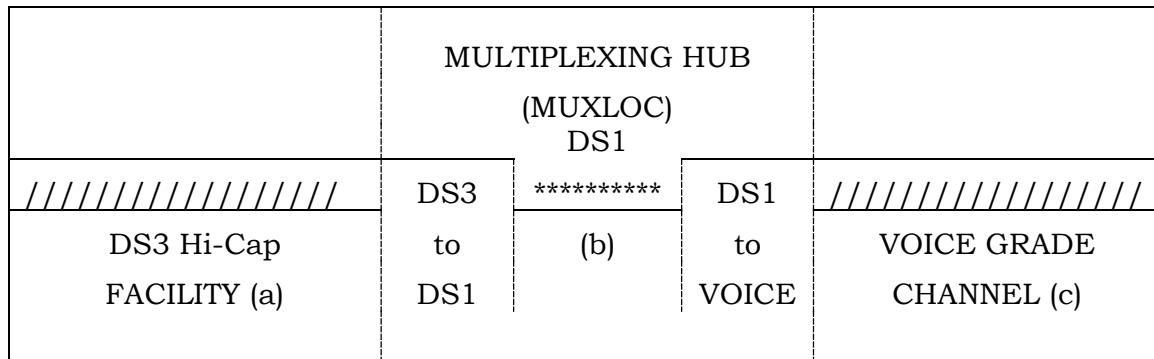
11.9 CASCADING MULTIPLEXING (CONTINUED)

- | | | |
|-----------|---------|---|
| 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".

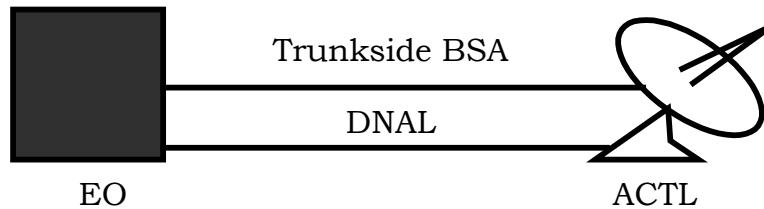
11.10 DEDICATED NETWORK ACCESS LINE (DNAL) - GENERAL The Dedicated Network Access Link (DNAL) provides a dedicated data channel between the customer termination and a designated central office which contains the specific features required by the customer.

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

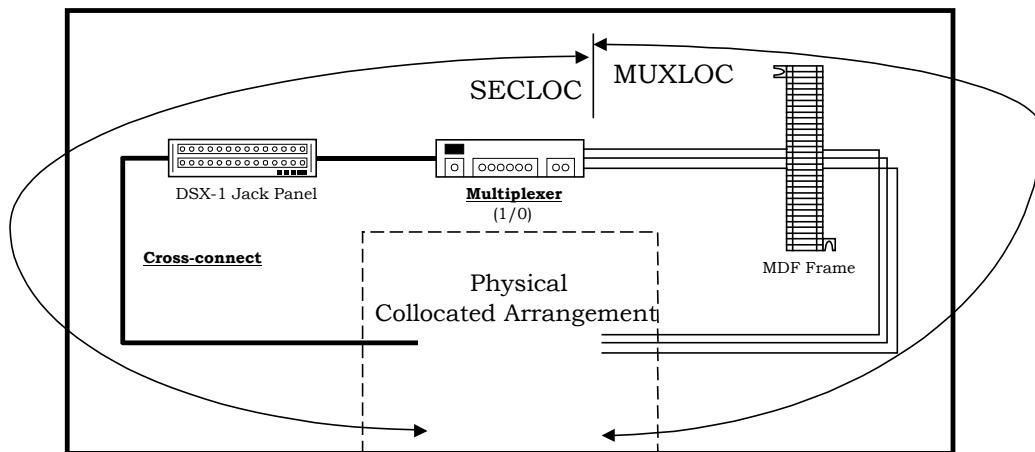
1. Physical COLLOCATION to physical COLLOCATION
 - A. Same CENTRAL OFFICE
 - B. Different CENTRAL OFFICE
2. Physical COLLOCATION to CLEC POI
3. Virtual COLLOCATION to CLEC POI
4. CLEC POI to CLEC POI

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

Unbundled Multiplexer
1/0



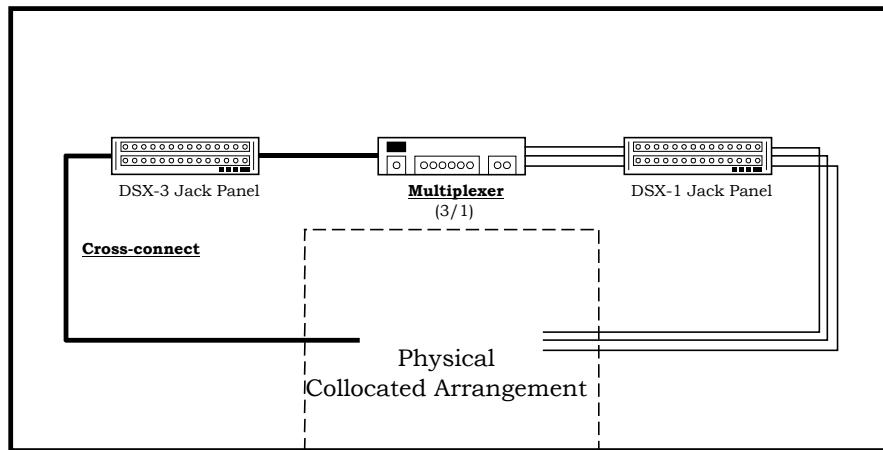
Note: The UNE field on the ASR Form must be populated when placing an order for this service. The above configuration requires two separate ASR's. The first ASR will be for the high speed side and the Multiplexer. The second ASR will be for the low speed connections from the Multiplexer to the collocation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

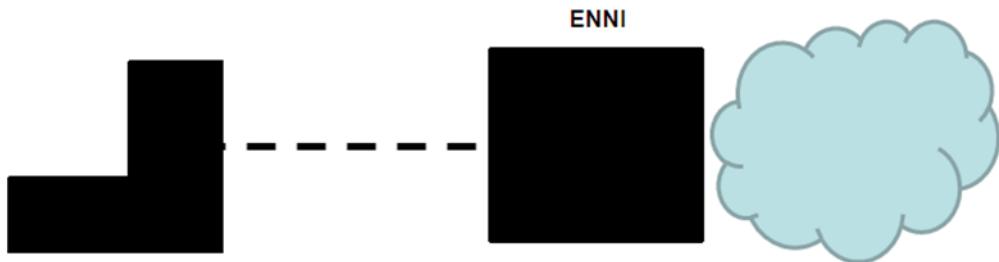
Unbundled Multiplexer
3/1



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.



ASR Form						
REQTYP	= S	SEI	= Blank			
ACT	= N					
ACTL	= Required					
QTY	= 1					
EVCI	= B					
Transport Form						
NC	= Specialized Ethernet Aggregation Service	SECLOC	= Required			
NCI	= Specialized Ethernet Aggregation Interface					
SECNCI	= Specialized Ethernet Aggregation Interface					
EVC Form						
EVC Detail Section		UNI Mapping Section				
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			
UREF #1 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N		EVCGLD		Bandwidth	

11.15 SPECIALIZED ETHERNET AGGREGATION COMBO SERVICES (continued)

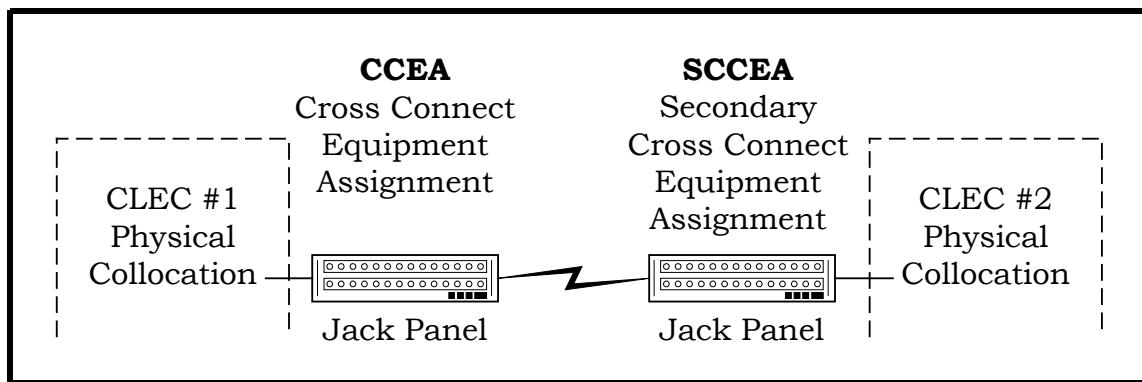
UNI Mapping Section – UNI #2						
UREF	= 2					
UACT	= N					
NCI	= Port based/VLAN					
L2CP	= As needed					
RUID or RPON	= ECCKT of Specialized Ethernet Aggregation #2					
	= PON of Specialized Ethernet Aggregation #2 ASR					
EVCSP	= Optional					
VACT	= Optional					
CE-VLAN	= Optional					
S-VACT	= As needed					
S-VLAN	= As needed					
SVP	= As needed					
UREF #2 LOS Mapping						
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)



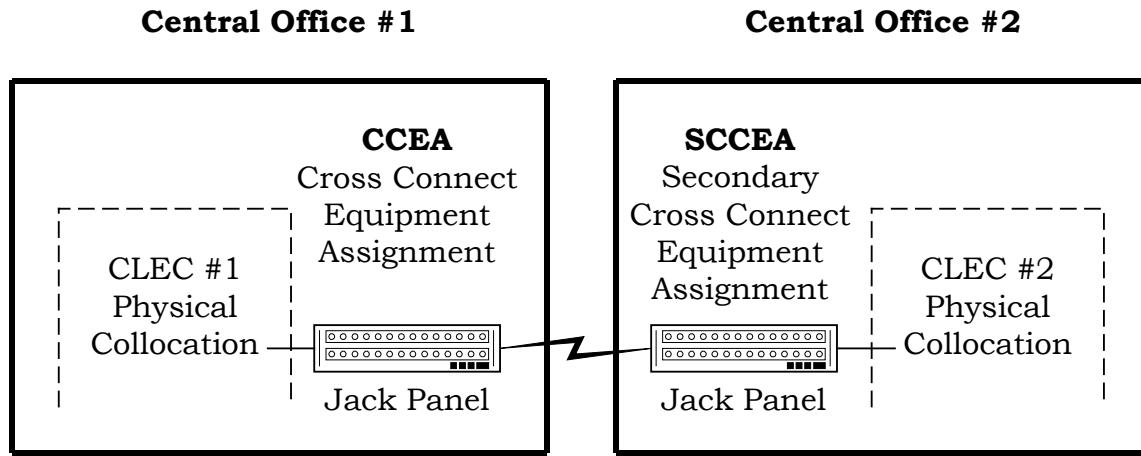
Note: The UNE field on the ASR Form must be populated when placing an order for this service.

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)

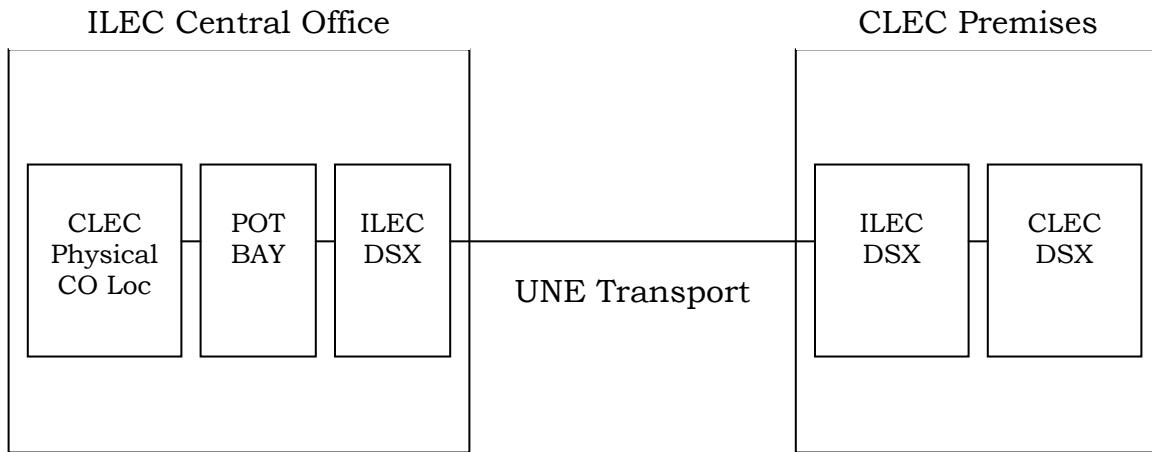


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

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

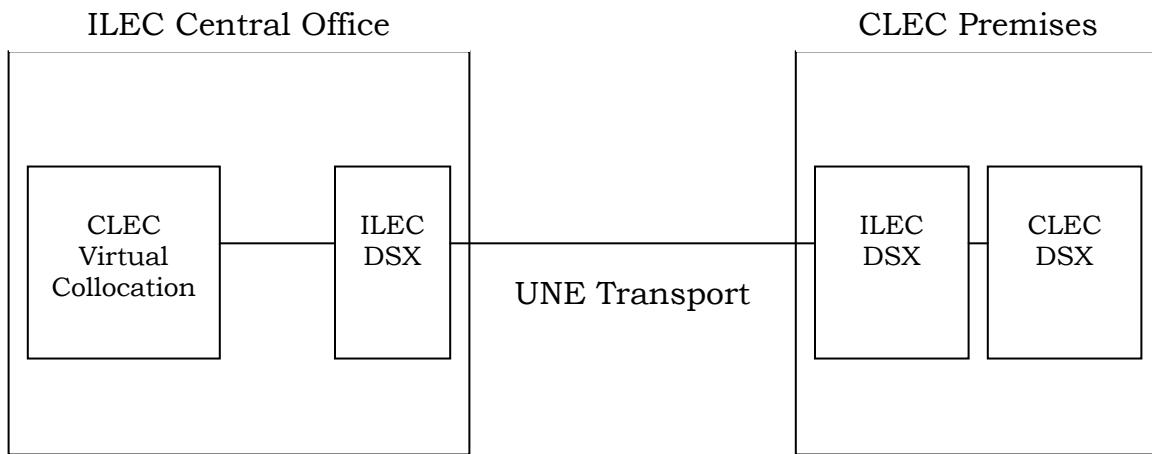


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

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

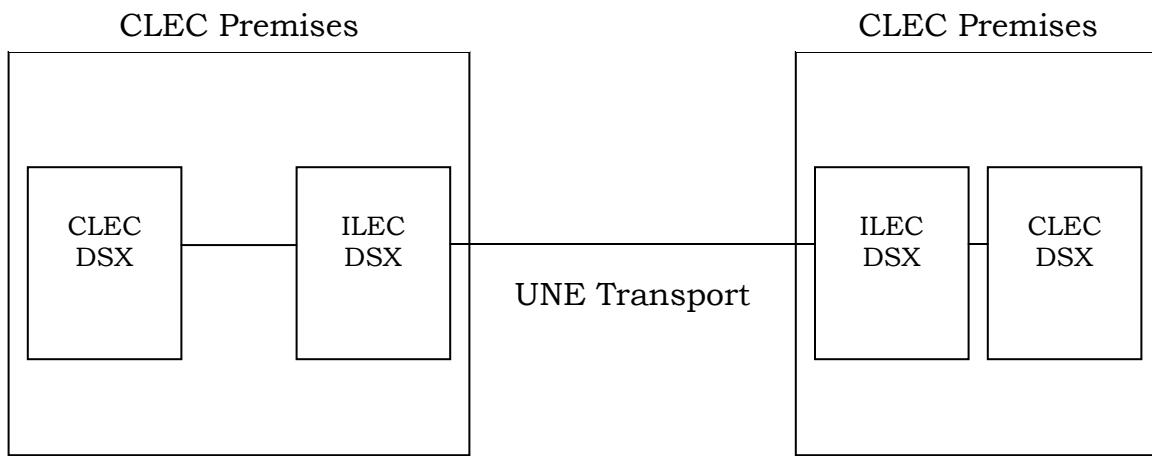


Note: The UNE field on the ASR Form must be populated when placing an order for this service.

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

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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:

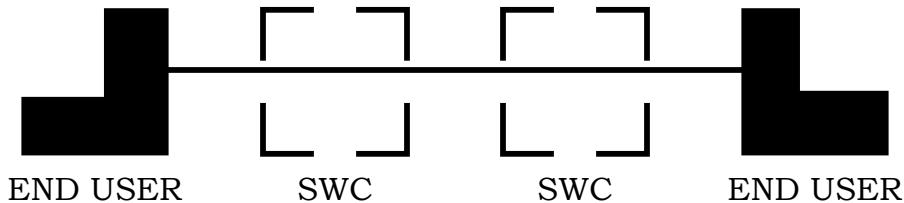
- The end user location with the capability to switch the circuit InterLATA is identified as the primary location (PRILOC) and all other end user locations are identified as secondary locations (SECLOCs).
- When more than end user locations have the capability of switching, the assignment of the PRILOC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

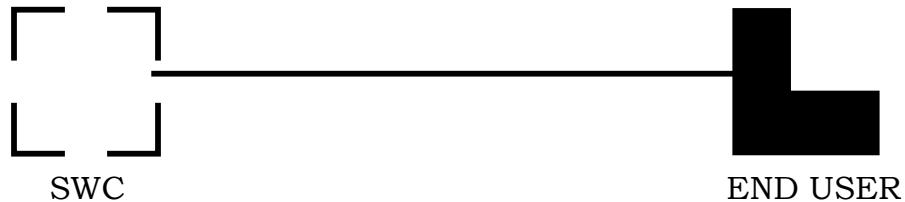
ASR FORM
NO-ACTL
EUSA FORM
PRILOC
(2) SALI FORMS
SECLOC



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

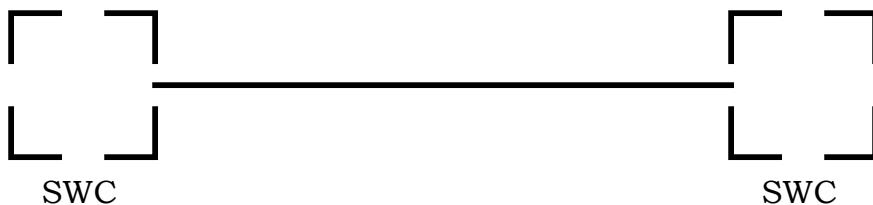


12.2.2 CROSS-CONNECTS (CONTINUED) Another application for the use of the EUSA is to order between two locations when both locations are provider offices with DCS or MUX capabilities. Identification of these locations is as follows:

- 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

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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.

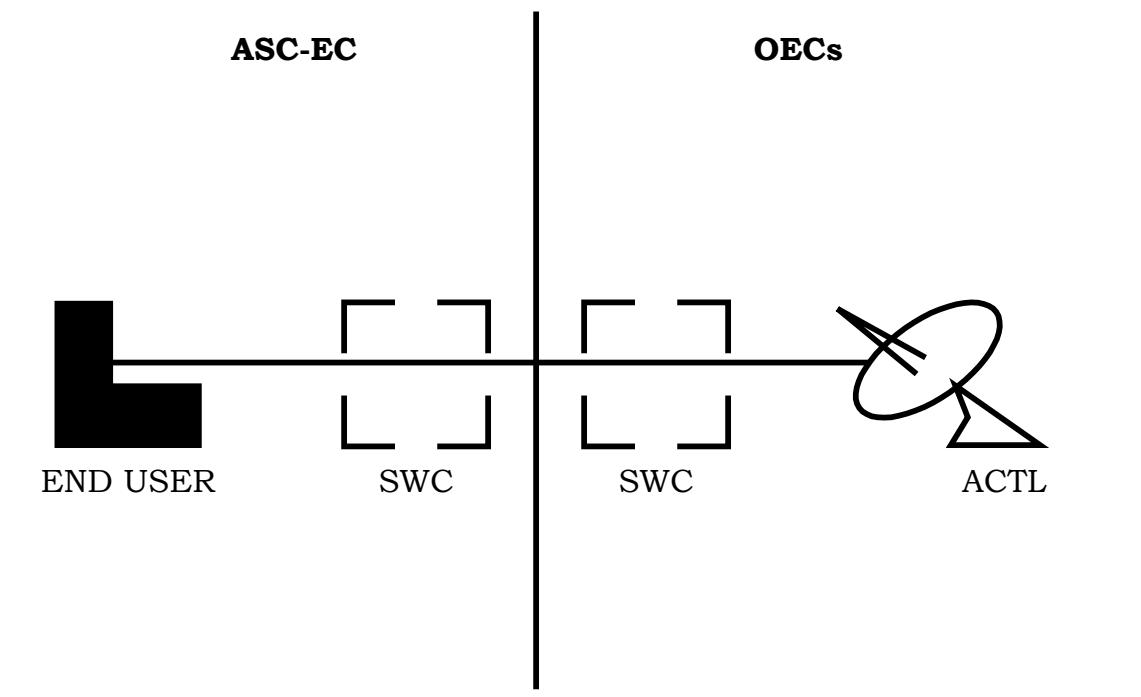
13.2 MULTI-EC ORDERING CONFIGURATIONS

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

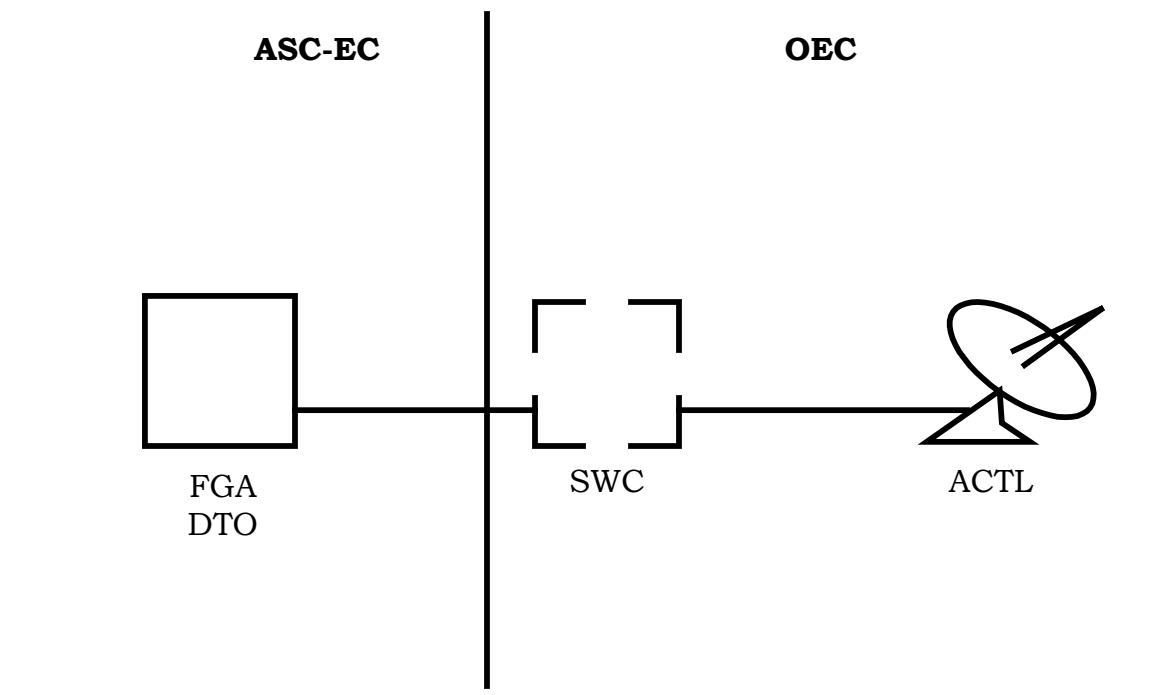


13.2.2 FEATURE GROUP A MULTI-EC This configuration depicts a FGA Foreign Exchange service from a FGA end office to an ACTL. The FGA service is provided by two providers within the same LATA, requiring the Multi-EC Form in addition to the ASR and Service Specific Form.

LATA ORDERING REQUIREMENTS:

PROVIDER #1
ASR FORM
FGA FORM
MULTI-EC FORM

PROVIDER #2
ASR FORM
TRANSPORT FORM
MULTI-EC FORM



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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

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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.

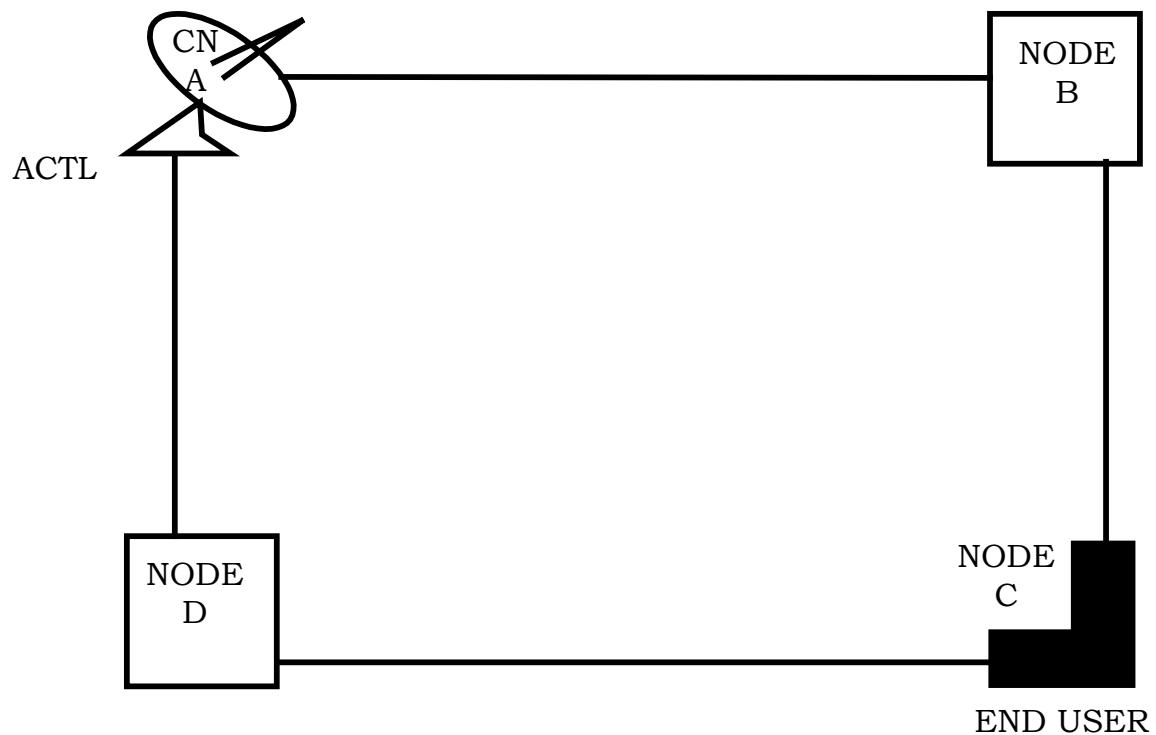
14.2 RING ORDERING CONFIGURATIONS The Ring Form Preparation Guide (ATIS-0404021) addresses the ordering requirements for the first segment of the ring for this request.

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.

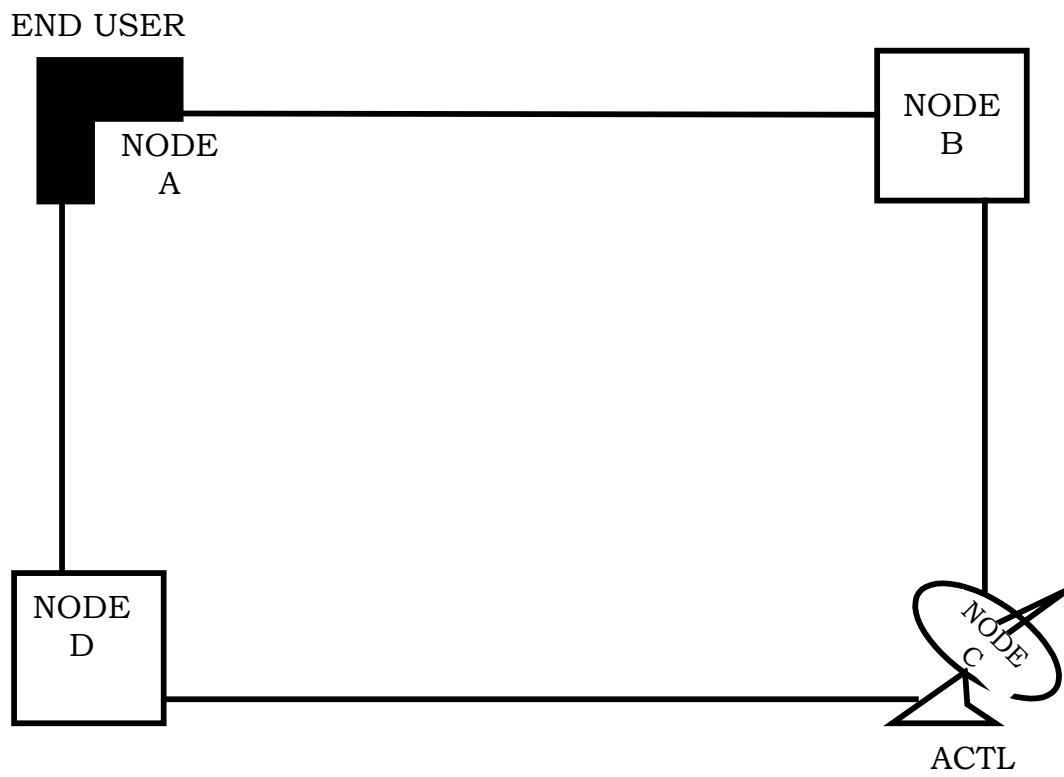
ASR FORM	RING FORM
REQTYP = R ACT = N FNI = N or preassigned FNI QTY = 4 (number of segments) ACTL = CLLI Code of POP ("A" location) QSA = 1	Segment A to B NC NCI SECNCI NID SECLOC ("B" location) Assumed REF NUM 0001
ARI FORM #1 Segment B to C NC NCI SECNCI REF NUM = 0002 PRILOC = ("B" location) SPOT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



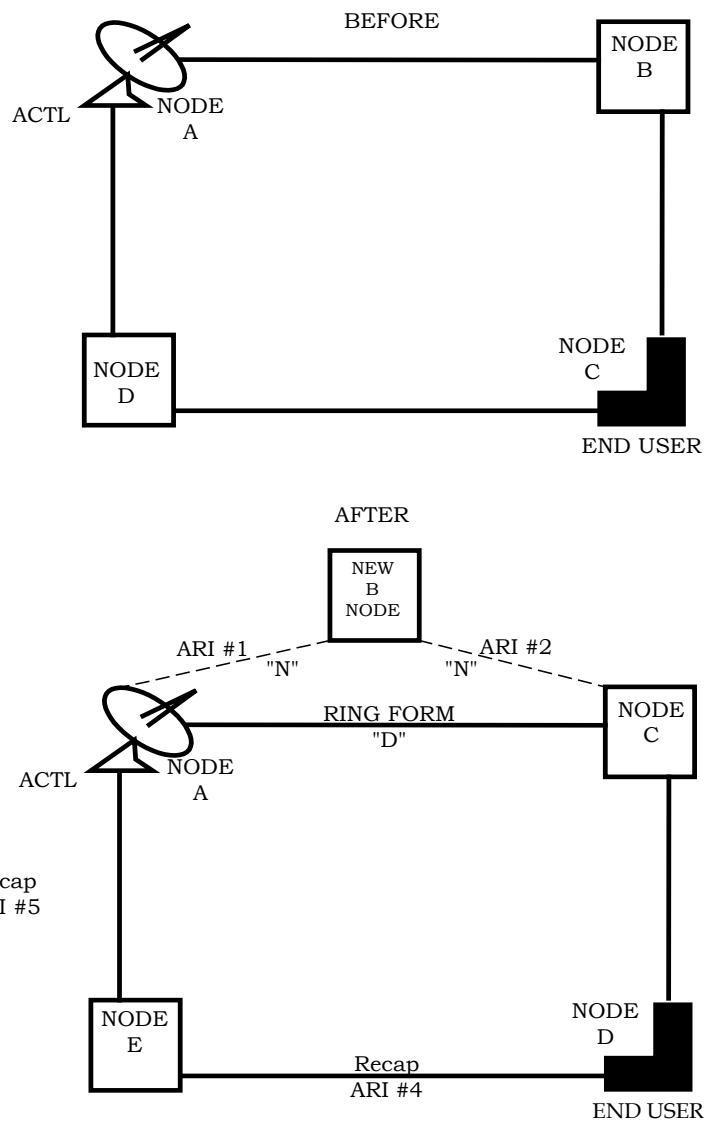
14.4 ESTABLISH A 4 NODE RING-POP ON RING AT LOCATION C (CONT'D) In this example, node C is located at a POP; therefore, the ACTL CLLI code will be entered in the SPOT (SEC) field on the ARI Form #1 and the SPOT (PRI) field on the ARI Form #2. Since node A is not a POP, the PRILOC field on the RING Form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

ASR FORM	RING FORM
<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>
<p>ARI FORM #1 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>ARI FORM #2 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>
<p>ARI FORM #3 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>SALI FORM 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



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:

ASR FORM	RING FORM
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
ARI FORM #1	ARI FORM #2
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

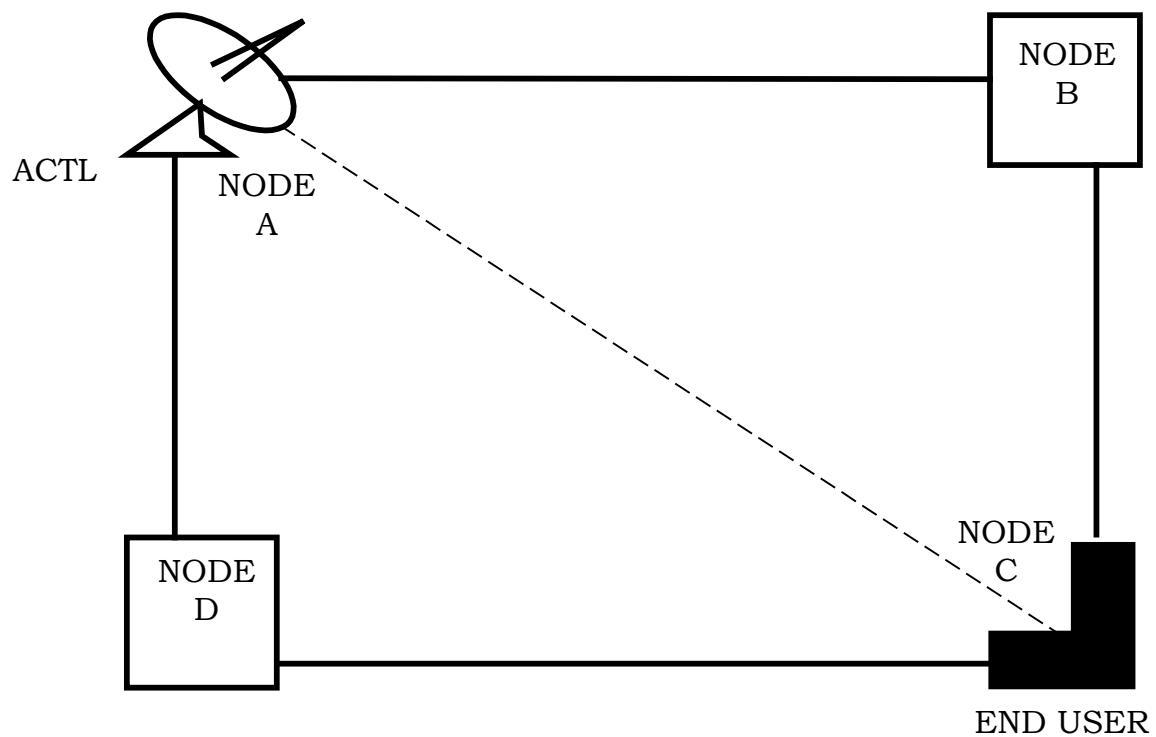
For those who recap, 3 additional ARIs are required:

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:

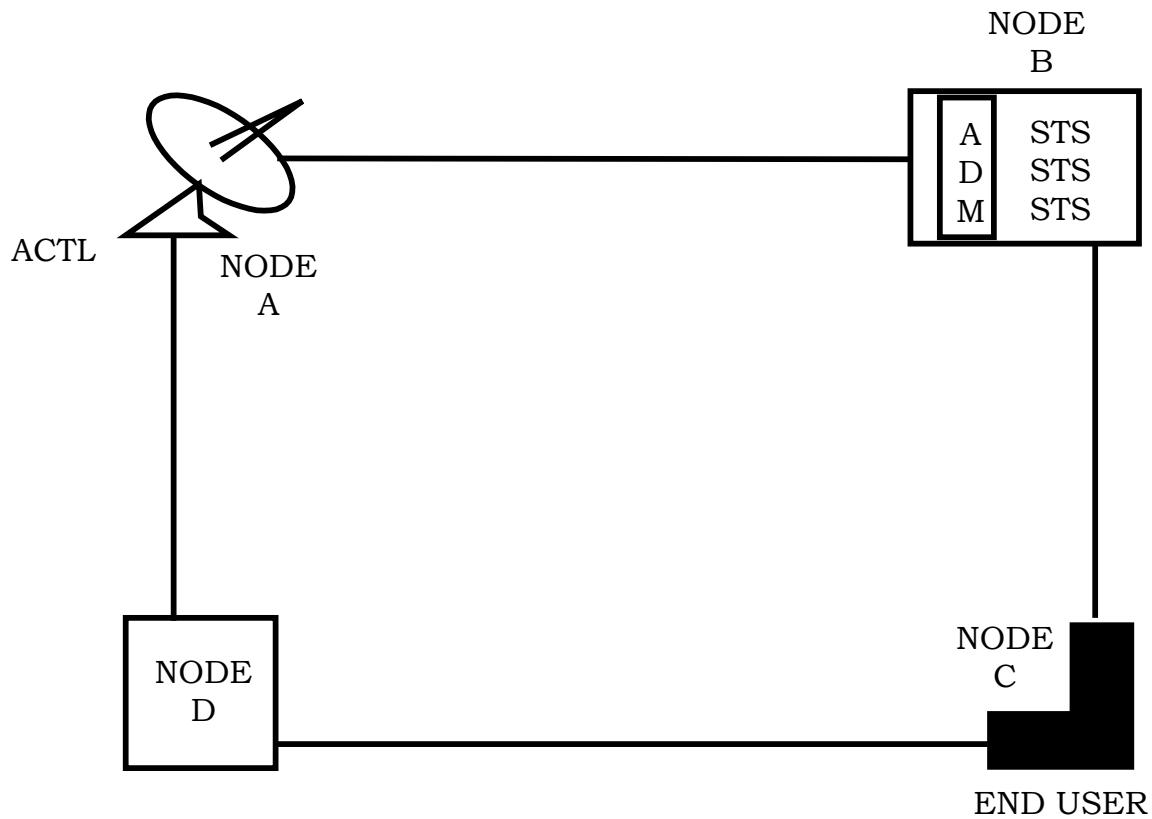
ASR FORM	RING FORM
REQTYP = R ACT = C FNI CKR ECCKT = CLF A-B (old) QTY = 3 (number of segments touched) ACTL	Segment A to B SEGACT = D NID Assumed REF NUM 0001
ARI FORM #1 Segment B to C SEGACT = D REF NUM = 0002 ECCKT = B - C NID	ARI FORM #2 New Segment A to C NC NCI SECNCI SEGACT = N REF NUM = 0003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

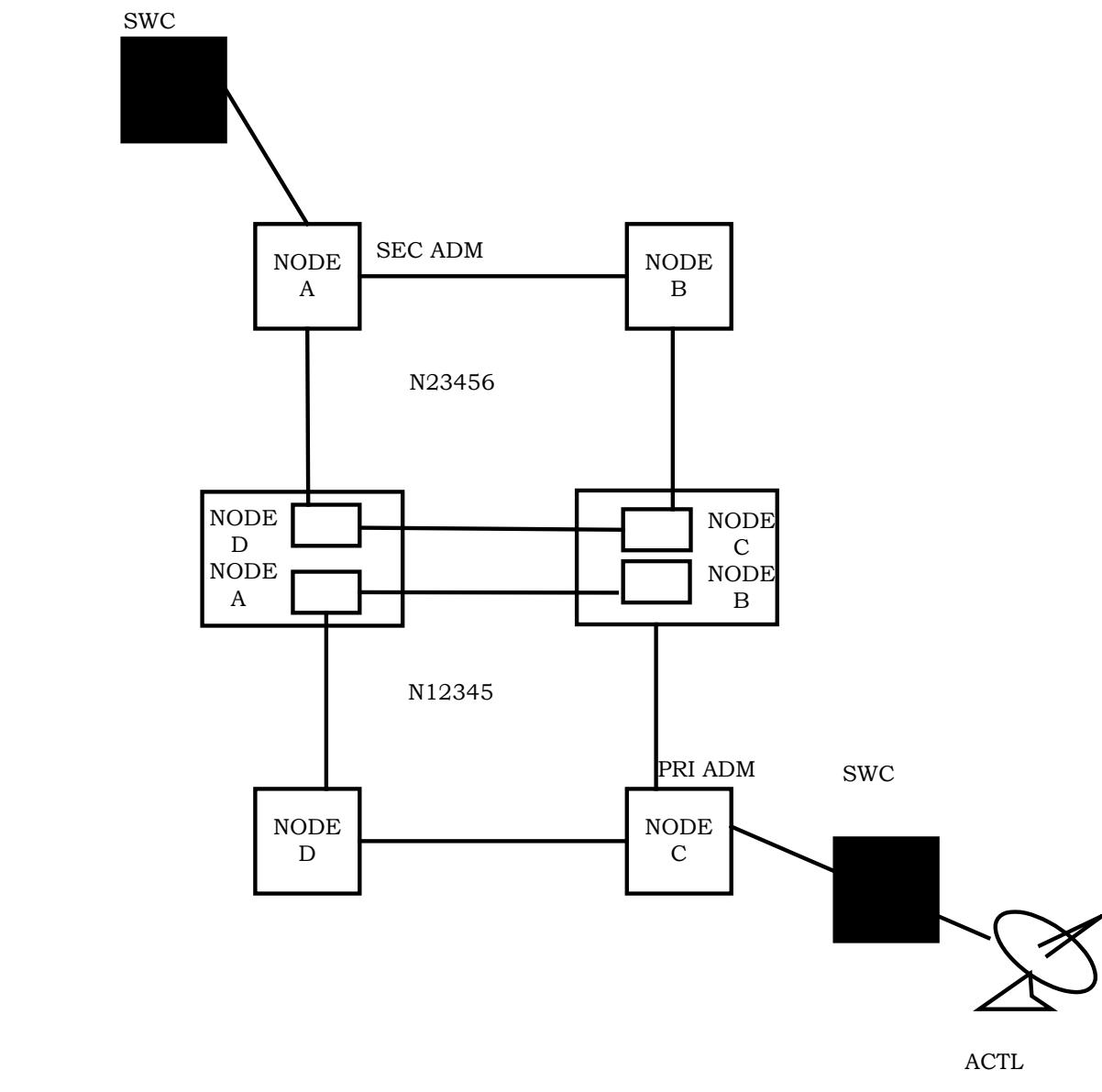
RING Form

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:

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

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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

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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.

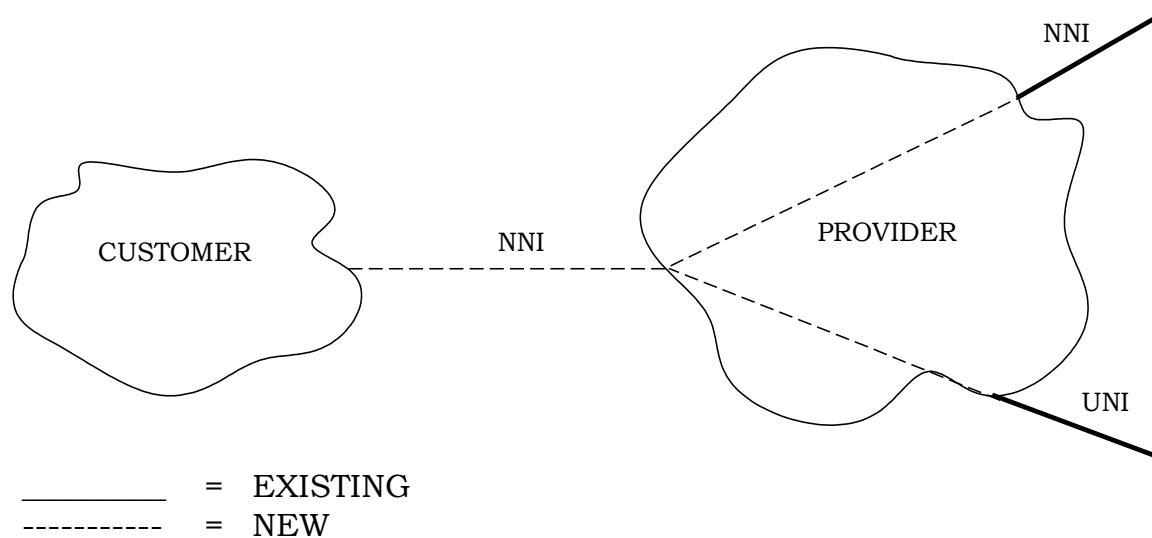
15.3 VIRTUAL CONNECTION CONFIGURATIONS

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



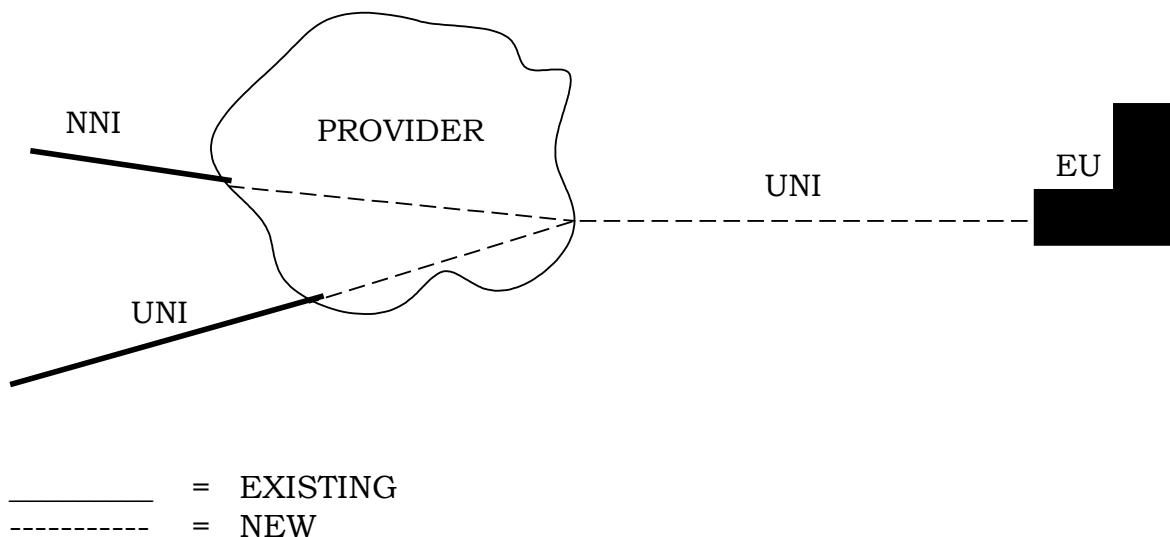
Data elements:

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

15.3.2 ESTABLISH NEW UNI WITH VCs

ORDERING REQUIREMENTS:

ASR FORM
EUSA FORM
SALI FORM
VC FORM



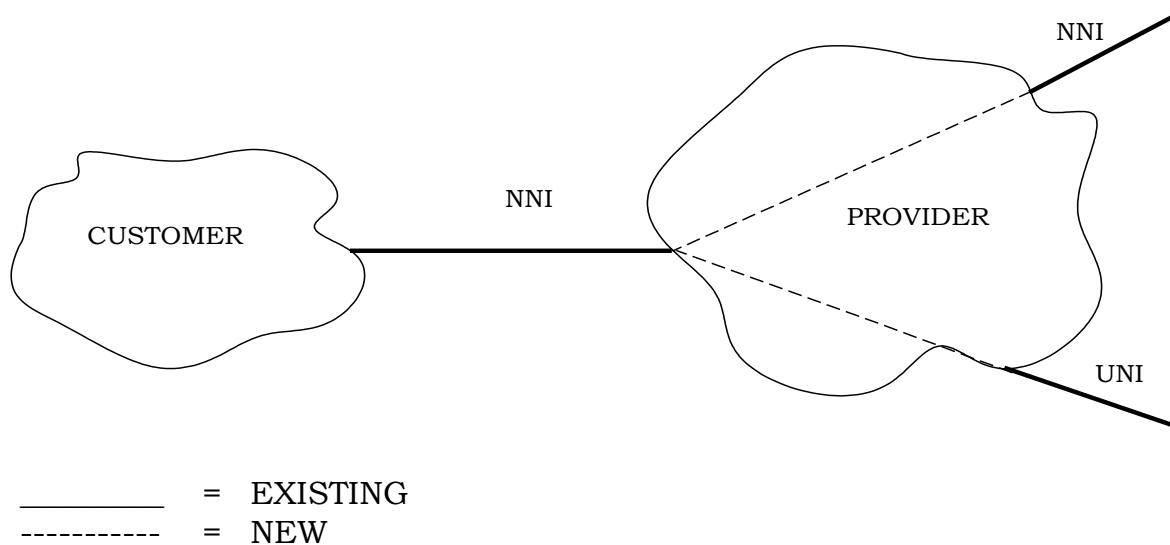
Data elements:

ASR Form:	EUSA Form:	VC Form:	SALI Form:
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



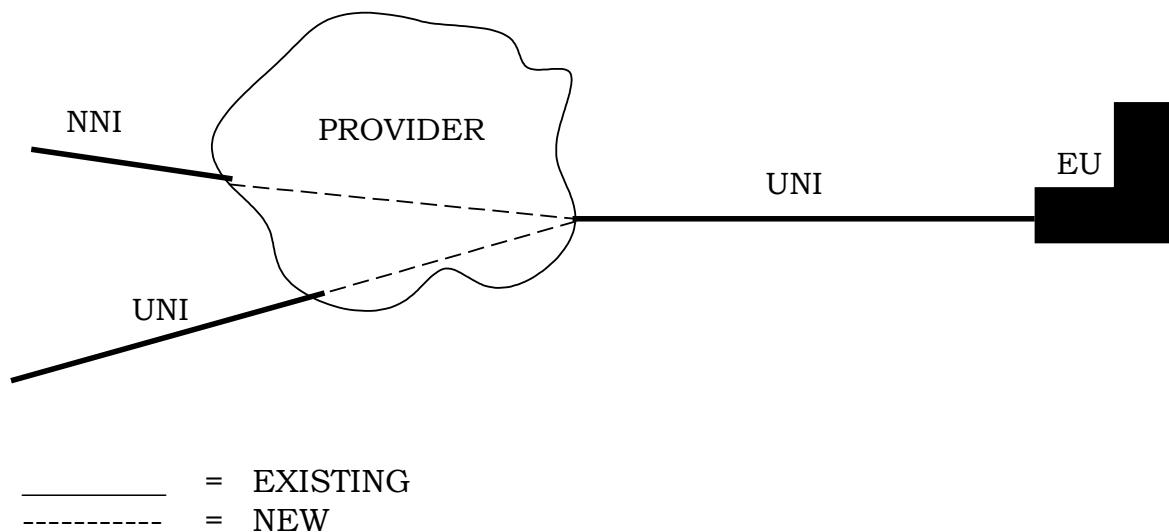
Data elements:

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

15.3.4 ESTABLISH VCs OVER EXISTING UNI

ORDERING REQUIREMENTS:

ASR FORM
EUSA FORM
SALI FORM
VC FORM



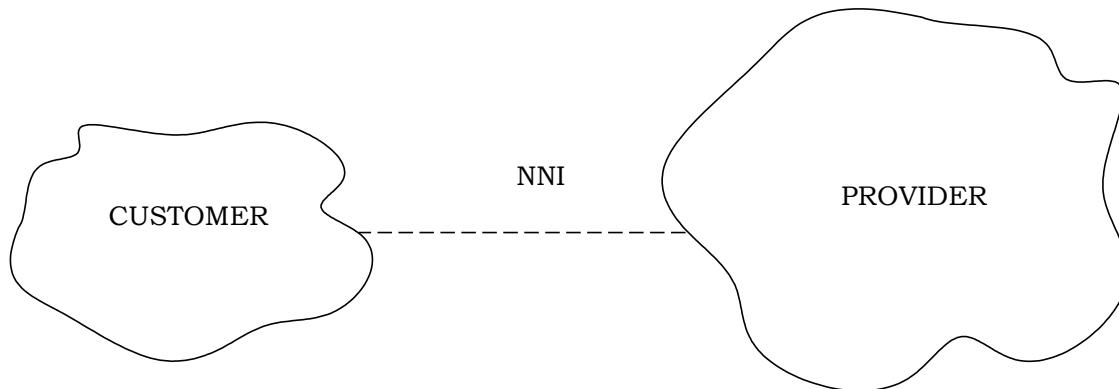
Data elements:

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

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

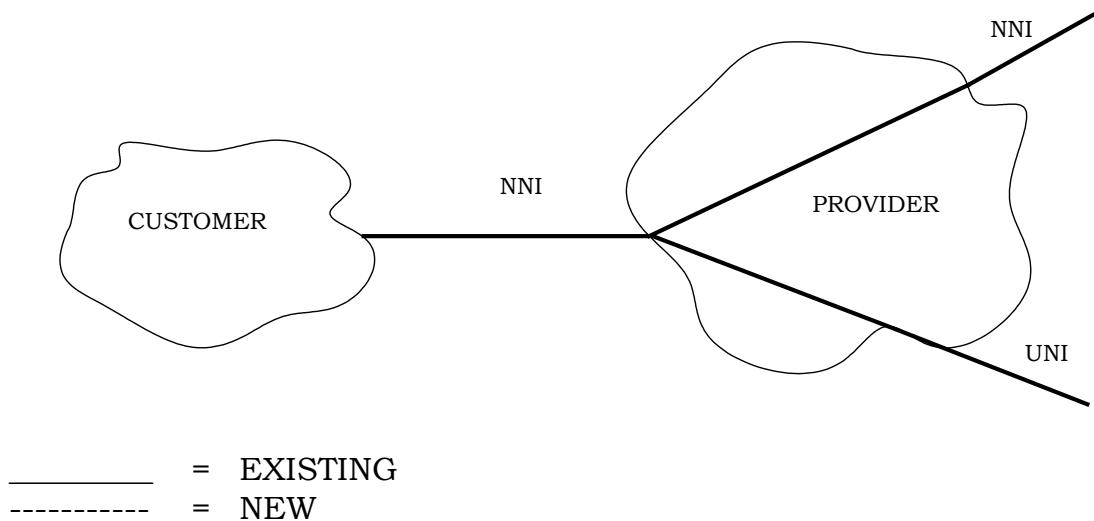
SALI FORM:

AFT
REF NUM

15.3.6 CHANGE VC VALUES

ORDERING REQUIREMENTS:

ASR FORM
TRANSPORT FORM
VC FORM



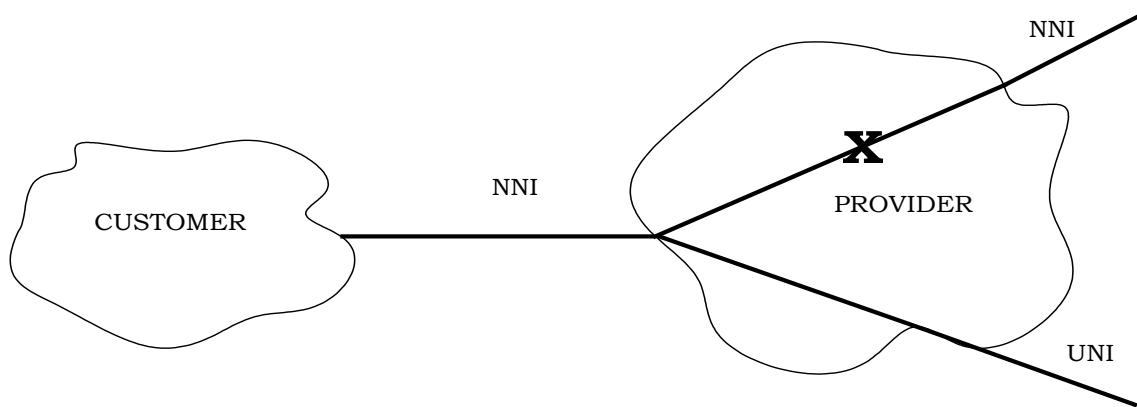
Data elements:

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

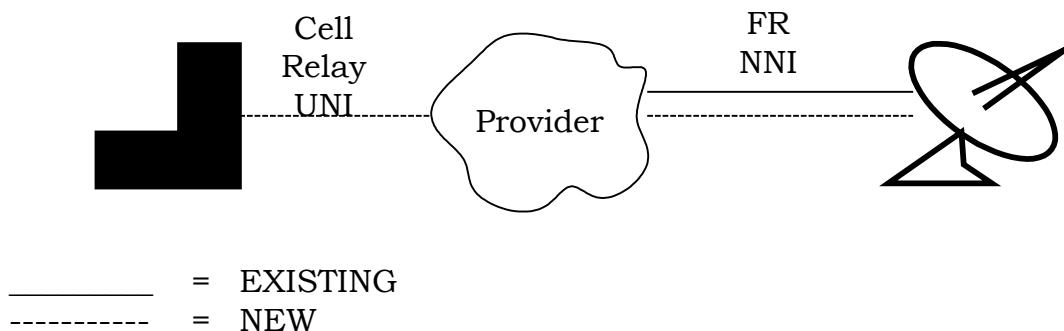
VCACT

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

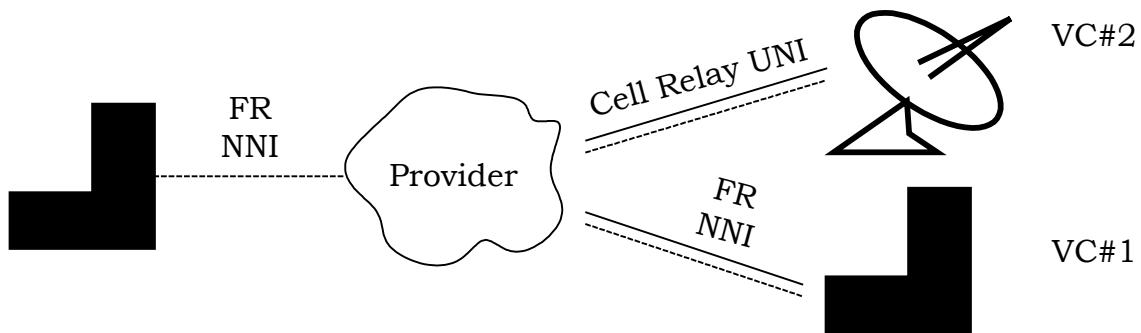
VST = B

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:

ASR Form:	EUSA Form:	VC Form #1	VC Form #2
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

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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)

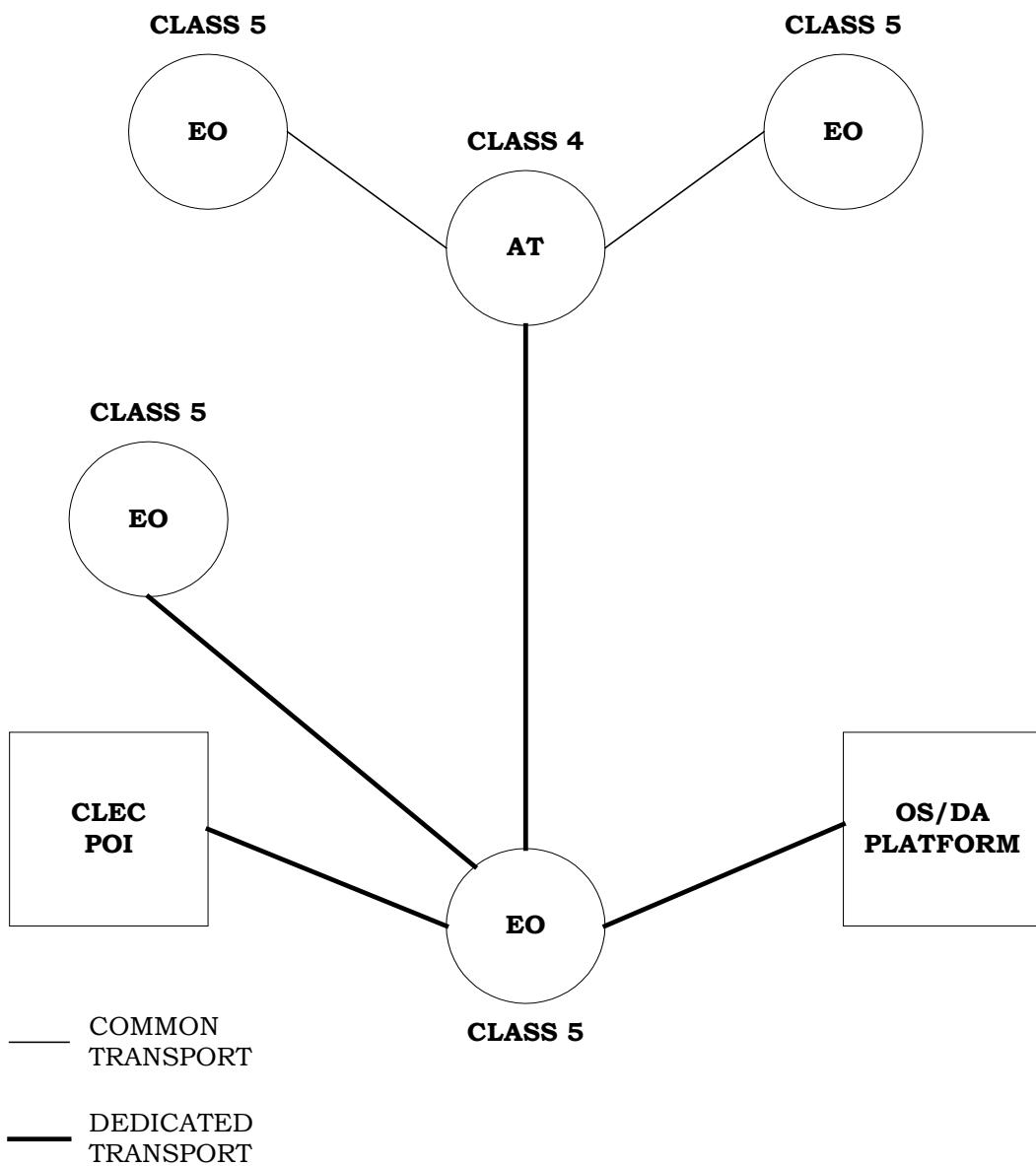
OTHER ITEMS FOR DISCUSSION

- 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

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17. NETWORK ASSIGNMENT INFORMATION

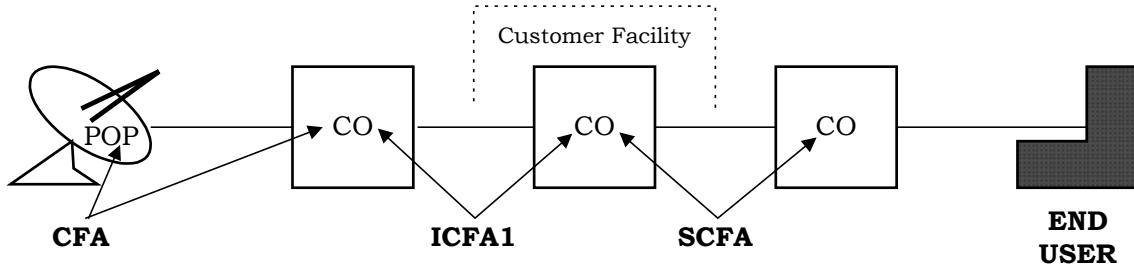
17.1 **GENERAL** Network Assignment Information (NAI) Form is to be used when the customer is providing Intermediate Connecting Facility Assignment(s) (ICFA), alternate facility/ACTL and/or Drop Port Equipment Assignment(s) (DPEAA/DPEAZ). This form may be needed in addition to the service specific form.

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

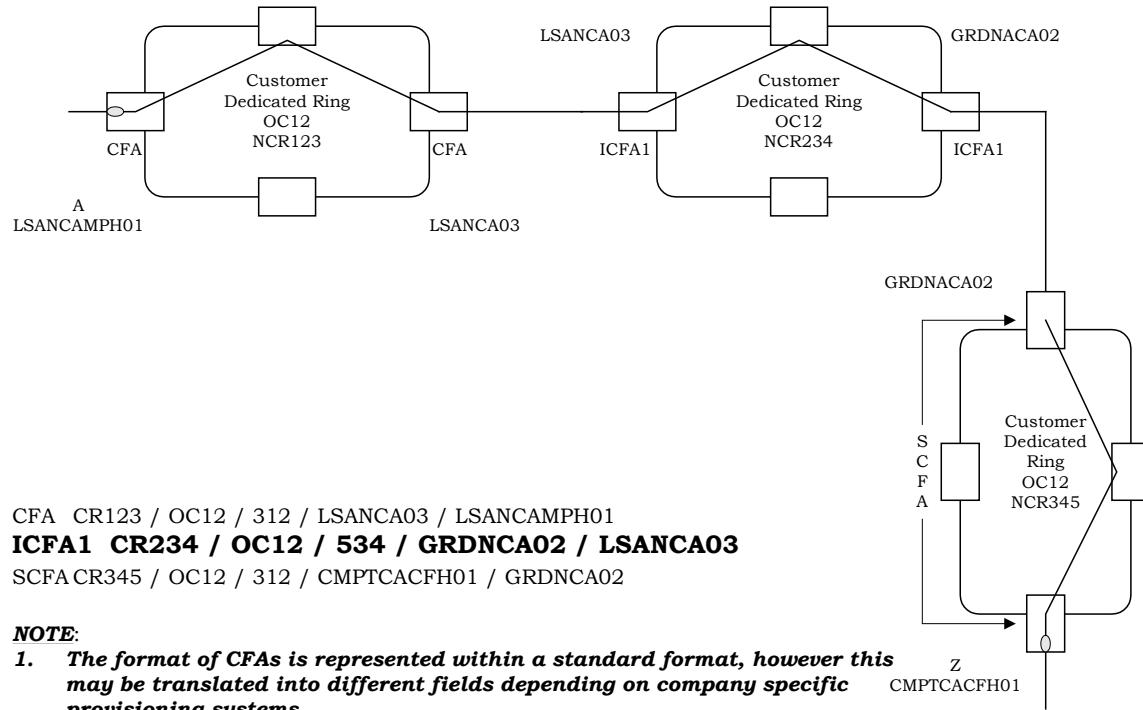
REQTYP = S
AFO
QNAI

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

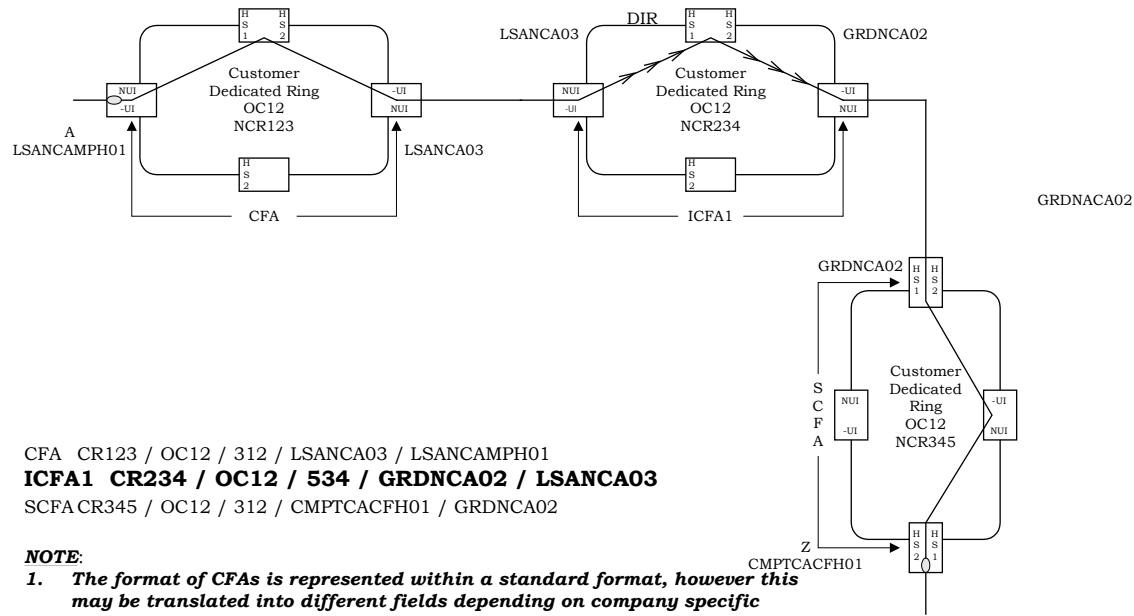
REQTYP = S
AFO
QNAI

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

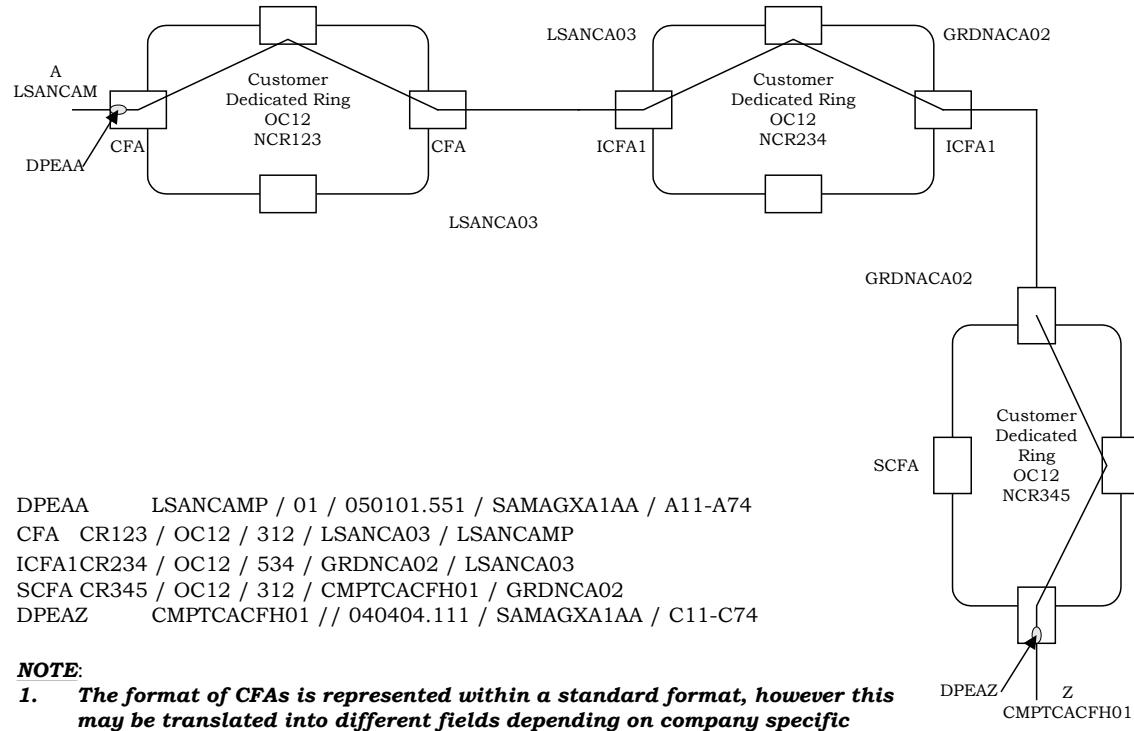
REQTYP = S
AFO
QNAI

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 (DPEAA / DPEAZ)



ORDERING REQUIREMENTS

ASR FORM

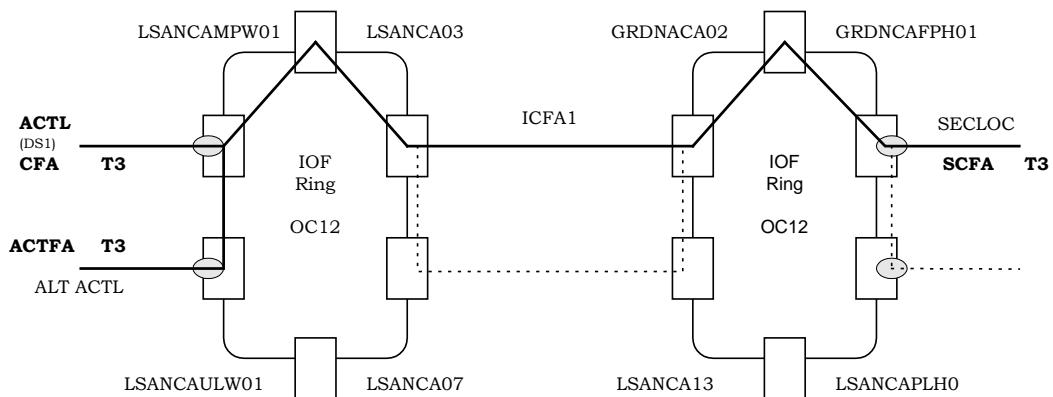
REQTYP = S
AFO
QNAI

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 / GRDNCA02 / LSANCA03
SECLOC GRDNCAFPH01
SCFA 201 / T3 / 13 / GRDNCAFPH01 / GRDNCAFPH01

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	TRANSPORT FORM	NAI FORM
REQTYP = S		REF NUM
AFO		ACFA
QNAI		DPEAZ
		ALT ACTL

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CLARIFICATION/NOTIFICATION REQUEST

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

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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.

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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

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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:

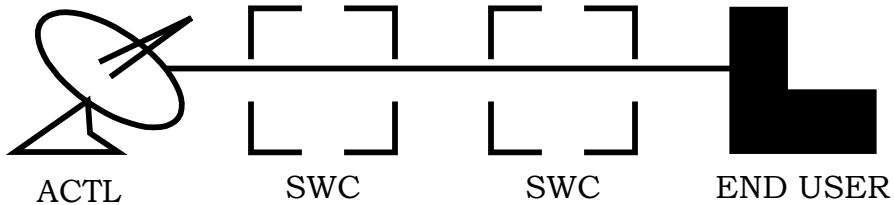
ASR FORM

QSA = 1

TRANSPORT FORM (assumed REF NUM 0001)

SALI FORM

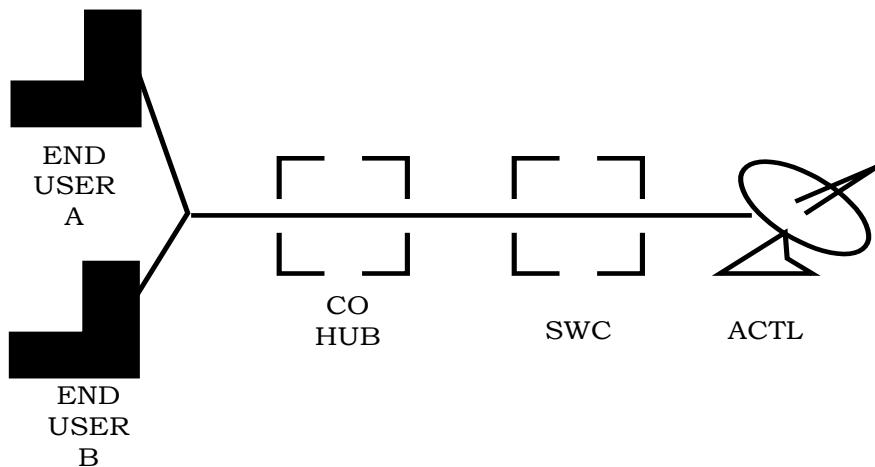
REF NUM = 0001 (assumed REF NUM 0001)



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

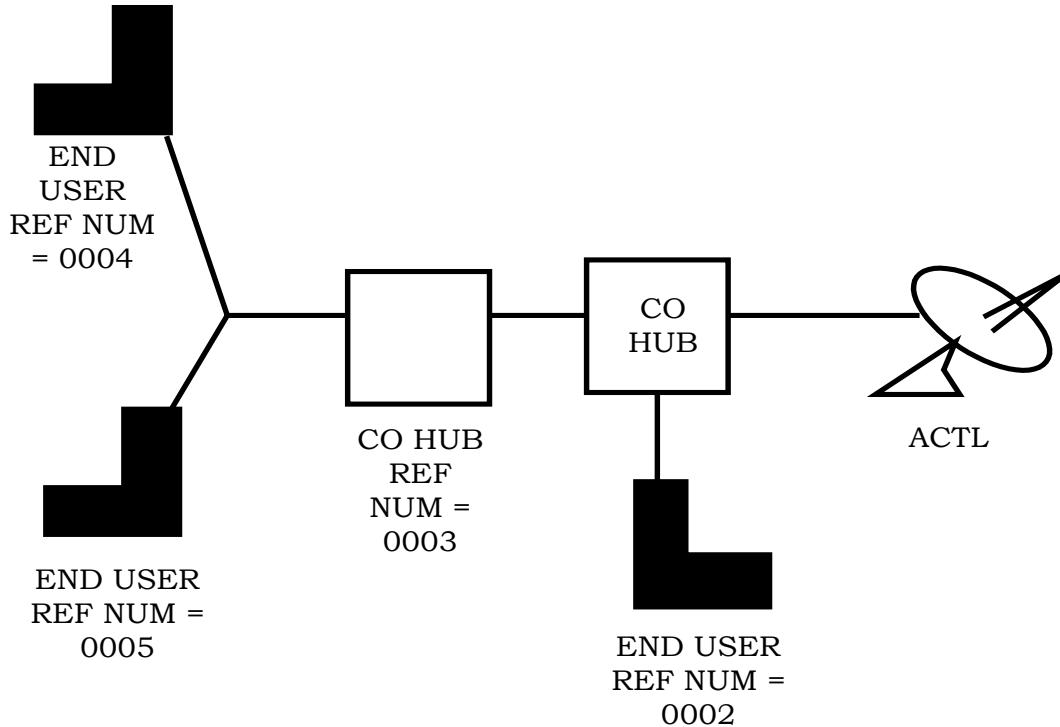
REF NUM = 0004

PI = blank

SALI FORM

REF NUM = 0005

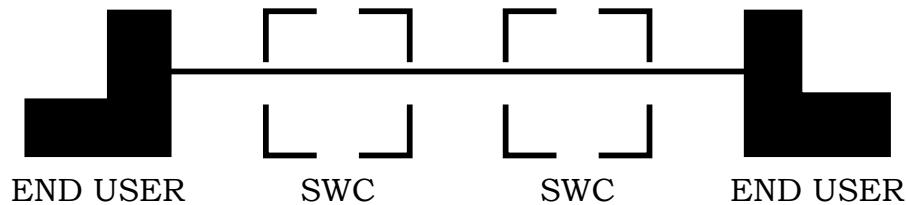
PI = blank



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

ORDERING REQUIREMENTS:

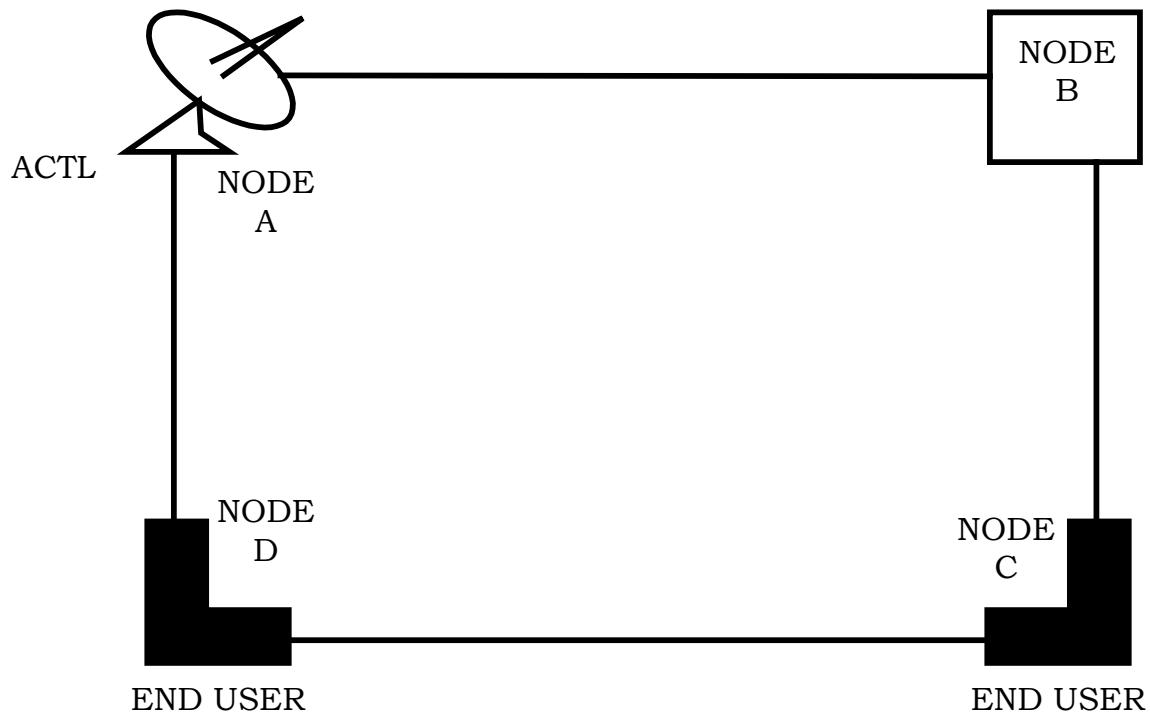
ASR FORM
QSA = 2
EUSA FORM
PRILOC
SECLOC
SALI FORM #1
PI = Y (This indicates primary location)
SALI FORM #2
PI = blank



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



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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

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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 cannot 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

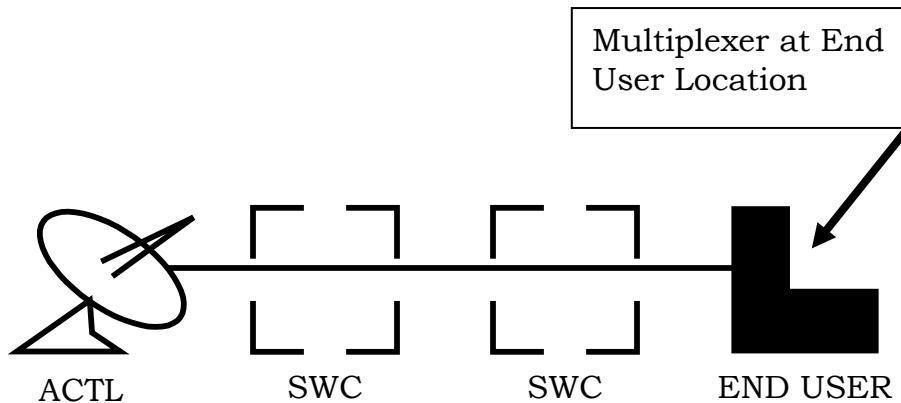
REF NUM = 0001

PC FORM

REF NUM = 0001

PI = blank

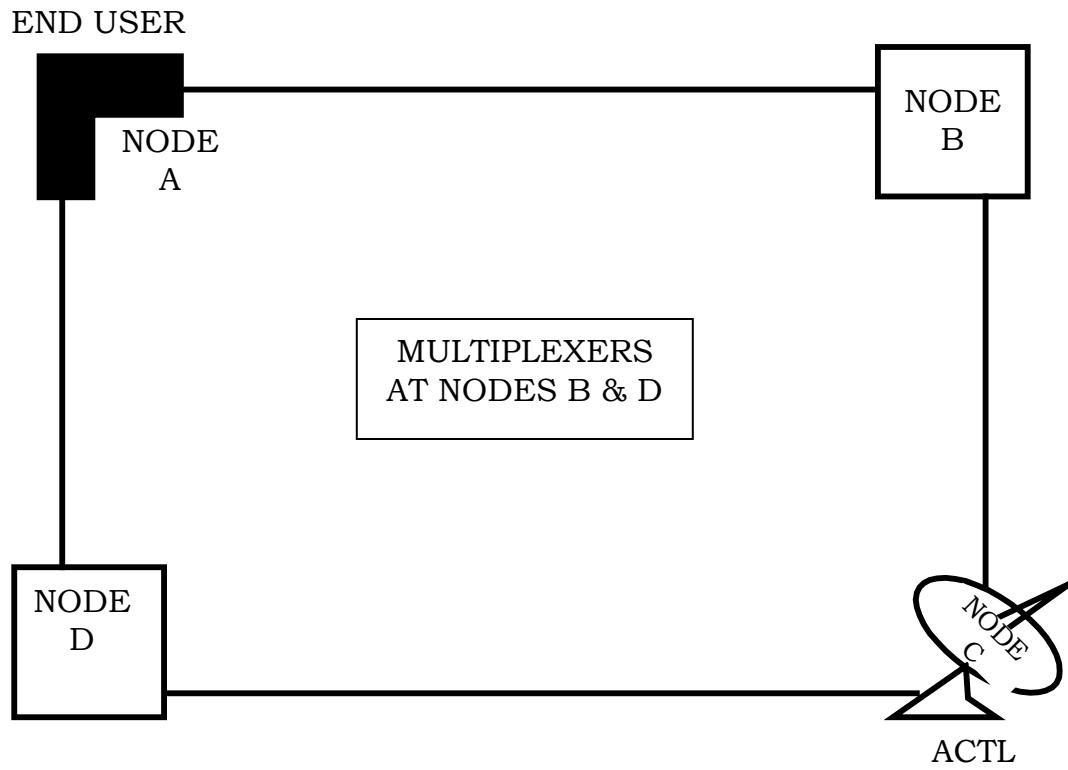
PREF = 01 thru 99 equaling the value specified in the QPR field on the Transport Form



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

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ETHERNET VIRTUAL CONNECTION (EVC)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL	21.1
EVC ORDERING GUIDELINGS	21.2
STAND ALONE ORDERING	21.2.1
COMBINATION ORDERING	21.2.2
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NEW INSTALL MULTIPPOINT TO MULTIPPOINT	21.3.1
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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 – (REQTYP P) – ESTABLISH PIP EVC – POINT TO POINT	21.3.6
NEW INSTALL – POINT TO POINT WITH VLAN STACKING	21.3.7
NEW INSTALL - POINT TO POINT WITH BGP	21.3.8
NEW INSTALL – EVC MEET POINT	21.3.9

<u>DESCRIPTION</u>	<u>SECTION</u>
COMBINATION EVC CONFIGURATIONS _____	21.4
NEW INSTALL (REQTYP S)-PHYSICAL PORT WITH MULTIPOINT TO MULTIPOINT EVC _____	21.4.1
NEW INSTALL (REQTYP E)-PHYSICAL PORT WITH MULTIPOINT TO MULTIPOINT 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
NEW INSTALL (REQTYP P)-PHYSICAL PORT (UNI) AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC ____	21.4.5
NEW INSTALL (REQTYP P)-PHYSICAL PORT (UNI/ENNI) AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC _____	21.4.6
DISCONNECT (REQTYP S)-PHYSICAL PORT WITH MULTIPOINT TO MULTIPOINT EVC _____	21.4.7
DISCONNECT (REQTYP E)-PHYSICAL PORT WITH POINT TO POINT EVC _____	21.4.8

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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 when the first position of the REQTYP field on the ASR Form is “E” or “S”. There is only one physical port connection to which the Ethernet Virtual connection will egress when the first position of the REQTYP field on the ASR Form is “P”.

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” or “P”.

Combination ordering follows the standard ordering process in that a service specific form will accompany the request. The different service configurations associated to a REQTYP “S” or “E” request are as follows:

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

The service configuration associated to REQTYP “P” is as follows:

- Private Internet Protocol Ethernet services

21.1 **GENERAL** (continued)

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”.

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”.

For Private IP Services the standard ordering process will include a Private Internet Protocol (PIP) Form. The ASR will identify that a PIP Ethernet combination is being ordered by the population of the Ethernet Virtual Connection Indicator (EVCI=B) and the Switched Ethernet Indicator (SEI) field shall be blank. The EVC Form will contain the EVC attributes and the PIP Form will contain the UNI/ENNI attributes. The REQTYP associated with ordering of a PIP combination is “P”.

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

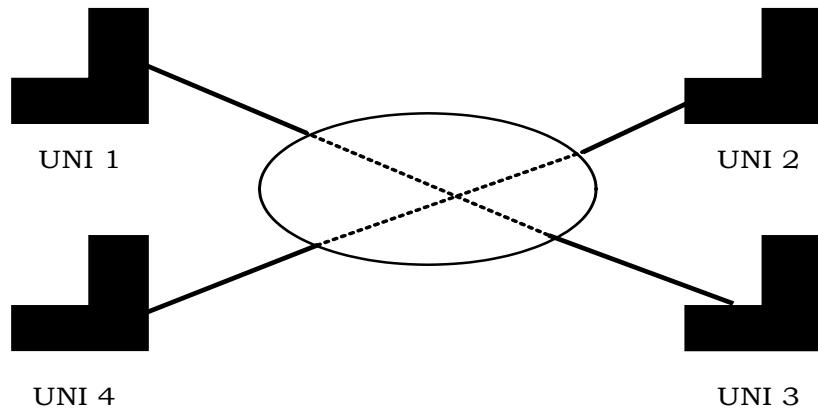
The following items pertain to the ordering of an Ethernet Virtual Connection where the physical connection is included on the same request.

- 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 standalone 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 – MULTIPPOINT TO MULTIPPOINT

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

ASR Form			
REQTYP	= S		
ACT	= N		
ACTL	= Prohibited		
QTY	= 1		
EVCI	= A		
EVC Form		UNI Mapping Section – UNI #1	
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
UREF #1 LOS Mapping			
LREF	LOS ACT	LOS or SPEC	PBIT
1	N	GOLD	Priority Bit value 0 - 7
2	N	SILVER	Priority Bit value 0 - 7
3	N	BRONZE	Priority Bit value 0 - 7
			BDW
			DSCP or TOS

21.3.1 NEW INSTALL – MULTIPONT TO MULTIPONT (CONTINUED)

UNI Mapping Section – UNI #2					
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			
UREF #2 LOS Mapping					
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		
UNI Mapping Section – UNI #3					
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)

UREF #3 LOS Mapping						
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	
UNI Mapping Section – UNI #4						
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				
UREF #4 LOS Mapping						
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

ASR Form						
REQTYP	= S					
ACT	= N					
ACTL	= Prohibited					
QTY	= 1					
EVCI	= A					
EVC Form						
EVC Detail Section		UNI Mapping Section – UNI #1				
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			
		ASN	= Prohibited			
		VPN-ID	= Prohibited			
UREF #1 LOS Mapping						
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)

UNI Mapping Section – UNI #2					
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				
UREF #2 LOS Mapping					
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		
UNI Mapping Section – UNI #3					
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 – MULTIPPOINT TO MULTIPPOINT WITH BGP
(CONTINUED)**

UREF #3 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	SILVER		Bandwidth		
UNI Mapping Section – UNI #4						
UREF	=	4				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID or	=	ECCKT of UNI #4				
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				
UREF #4 LOS Mapping						
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

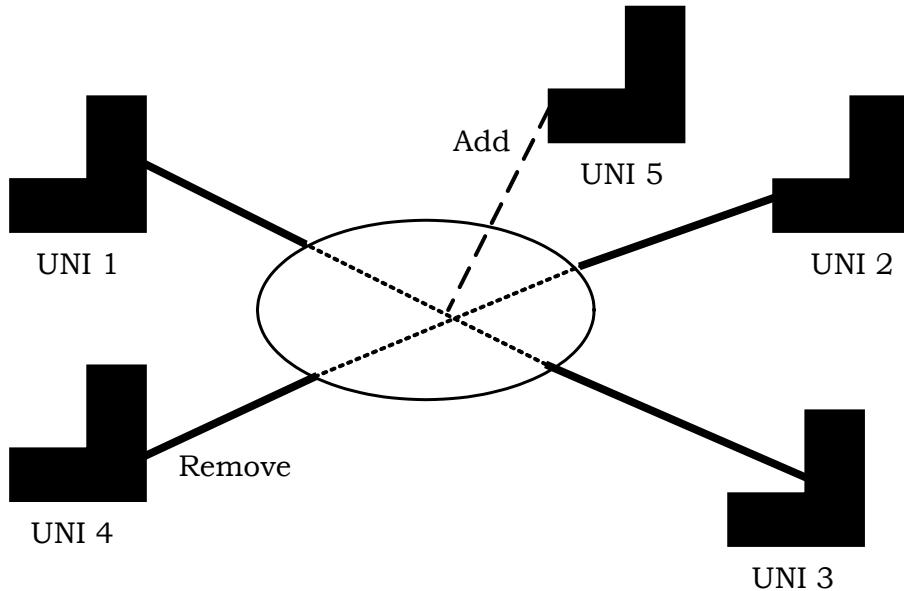
Original -Multipoint to Multipoint EVC PORT BASED VLAN with PBIT and 3 LOS							
Remove Bronze LOS and change bandwidth on Silver LOS							
ASR Form							
REQTYP = S ACT = C ACTL = Prohibited QTY = 1 EVCI = A							
EVC Form							
EVC Detail Section							
EVC NUM = 0001 NC = MP2MP NUT = 04 EVCID = EVCID							
UNI Mapping Section – UNI #1							
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							
UREF #1 LOS Mapping							
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 - MULTIPONT TO MULTIPONT (CONTINUED)

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

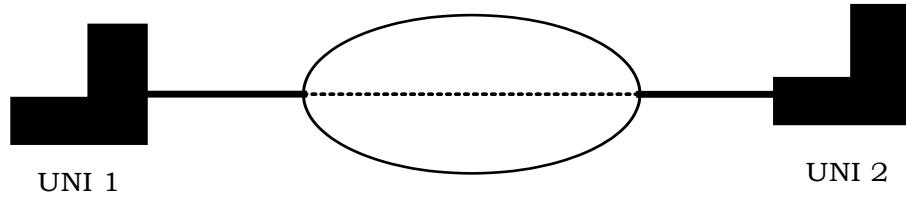


21.3.4 CHANGE REQUEST – MULTIPPOINT TO MULTIPPOINT

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	
ASR Form	
REQTYP	= S
ACT	= C
ACTL	= Prohibited
QTY	= 1
EVCI	= A
EVC Form	
EVC Detail Section	
REF NUM	= 0001
NC	= MP2MP
NUT	= 02
EVCID	= EVCID

21.3.4 CHANGE REQUEST - MULTIPONT TO MULTIPONT (CONTINUED)

UNI Mapping Section – UNI #4					
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				
UREF #1 LOS Mapping					
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS
UNI Mapping Section – UNI #5					
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				
UREF #2 LOS Mapping					
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



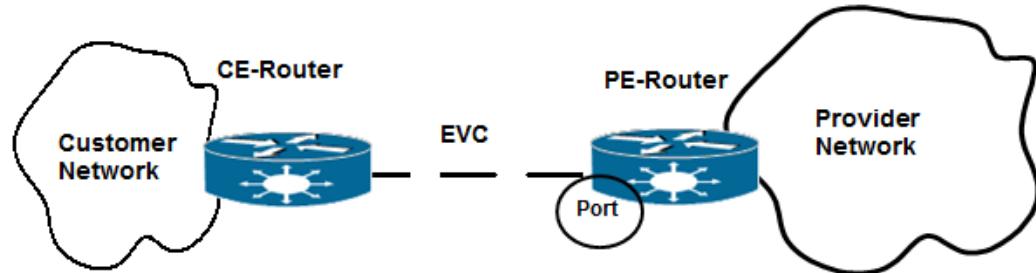
21.3.5 NEW INSTALL – POINT TO POINT

Point to Point EVC PORT BASED with 1 LOS						
ASR Form						
REQTYP = S						
ACT = N						
ACTL = Prohibited						
QTY = 1						
EVCI = A						
EVC Form						
EVC Detail Section	UNI Mapping Section – UNI #1					
EVC NUM = 0001	UREF = 1					
NC = P2P	UACT = N					
NUT = 02	NCI = Port 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					
UREF #1 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N		EVCGLD		Bandwidth	

21.3.5 NEW INSTALL – POINT TO POINT (CONTINUED)

UNI Mapping Section – UNI #2							
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						
UREF #2 LOS Mapping							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N		EVCGLD		Bandwidth		

21.3.6 NEW INSTALL (REQTYP P) – ESTABLISH PIP EVC – POINT TO POINT



Point to Point PIP EVC PORT BASED with 1 LOS					
ASR Form					
REQTYP = P	PVCI = Prohibited				
ACT = N					
ACTL = Prohibited					
QTY = 1					
EVCI = A					
EVC Form					
EVC Detail Section	UNI Mapping Section – UNI #1				
EVC NUM = 0001	UREF = 01				
NC = P2P	UACT = N				
NUT = 01	NCI = Port based				
EVCID = N/A	EI = As needed				
EPS = Optional	RUID = ECCKT of UNI#1 Or				
	RPON = PON of UNI #1 ASR				
	EVCSP = Optional				
	VACT = Optional				
	CE-VLAN = Optional				
	S-VACT = As needed				
	S-VLAN = As needed				
	SVP = As needed				
	ASN = As needed				
	VPN-ACT = Optional				
	VPN-ID = Prohibited				
	VPN-NM = Required				
UREF #1 LOS Mapping					
LRE F	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS
1	N	GOLD		Bandwidth	

21.3.7 NEW INSTALL – POINT TO POINT with VLAN Stacking

Point to Point EVC with VLAN Stacking at UNI Termination 2 and 1 LOS						
ASR Form						
REQTYP = S						
ACT = N						
ACTL = Prohibited						
QTY = 1						
EVCI = A						
EVC Form						
EVC Detail Section	UNI Mapping Section – UNI #1					
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					
UREF #1 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		

21.3.7 NEW INSTALL - POINT TO POINT VLAN with Stacking (CONTINUED)

UNI Mapping Section – UNI #2	
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

UREF #2 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N	EVCGLD		Bandwidth		

21.3.8 NEW INSTALL – POINT TO POINT WITH BGP

Point to Point EVC with BGP at UNI Termination 2							
ASR Form							
REQTYP = S							
EVC Form							
EVC Detail Section	UNI Mapping Section – UNI #1						
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						
UREF #1 LOS Mapping							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N		EVCGLD		Bandwidth		

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

UNI Mapping Section – UNI #2							
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						
UREF #2 LOS Mapping							
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N		EVCGLD		Bandwidth		

21.3.9 NEW INSTALL – EVC MEET POINT

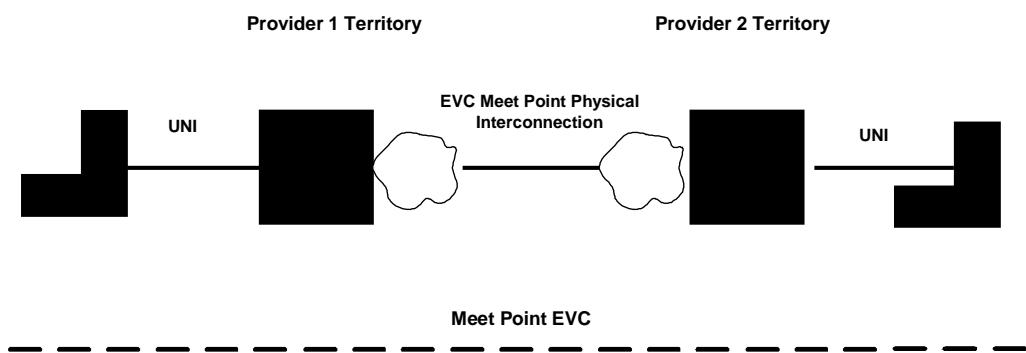
MEF 26.1 defines the basic architecture of Metro Ethernet Services that cross more than one service provider domain. However, it assumes that the EVC customer interacts with only one provider who in turn places “access” orders (ENNI for the physical interconnect and OVCs for the virtual service instance) to all other providers in the path. The EVC customer receives a single circuit ID. Also in the MEF 26.1 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 26.1 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 NC = P2P NUT = 02 EVCID = N/A	UREF = 1 UACT = N NCI = Port based/VLAN/BIT 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

21.3.9 NEW INSTALL – EVC MEET POINT (CONTINUED)

UNI Mapping Section – UNI #2	
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

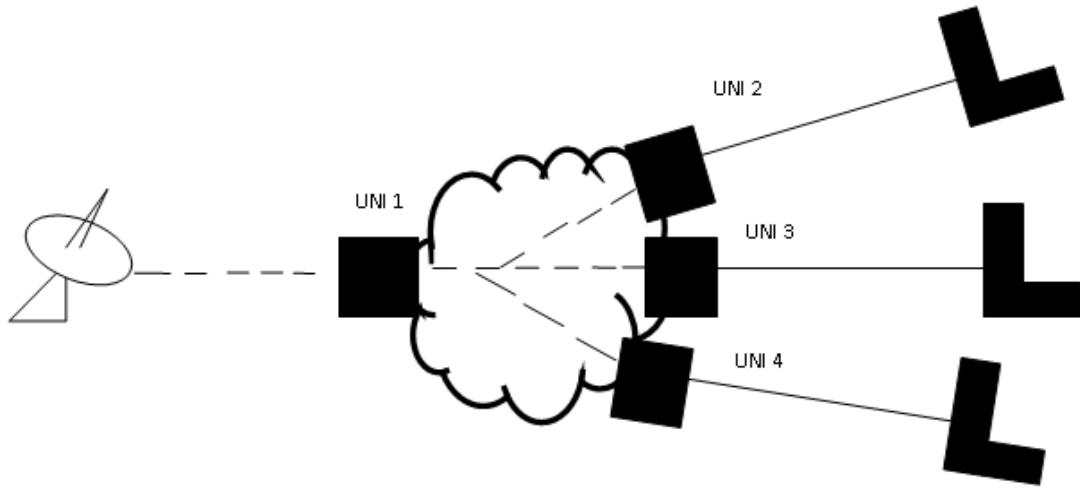
NEW INSTALL- EVC MEET POINT



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 MULTIPONT TO MULTIPONT EVC



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

ASR Form			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	SEI	= Y
ACTL	= Required		
QTY	= 1		
EVCI	= B		
SES Form			
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)**

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

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

UREF #1 LOS Mapping						
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		

UNI Mapping Section – UNI #2	
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)**

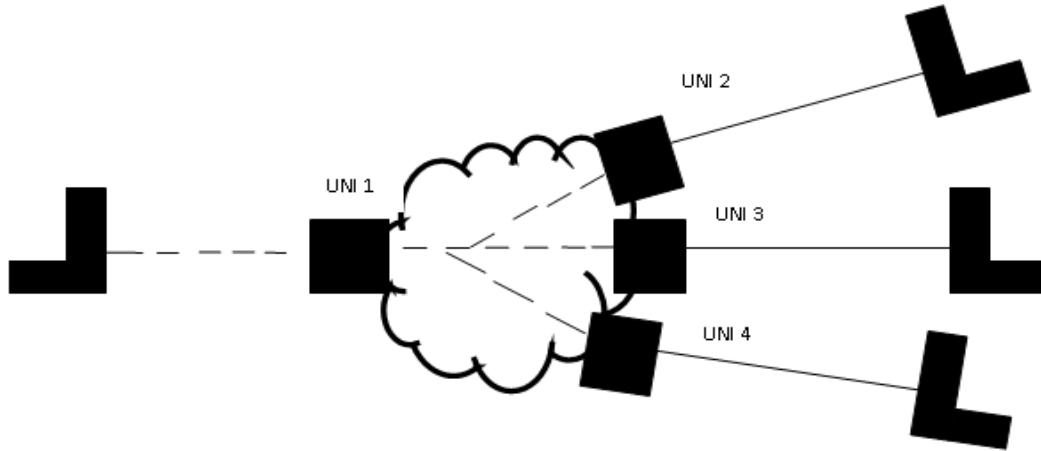
UREF #2 LOS Mapping					
LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1) N	GOLD	Priority Bit value 0 - 7	Bandwidth		
2) N	SILVER	Priority Bit value 0 - 7	Bandwidth		
3) N	BRONZE	Priority Bit value 0 - 7	Bandwidth		

UNI Mapping Section – UNI #3	
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 MULTIPONT TO MULTIPONT EVC (CONTINUED)

UREF #3 LOS Mapping						
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	
UNI Mapping Section – UNI #4						
UREF	=	04				
AUNT	=	Prohibited				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID or RPON	=	ECCKT of UNI #4 PON of UNI #4 ASR				
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	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**

ASR Form			
REQTYP	= E	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	QSA	= 01
ACTL	= Prohibited	SEI	= Y
QTY	= 1		
EVCI	= B		
SES Form			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	
SALI Form			
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)**

UREF #1 LOS Mapping						
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		

UNI Mapping Section – UNI #2	
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)**

UREF #2 LOS Mapping					
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		

UNI Mapping Section – UNI #3	
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)**

UREF #3 LOS Mapping						
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	
UNI Mapping Section – UNI #4						
UREF	=	04				
AUNT	=	Prohibited				
UACT	=	N				
NCI	=	Port based/VLAN/PBIT				
L2CP	=	As needed				
RUID or RPON	=	ECCKT of UNI #4 PON of UNI #4 ASR				
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	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



Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS				
ASR Form				
REQTYP = S		SPEC = Provider Based and specific to the Physical Port		
ACT = N		SEI = Y		
ACTL = Required				
QTY = 1				
EVCI = B				
SES Form				
NC = (UNI/ENNI) Based Service		Ethernet	ESP = Optional	
NCI = (UNI/ENNI) Interface		Ethernet		
SECNCI = (UNI/ENNI) Ethernet Port		Switched		
EVC Form				
EVC Detail Section			UNI Mapping Section – UNI #1	
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 = Prohibited	
			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)**

UREF #1 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or	TOS
1	N		EVCGLD		Bandwidth	
UNI Mapping Section – UNI #2						
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				
UREF #2 LOS Mapping						
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

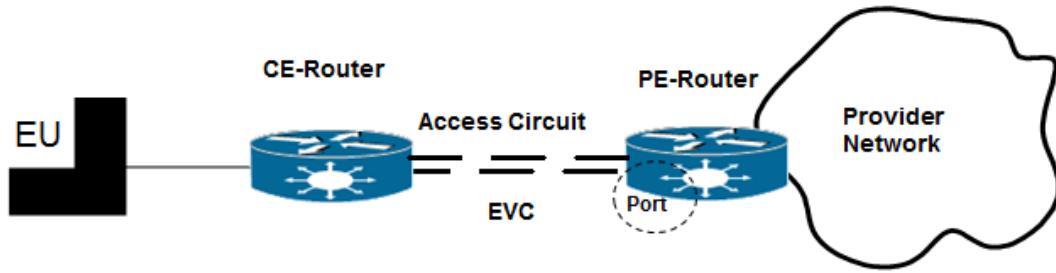


Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS			
ASR Form			
REQTYP	= E	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	QSA	= 01
ACTL	= Prohibited	SEI	= Y
QTY	= 1		
EVCI	= B		
SES Form			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface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

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

EVC Form						
EVC Detail Section			UNI Mapping Section – UNI #1			
EVC NUM = 0001				UREF = 01		
NC = P2P				AUNT = A		
NUT = 02				UACT = N		
EVCID = N/A				NCI = Port based		
EVCCR = Optional				L2CP = As needed		
UREF #1 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N		EVCGLD		Bandwidth	
UNI Mapping Section – UNI #2						
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						
UREF #2 LOS Mapping						
LREF	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS	
1	N		EVCGLD		Bandwidth	

21.4.5 NEW INSTALL (REQTYP P) – PHYSICAL PORT (UNI) AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC

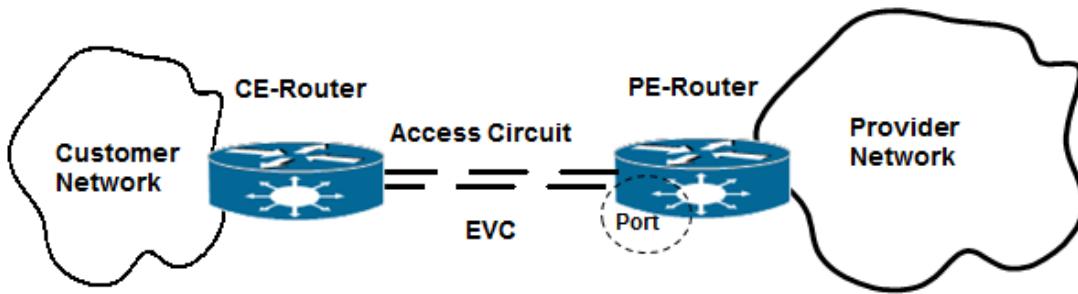


Physical Port (UNI/ENNI) with Point to Point PIP EVC PORT BASED with 1 LOS	
ASR Form	
REQTYP = P	SPEC = Provider Based and specific to the Physical Port
ACT = N	QSA = 01
ACTL = Prohibited	SEI = Blank
QTY = 1	PVCI = Prohibited
EVCI = B	EU = Required
PIP Form	
NC = (UNI/ENNI) Ethernet Based Service	ACCESS-CKT = As needed
NCI = (UNI/ENNI) Ethernet Interface	EASBDW = Optional
SECNCI = (UNI/ENNI) Ethernet Interface	ES = Conditional
IPA1 = Optional	PROFE = Conditional
IPA12 = Conditional	LMP = Prohibited
SECLOC = Optional	ROUTER = Optional
ACCTYP = Optional	
SALI Form	
PI = Y	End User Address Detail

21.4.5 NEW INSTALL (REQTYP P) – PHYSICAL PORT (UNI) AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC (CONTINUED)

EVC Form							
EVC Detail Section		UNI Mapping Section – UNI #1					
EVC NUM	= 0001	UREF	= 01				
NC	= P2P	AUNT	= A				
NUT	= 01	UACT	= N				
EVCID	= N/A	NCI	= Port based				
EVCCR	= Optional	EI	= As needed				
EPS	= Optional	RUID	= Prohibited Or				
		RPON	= Prohibited				
		EVCSP	= Optional				
		VACT	= Optional				
		CE-VLAN	= Optional				
		S-VACT	= As needed				
		S-VLAN	= As needed				
		SVP	= As needed				
		ASN	= As needed				
		VPN-ACT	= Optional				
		VPN-ID	= Prohibited				
		VPN-NM	= Required				
UREF #1 LOS Mapping							
LRE F	LOS ACT	LOS or SPEC	PBIT	BDW	DSCP or TOS		
1	N	GOLD		Bandwidth			

21.4.6 NEW INSTALL (REQTYP P) – PHYSICAL PORT (UNI/ENNI) AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC



Physical Port (UNI/ENNI) with Point to Point PIP EVC PORT BASED with 1 LOS	
ASR Form	
REQTYP = P	SPEC = Provider Based and specific to the Physical Port
ACT = N	SEI = Blank
ACTL = Required	PVCI = Prohibited
QTY = 1	EU = Prohibited
EVCI = B	
PIP Form	
NC = (UNI/ENNI) Ethernet Based Service	ACCESS- = As needed
NCI = (UNI/ENNI) Ethernet Interface	CKT
SECNCI = (UNI/ENNI) Ethernet Port	EASBDW = Optional
IPA1 = Optional	ES = Conditional
IPA12 = Conditional	PROFE = Conditional
SECLOC = Optional	ROUTER = Optional
ACCTYP = Optional	LMP = Prohibited

**21.4.6 NEW INSTALL (REQTYP P) – PHYSICAL PORT (UNI/ENNI)
AND ETHERNET ACCESS WITH POINT TO POINT PIP EVC
(CONTINUED)**

EVC Form			
EVC Detail Section		UNI Mapping Section – UNI #1	
EVC NUM	= 0001	UREF	= 01
NC	= P2P	AUNT	= A
NUT	= 01	UACT	= N
EVCID	= N/A	NCI	= Port based
EVCCR	= Optional	EI	= As needed
EPS	= Optional	RUID	= Prohibited Or
UREF #1 LOS Mapping			
LRE	LOS	LOS or SPEC	PBIT
F	ACT	GOLD	BDW
1	N		DSCP or TOS
			Bandwidth

21.4.7 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

ASR Form			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= D	ECCKT	= Required
ACTL	= Required	SEI	= Y
QTY	= 1		
EVCI	= B		
SES Form			
NC	= (UNI/ENNI) Ethernet Based Service (Optional)	ESP	= Optional
NCI	= (UNI/ENNI) Ethernet Interface (Optional)		
SECNCI	= (UNI/ENNI) Switched Ethernet Port (Optional)		
EVC Form			
EVC Detail Section		UNI Mapping Section – UNI #1	
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
		EVCSP	= Optional
		VACT	= Optional
		CE-VLAN	= Optional
		S-VACT	= As needed
		S-VLAN	= As needed
		SVP	= As needed

**21.4.7 DISCONNECT (REQTYP S) – PHYSICAL PORT (UNI/ENNI)
WITH MULTIPONT TO MULTIPONT EVC (CONTINUED)**

UNI Mapping Section – UNI #2	
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
UNI Mapping Section – UNI #3	
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

**21.4.7 DISCONNECT (REQTYP S) – PHYSICAL PORT (UNI/ENNI)
WITH MULTIPPOINT TO MULTIPPOINT EVC (CONTINUED)**

UNI Mapping Section – UNI #4	
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

**21.4.8 DISCONNECT (REQTYP E) – PHYSICAL PORT (UNI/ENNI)
WITH POINT TO POINT EVC**

Physical Port (UNI/ENNI) with Point to Point EVC PORT BASED with 1 LOS			
ASR Form			
REQTYP	=	E	SPEC = Provider Based and specific to the Physical Port
ACT	=	D	ECCKT = Required
ACTL	=	Prohibited	SEI = Y
QTY	=	1	
EVCI	=	B	
SES Form			
NC	=	(UNI/ENNI) Ethernet Based Service (Optional)	ESP = Optional
NCI	=	(UNI/ENNI) Ethernet Interface (Optional)	
SECNCI	=	(UNI/ENNI) Switched Ethernet Port (Optional)	
EVC Form			
EVC Detail Section		UNI Mapping Section	
EVC NUM	=	0001	
NC	=	P2P	
EVCID	=	Required	
EVCCR	=	Optional	

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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

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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

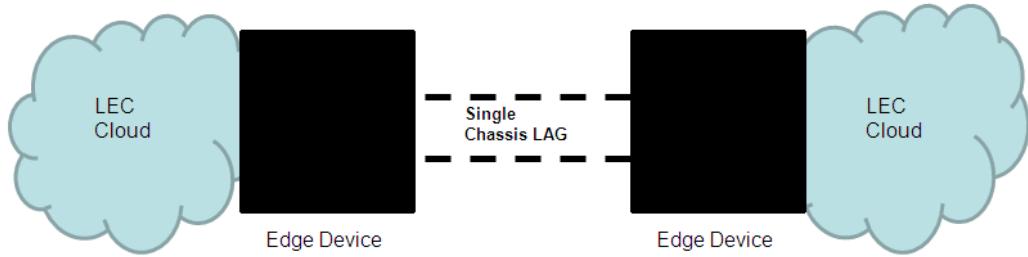
ASR Form					
REQTYP	=	S			
ACT	=	N			
ACTL	=	Required			
QTY	=	1			
EVCI	=	Blank			
SES Form					
NC	=	(UNI/ENNI) Based Service	Ethernet	CCEA	= Optional
NCI	=	(UNI/ENNI) Interface	Ethernet	ESP	= Optional
SECNCI	=	(UNI/ENNI) Ethernet Port	Switched		

22.3.2 NEW INSTALL (REQTYP E) - SWITCHED ETHERNET PORT

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

22.3.3 NEW INSTALL WITH LINK AGGREGATION

Link aggregation allows two or more ENNIs to function as one protected alternate route.



ASR Form			
REQTYP	= S	SPEC	= Provider Based and specific to the Physical Port
ACT	= N	SEI	= Y
LAG	= N		
ACTL	= Required		
QTY	= 2		
EVCI	= Blank		
SES Form			
NC	= (UNI/ENNI) Based Service	Ethernet	ESP = Optional
NCI	= (UNI/ENNI) Interface	Ethernet	LAG-P = Optional
SECNCI	= (UNI/ENNI) Ethernet Port	Switched	
ACI Form			

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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

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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

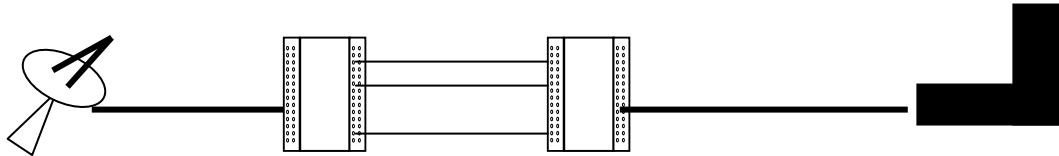
1. The VCAT Form will apply when defining the channels/timeslots to be assigned on the special access facility when the Network Channel (NC) code specifies a virtually concatenated requested service.
2. The VCAT Form can be used to specify the concatenated channels/timeslots associated with the CFA, 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

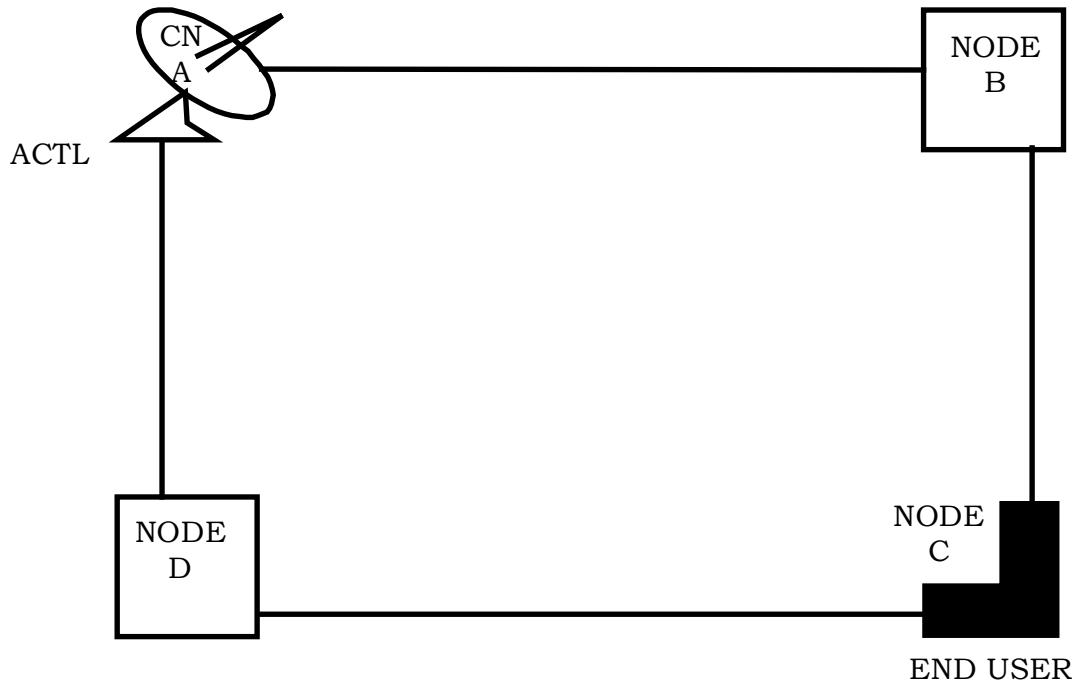
CFA-CTS = populated

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



23.3.2 VIRTUAL CONCATENATION FOUR NODE RING (CONT'D)

ASR FORM	RING FORM
REQTYP = R ACT = N FNI = N or preassigned FNI QTY = 4 (number of segments) ACTL = CLLI Code of POP ("A" location) QSA = 1 AFQ (pos 5) = Y	Segment A to B NC specifies virtual concatenation NCI SECNCI NID SECLOC ("B" location) CFA = Populated Assumed REF NUM 0001
ARI FORM #1 Segment B to C NC specifies virtual concatenation NCI SECNCI REF NUM = 0002 PRILOC = ("B" location) SPOT (PRI) NID SECLOC = ("C" location) CFA = Populated	ARI FORM #2 Segment C to D NC specifies virtual concatenation NCI SECNCI REF NUM = 0003 PRILOC = "E" ("C" location) SPOT (PRI) NID SECLOC = ("D" location) CFA = Populated
ARI FORM #3 Segment D to A: NC specifies virtual concatenation NCI SECNCI REF NUM = 0004 PRILOC = ("D" location) SPOT (PRI) NID SECLOC = ("A" location)	SALI FORM REF NUM = 0003 PI = "Y" AFT EUNAME = End User Name PRILOC = ("C" location)
VCAT FORM #1 REF NUM = 0001 CFA-CTS = Populated	VCAT FORM #2 REF NUM = 0002 CFA-CTS = Populated
VCAT FORM #3 REF NUM = 0003 CFA-CTS = Populated	

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DEDICATED INTERNET SERVICES

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL _____	24.1
DEDICATED INTERNET ACCESS SERVICES _____	24.1.1
DEDICATED INTERNET ETHERNET SERVICES _____	24.1.2
DEDICATED INTERNET CONFIGURATIONS _____	24.2
ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – EU to –PE-ROUTER _____	24.2.1
ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION _____	24.2.2
ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER _____	24.2.3
ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION _____	24.2.4
ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – EU to PE-ROUTER _____	24.2.5
ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION _____	24.2.6
ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER _____	24.2.7
ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION _____	24.2.8

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24. DEDICATED INTERNET SERVICES

24.1 GENERAL

Ordering of Dedicated Internet Services involves either a physical port only configuration or a physical port and access configuration. These Services are identified by REQTYP “D”. The Internet Engineering Task Force (IETF) produces the technical standards that influence the Internet. The American Registry for Internet Numbers (ARIN), in addition to other services, supports the operation of the Internet through the management of Internet number resources throughout its service region for the United States, Canada, several parts of the Caribbean region, and Antarctica. Additional registries support the operation of the Internet in other countries. There are two categories of Dedicated Internet Services, one which is delivered via legacy transport while the other is via Ethernet transport.

24.1.1 DEDICATED INTERNET ACCESS SERVICES

Dedicated Internet Access is a dedicated point-to-point digital data service that is directly connected to the public Internet and is delivered over legacy technologies such as DS1, DS3, OC3, OC12, and OC48.

24.1.2 DEDICATED INTERNET ETHERNET SERVICES

Dedicated Internet Ethernet is a continuous, high bandwidth service that is directly connected to the public Internet. This service is delivered over an Ethernet fiber optic or copper connection (based on bandwidth limitations) and provides numerous bandwidth options such as 1 Mbps, 1 Gbps, 10 Gbps, etc. At a basic level, Dedicated Internet Ethernet provides LAN technology that can be extended to incorporate wide area network (WAN).

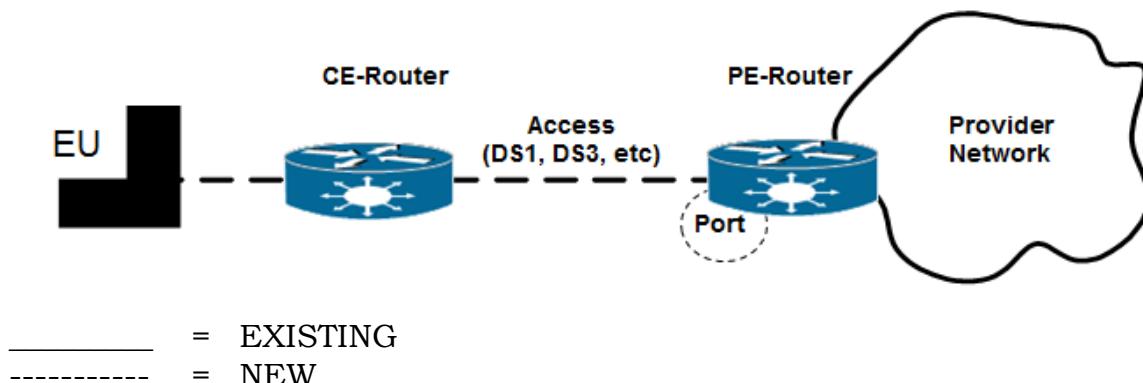
24.2 DEDICATED INTERNET CONFIGURATIONS

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

24.2.1 ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – EU to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM
SALI FORM



ASR Form:

REQTYP = D
ACT = N
SPEC = Provider Based
QSA = 01
ACTL = prohibited
EU = Y

DIS Form:

NC = required
NCI = required
SECNCI = required

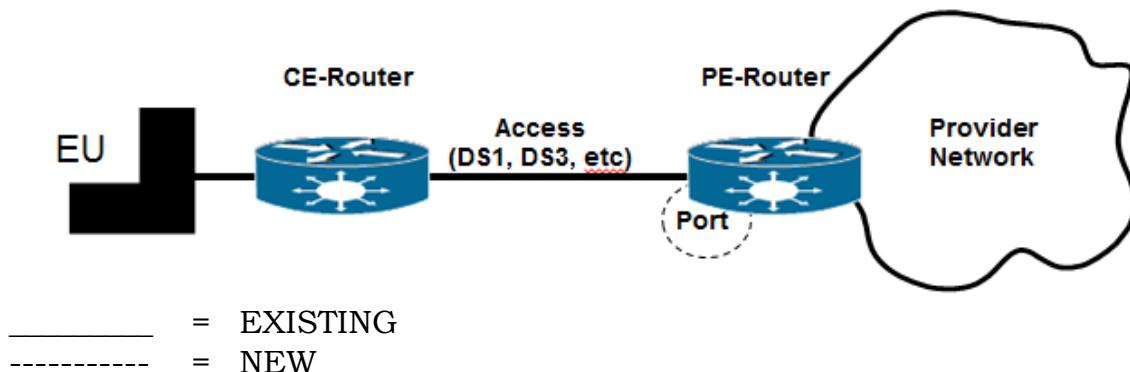
SALI Form:

EU NAME
PI = Y

24.2.2 ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM
SALI FORM



ASR Form:

REQTYP = D
ACT = N
SPEC = Provider Based
QSA = 01
ACTL = prohibited
EU = Y

DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
ACCTYP
ASN
SECLOC
CCEA

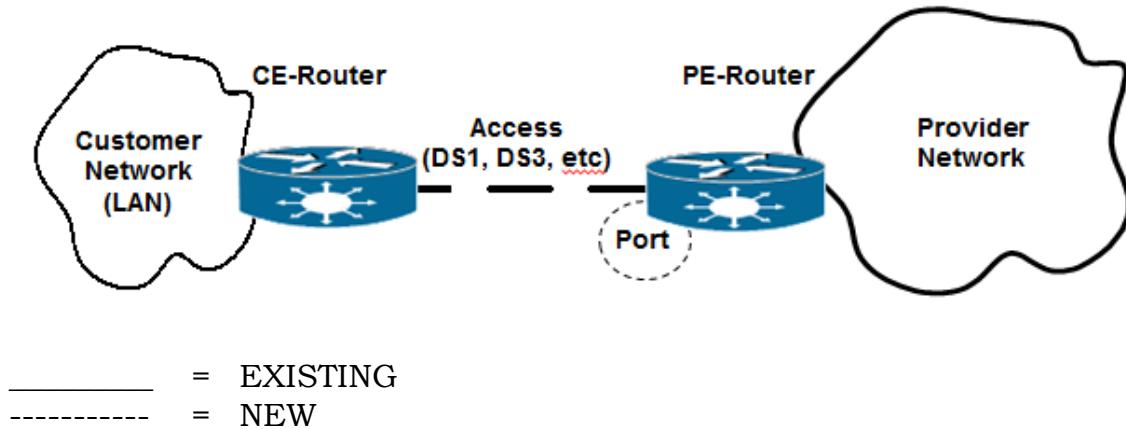
SALI Form:

EU NAME
PI = Y

24.2.3 ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM



ASR Form:

REQTYP = D
ACT = N
SPEC = Provider Based
ACTL = required
QSA = prohibited
EU = prohibited

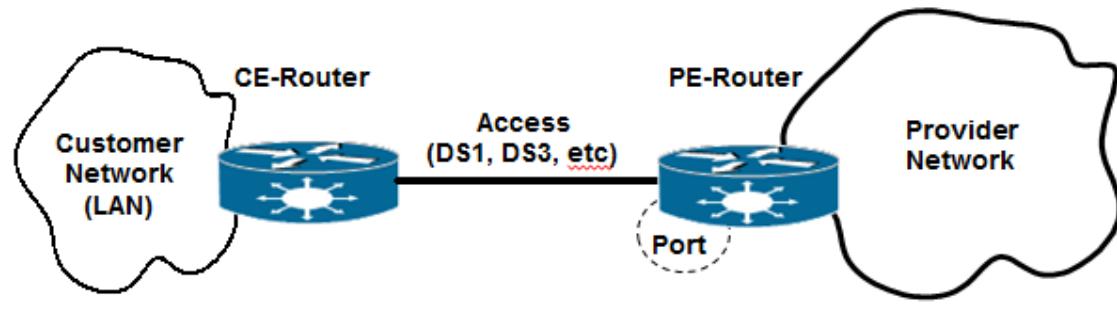
DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPA
Subnet Mask
PROFE
SBDW
ACCTYP
ASN
SECLOC
ROUTER

24.2.4 ESTABLISH NEW DEDICATED INTERNET ACCESS (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = D
ACT = N
SPEC = Provider Based
ACTL = required
QSA = prohibited
EU = prohibited

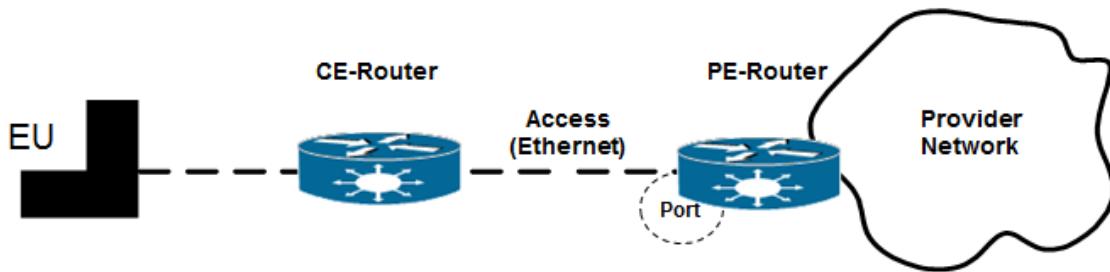
DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
ACCTYP
ASN
SECLOC
CCEA

24.2.5 ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – EU to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM
SALI FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = D
ACT = N
SEI = prohibited
QSA = 01
ACTL = prohibited
EU = Y

DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
EASBDW
ACCTYP
ASN
SECLOC
ROUTER

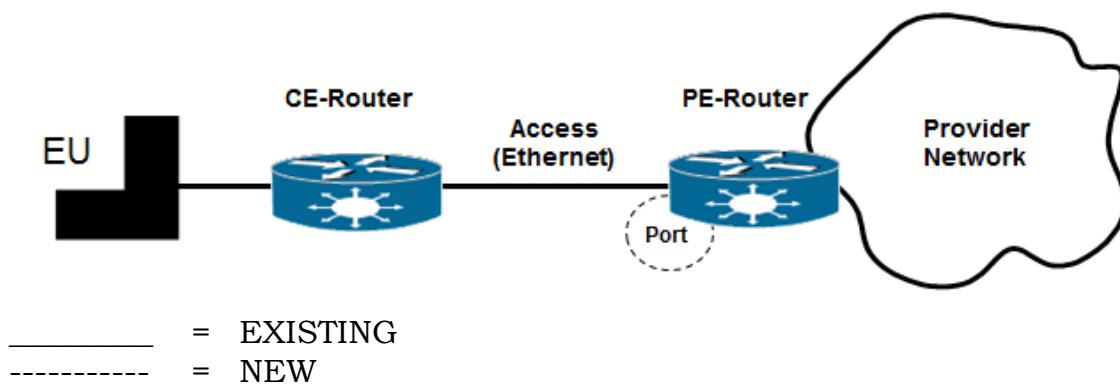
SALI Form:

EU NAME
PI = Y

24.2.6 ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM
SALI FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = D
ACT = N
SEI = prohibited
QSA = 01
ACTL = prohibited
EU = Y

DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
EASBDW
CCEA
ACCTYP
ASN
SECLOC

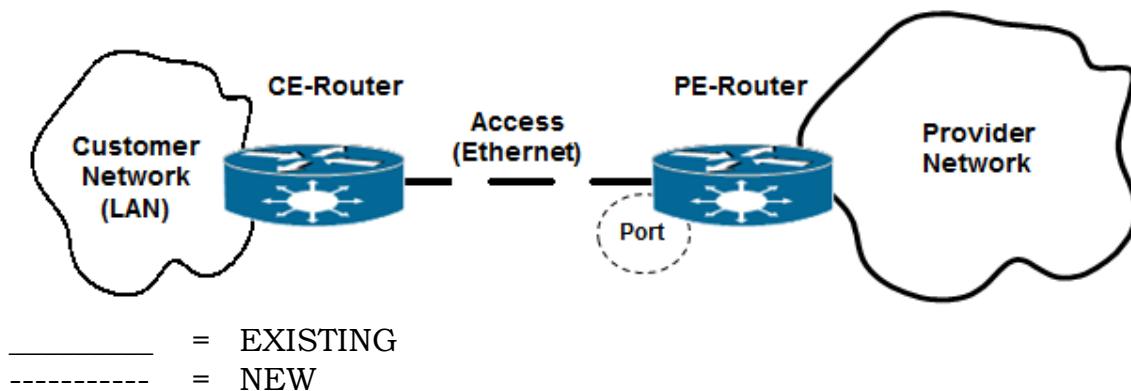
SALI Form:

EU NAME
PI = Y

24.2.7 ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM



ASR Form:

REQTYP = D
ACT = N
SEI = prohibited
ACTL = required
QSA = prohibited
EU = prohibited

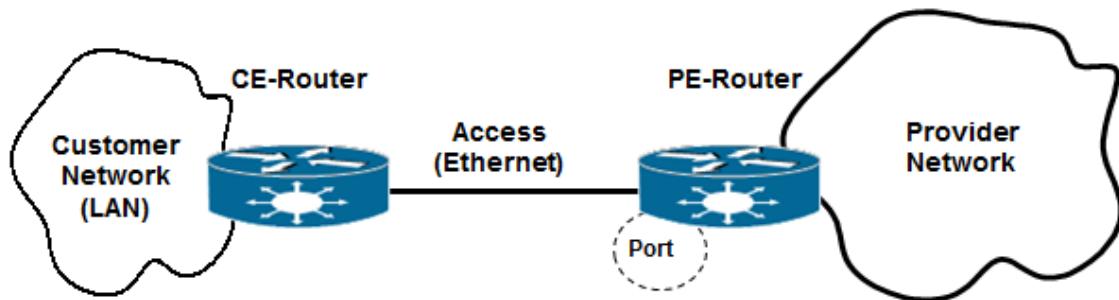
DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
EASBDW
ACCTYP
ASN
SECLOC
ROUTER

24.2.8 ESTABLISH NEW DEDICATED INTERNET ETHERNET (REQTYP D) FOR A PHYSICAL PORT ONLY CONFIGURATION

ORDERING REQUIREMENTS:

ASR FORM
DIS FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = D
ACT = N
SEI = prohibited
ACTL = required
QSA = prohibited
EU = prohibited

DIS Form:

NC = required
NCI = required
SECNCI = required
IP Address
IPAI
Subnet Mask
PROFE
SBDW
EASBDW
CCEA
ACCTYP
ASN
SECLOC

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PRIVATE INTERNET PROTOCOL (PIP) SERVICES

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL _____	25.1
PIP SERVICE ORDERING GUIDELINES _____	25.2
PIP SERVICE CONFIGURATIONS _____	25.3
ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – END USER to PE-ROUTER _____	25.3.1
ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER _____	25.3.2
ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT ONLY CONFIGURATION – CE-ROUTER to PE-ROUTER _____	25.3.3
ESTABLISH NEW PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – END USER to PE-ROUTER _____	25.3.4
ESTABLISH PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER _____	25.3.5
ESTABLISH PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT ONLY CONFIGURATION – CE-ROUTER to PE-ROUTER _____	25.3.6

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25. PRIVATE INTERNET PROTOCOL (PIP) SERVICES

25.1 GENERAL

Private Internet Protocol Services involves the ordering of the UNI or ENNI to which an EVC/OVC/PVC service may be connected.

The UNI or ENNI can be ordered by itself by leaving the EVCI and PVCI fields blank and the PIP Form will contain the UNI/ENNI attributes. Combination ordering of the UNI/ENNI and the EVC/OVC/PVC follows the standard ordering process in that the PIP Form will accompany the request. The ASR will identify that a combination is being ordered by the population of either the Ethernet Virtual Connection Indicator (EVCI=B) for Ethernet requests or the Permanent Virtual Connection Indicator (PVCI=B) for TDM requests.

- The EVC Form will contain the EVC/OVC attributes when the EVCI field is “B” and the PIP Form will contain the UNI/ENNI attributes for Ethernet based services.
- The PVC Form will contain the PVC attributes when the PVCI field is “B” and the PIP Form will contain the UNI/ENNI attributes for TDM based services.

The REQTYP associated with ordering of a UNI/ENNI as a standalone or combination request along with an EVC/OVC/PVC is “P” when associated to PIP services. There is only one physical port connection to which the EVC or PVC will egress.

25.2 PIP SERVICE ORDERING GUIDELINES

One or more UNI(s)/ENNI(s) can be ordered on a single ASR when ordering a PIP service without EVC or PVC form(s) on the same request.

Combination ordering is documented in the EVC and PVC sections of this document. However, the below applies for combination requests when there is an EVC or PVC included on the same request:

- When ordering a combination PORT and EVC, quantity can only be one (1) and pertains to both the PORT and EVC.
- When ordering a combination PORT and PVC, quantity of the PORT can only be one (1) and quantity of the PVC can be one (1) or greater (indicated by the NPVC field on the ASR Form).

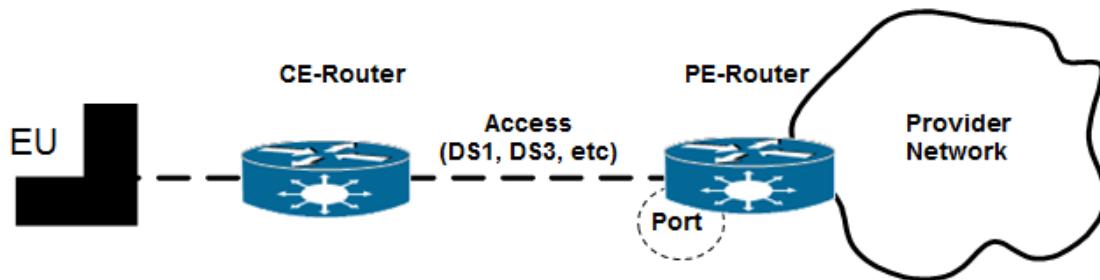
25.3 PIP SERVICE CONFIGURATIONS

The following configurations are examples only. The UNI/ENNI is the port for the PIP service. The service may not be a complete service until the connections are made to the EVCs/OVCs/PVCs. The fields listed are common to the UNI/ENNI service. For specific application, additional data elements may apply.

25.3.1 ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – END USER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
SALI FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = P
ACT = N
SPEC = Provider Based
QSA = 01
PVCI = prohibited
ACTL = prohibited
EU = Y

PIP Form:

NC = required
NCI = required
SECNCI = required
ROUTER
LMP
ACCTYP
IPA
ES
PROFE
SECLOC

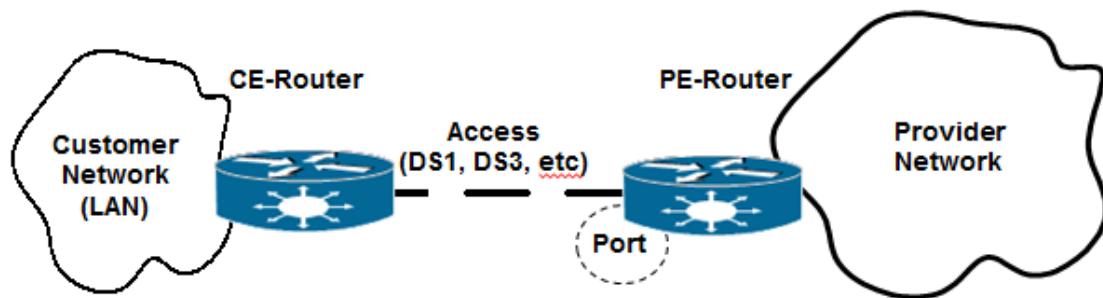
SALI Form:

EU NAME
PI = Y

25.3.2 ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = P
ACT = N
SPEC = Provider Based
ACTL = required
PVCI = prohibited
QSA = prohibited
EU = prohibited

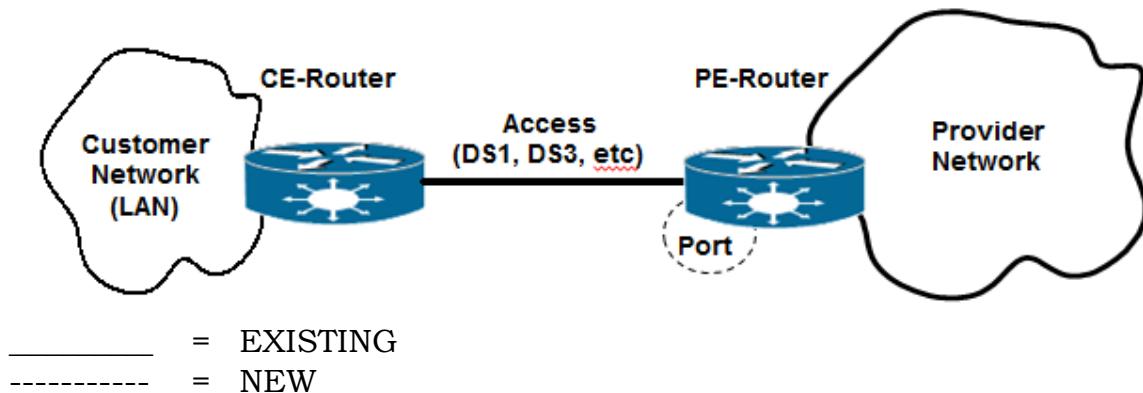
PIP Form:

NC = required
NCI = required
SECNCI = required
ROUTER
LMP
ACCTYP
IPAI
ES
PROFE
SECLOC

25.3.3 ESTABLISH NEW PIP TDM SERVICE (REQTYP P) FOR A PHYSICAL PORT ONLY CONFIGURATION – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM



ASR Form:

REQTYP = P
ACT = N
SPEC = Provider Based
ACTL = required
PVCI = prohibited
QSA = prohibited
EU = prohibited

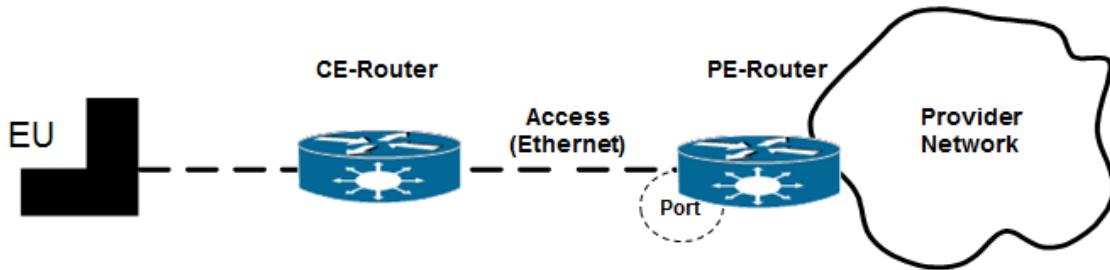
PIP Form:

NC = required
NCI = required
SECNCI = required
CCEA
LMP
ACCTYP
IPAI
ES
PROFE
SECLOC

25.3.4 ESTABLISH NEW PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – END USER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
SALI FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = P
ACT = N
SEI = prohibited
EVCI = prohibited
QSA = 01
SPEC = Provider Based
ACTL = prohibited
EU = Y

PIP Form:

NC = required
NCI = required
SECNCI = required
ROUTER
EASBDW
ACCTYP
IPA
ES
PROFE
SECLOC

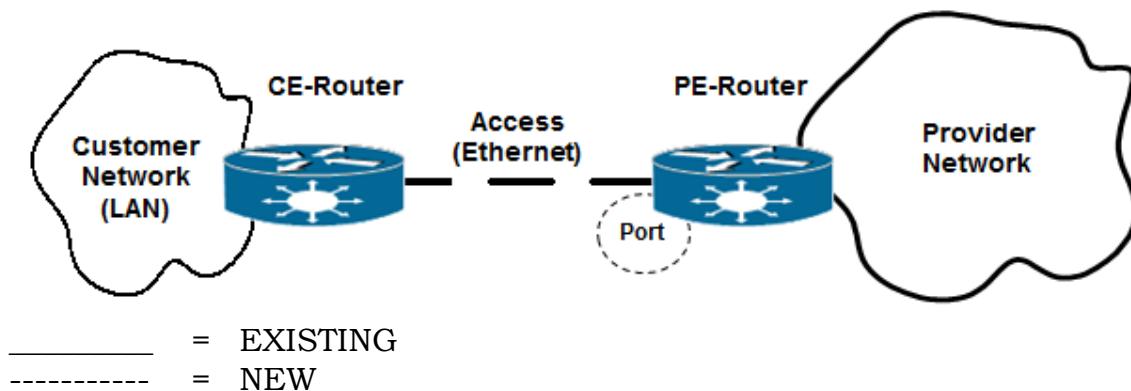
SALI Form:

EU NAME
PI = Y

25.3.5 ESTABLISH NEW PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT and ACCESS CONFIGURATION – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM



ASR Form:

REQTYP = P
ACT = N
SEI = prohibited
EVCI = prohibited
ACTL = required
SPEC = Provider Based
QSA = prohibited
EU = prohibited

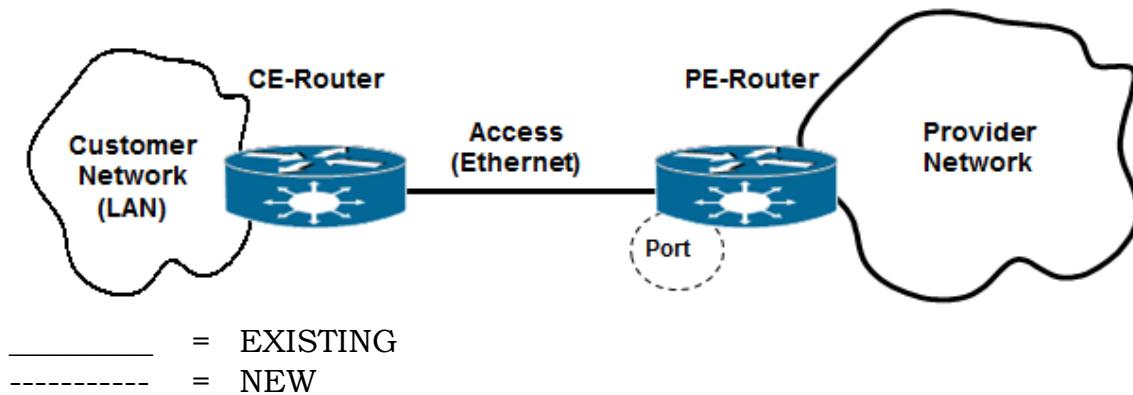
PIP Form:

NC = required
NCI = required
SECNCI = required
ROUTER
EASBDW
ACCTYP
IPAI
ES
PROFE
SECLOC

25.3.6 ESTABLISH NEW PIP ETHERNET SERVICE (REQTYP P) FOR A PHYSICAL PORT ONLY CONFIGURATION - CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM



ASR Form:

REQTYP = P
ACT = N
SEI = prohibited
EVCI = prohibited
ACTL= required
SPEC = Provider Based
QSA = prohibited
EU = prohibited

PIP Form:

NC = required
NCI = required
SECNCI = required
ROUTER
EASBDW
ACCESS-CKT
ACCTYP
IPAI
ES
PROFE
SECLOC

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PERMANENT VIRTUAL CONNECTION SERVICE (PVC)

<u>DESCRIPTION</u>	<u>SECTION</u>
GENERAL _____	26.1
PVC SERVICE CONFIGURATIONS _____	26.2
COMBINATION PORT AND PVC _____	26.2.1
ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH A PVC WITH VRF – EU to PE-ROUTER _____	26.2.1.1
ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH PVC'S WITH MULTI-VRF – EU to PE-ROUTER _____	26.2.1.2
ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH A PVC WITH VRF – CE-ROUTER to PE-ROUTER _____	26.2.1.3
ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH A PVC WITH MULTI-VRF – CE-ROUTER to PE-ROUTER _____	26.2.1.4
STAND-ALONE PVC _____	26.2.2
ESTABLISH NEW PVC TO AN EXISTING PIP PORT – EU to PE-ROUTER _____	26.2.2.1
CHANGE BANDWIDTH ON PVC EU to PE-ROUTER _____	26.2.2.2
ADD ADDITIONAL PVC WITH MULTI-VRF TO AN EXISTING PIP PORT – CE-ROUTER to PE-ROUTER _____	26.2.2.3

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26. PERMANENT VIRTUAL CONNECTION SERVICE (PVC)

26.1 GENERAL PVC Service involves the ordering of the virtual path through the network. There is only one physical port connection to which the PVC will egress when the first position of the REQTYP field on the ASR Form is "P".

Stand alone ordering of a PVC differs from the standard ordering process in that the PVC Form is treated as the service specific form. Therefore, an ASR Form and a PVC Form(s) are all that are required when ordering a PVC. The ASR Form will identify that a PVC is being ordered by the population of the Permanent Virtual Connection Indicator (PVCI=A) and the Number of Permanent Virtual Connections (NPVC) field on the ASR Form will identify the quantity of PVC's being ordered. The PVC Form(s) will contain all the PVC attributes. No other forms should accompany this request. The REQTYP associated with ordering of a stand alone PVC is "P".

Combination ordering of a PORT and PVC follows the standard ordering process in that a Private Internet Protocol (PIP) form will be the service specific form and will be accompanied by a PVC Form(s). The ASR will identify that a PIP TDM combination is being ordered by the population of the Permanent Virtual Connection Indicator (PVCI=B) and the Number of Permanent Virtual Connections (NPVC) field on the ASR Form will identify the quantity of PVC's being ordered. The PVC Form will contain the PVC attributes and the PIP Form will contain the UNI/ENNI attributes. The REQTYP associated with ordering of a PIP combination is "P".

On a combination request, if the customer wishes to cancel all PVC Connections associated to the request, the PVCACT of "K" will be used against all PVC NUMs. On the subsequent version, the PVCI field must be changed from "B" to blank and the NPVC must be blank.

26.2 PVC SERVICE CONFIGURATIONS

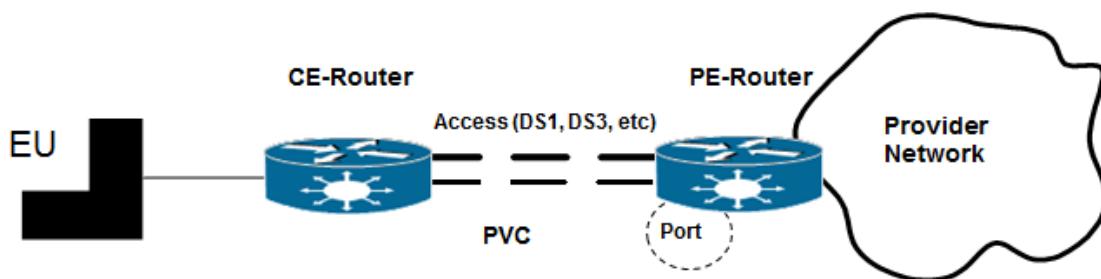
The following configurations are examples only. The fields listed are common to the PVC service. For specific application, additional data elements may apply.

26.2.1 COMBINATION PORT AND PVC

26.2.1.1 ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH A PVC WITH VRF- EU to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
SALI FORM
PVC FORM



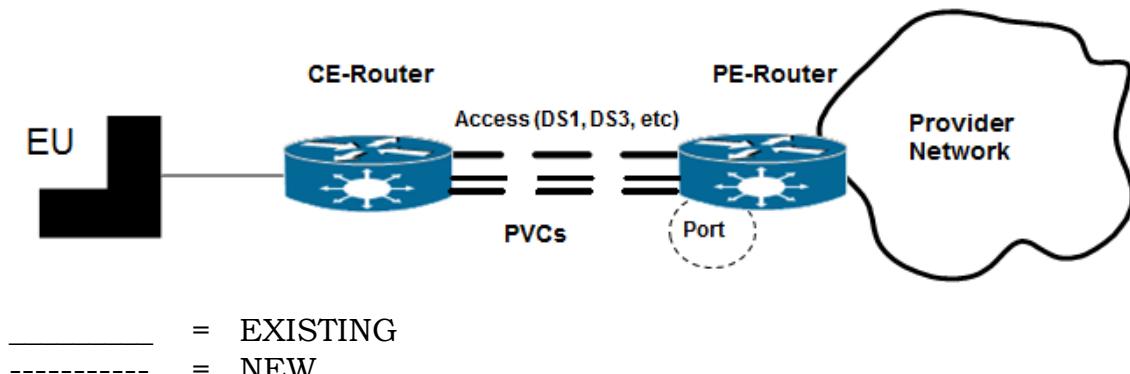
_____ = EXISTING
----- = NEW

ASR Form:	PIP Form:	SALI Form	PVC Form #1
REQTYP = P	NC = required	EU NAME	NC
ACT = N	NCI = required	PI = Y	NCI
QSA = 01	SECNCI= required		PVC NUM
PVCI = B	ROUTER		DLCI
NPVC = 01	LMP		ASN
ACTL = prohibited	= ACCTYP		VPN-NM
SPEC = Provider Based	IPAI		EPS
EU = Y	ES PROFE SECLOC		LREF LOSACT LOS BDW

26.2.1.2 ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH PVC'S WITH MULTI-VRF -EU TO PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
SALI FORM
PVC FORM



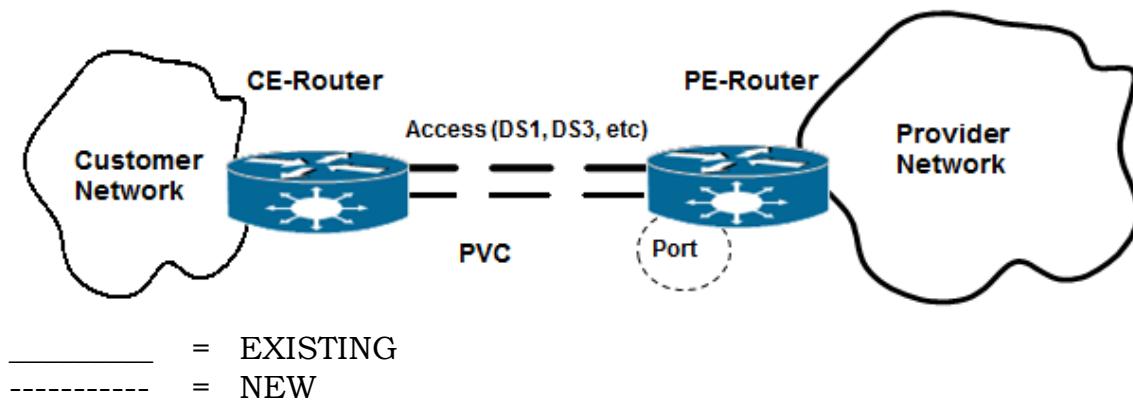
Data elements:

ASR Form:	PIP Form:	SALI Form:	PVC #1	PVC #2
REQTYP = P	NC = required	EU NAME		NC
ACT = N	NCI = required	PI = Y		NCI
QSA = 01	SECNCI= required		PVC NUM	PVC NUM
PVCI = B	ROUTER		DLCI	DLCI
NPVC = 02	LMP		ASN	ASN
ACTL= prohibited	ACCTYP		VPN-NM	VPN-NM
SPEC= Provider Based	IPAI		EPS	EPS
EU = Y	ES		LREF	LREF
	PROFE		LOSACT	LOSACT
	SECLOC		LOS	LOS
			BDW	BDW

26.2.1.3 ESTABLISH NEW COMBINATION PIP PORT and ACCESS WITH A PVC WITH VRF – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
PVC FORM



ASR Form:

REQTYP = P
ACT = N
QSA = prohibited
PVCI = B
NPVC = 01
ACTL = required
SPEC = Provider Based
EU = prohibited

PIP Form:

NC = required
NCI = required
SECNCI= required
ROUTER
LMP
ACCTYP
IPA
ES
PROFE
SECLOC

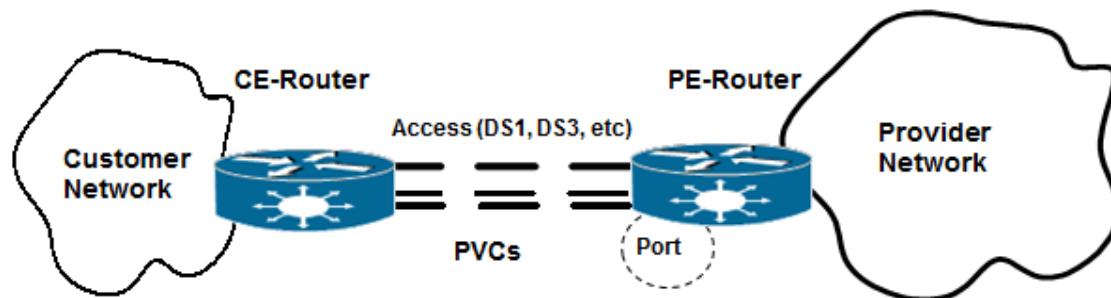
PVC #1

NC
NCI
PVC NUM
DLCI
ASN
VPN-NM
EPS
LREF
LOSACT = N
LOS
BDW

26.2.1.4 ESTABLISH NEW PIP PORT and ACCESS WITH A PVC WITH MULTI-VRF – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PIP FORM
PVC FORM



_____ = EXISTING
----- = NEW

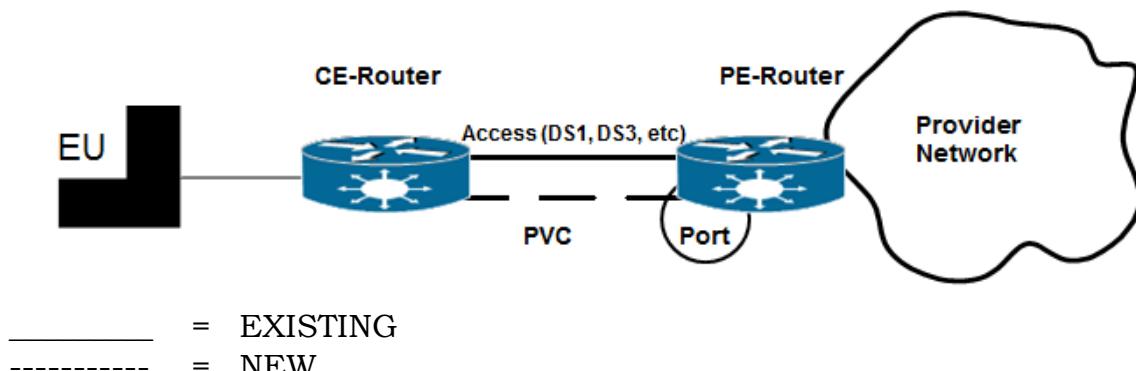
ASR Form:	PIP Form:	PVC #1	PVC #2
REQTYP = P	NC = required		NC
ACT = N	NCI = required		NCI
QSA prohibited	= SECNCI= required	PVC NUM	PVC NUM
PVCI = B	ROUTER	DLCI	DLCI
NPVC = 02	LMP	ASN	ASN
ACTL = required	ACCTYP	VPN-NM	VPN-NM
SPEC = Provider Based	IPAI	EPS	EPS
EU = prohibited	ES PROFE SECLOC	LREF LOSACT = N LOS BDW	LREF LOSACT = N LOS BDW

26.2.2 STAND-ALONE PVC

26.2.2.1 ESTABLISH NEW PVC TO AN EXISTING PIP PORT - EU TO PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PVC FORM



ASR Form:

REQTYP = P
ACT= N
PVCI = A
NPVC = 01
ACTL = prohibited
QSA = prohibited

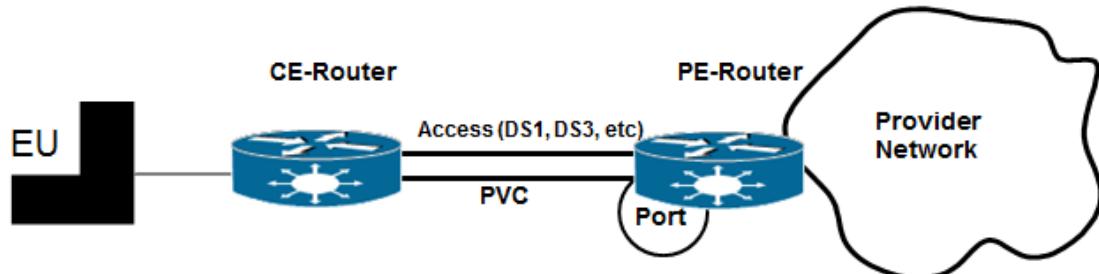
PVC #1

NC
NCI
RPID
PVC NUM
DLCI
ASN
VPN-NM
EPS
LREF
LOSACT = N
LOS
BDW

26.2.2.2 CHANGE BANDWIDTH ON PVC – EU TO PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PVC FORM



_____ = EXISTING
----- = NEW

ASR Form:

REQTYP = P

ACT = C

PVCI = A

NPVC = 01

ACTL = prohibited

QSA = prohibited

PVC #1

NC

NCI

RPID

PVC NUM

DLCI

ASN

VPN-NM

EPS

LREF

LOSACT = C

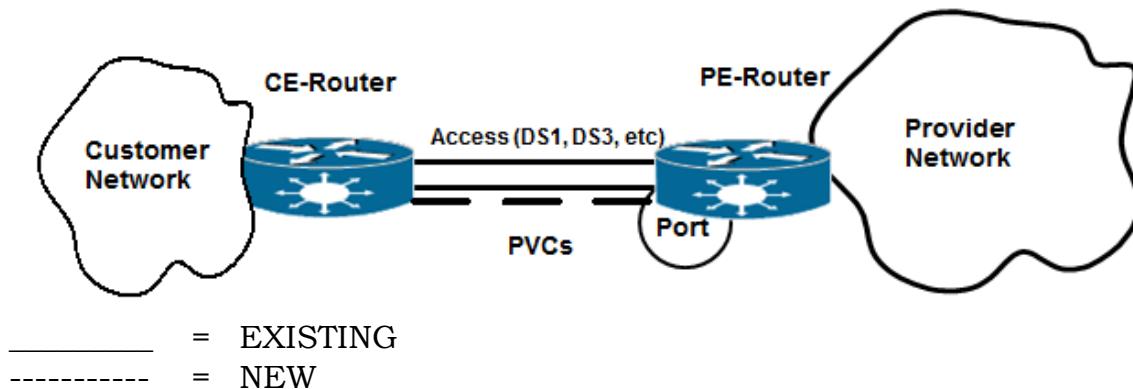
LOS

BDW = New Value

26.2.2.3 ADD ADDITIONAL PVC WITH MULTI-VRF TO AN EXISTING PIP PORT – CE-ROUTER to PE-ROUTER

ORDERING REQUIREMENTS:

ASR FORM
PVC FORM



ASR Form:

REQTYP = P

ACT = N

PVCI = A

NPVC = 01

ACTL = prohibited

QSA = prohibited

PVC #1

NC

NCI

RPID

PVC NUM

DLCI

ASN

VPN-NM

EPS

LREF

LOSACT = N

LOS

BDW

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ATIS STANDARD

ATIS-0404001-0051

**Access Service Request (ASR)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404001-0051
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)

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ACCESS SERVICE REQUEST FORM
PREPARATION GUIDE

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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.

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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.

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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:

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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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:

1st Character

A = Unstaffed Service Delivery Location

NOTE 1: Defines the service delivery location as “Unstaffed” requiring coordination with LCON prior to technician dispatch.

2nd and 3rd 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: 16 alpha/numeric characters

EXAMPLES: |B|S|0|6|1|1|9|6|-|0|0|2| | | | |

|B|S|0|6|1|1|9|6|-|0|0|2|-|1|2|3|

|B|S|0|6|1|1|9|6|A|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: 3|0|

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:

1st Character

- A = Switched Access - Feature Group A
- D = Dedicated Internet Service (DIS)
- 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)
- P = Private Internet Protocol (PIP) Service, PIP Stand Alone Ethernet Virtual Connection (EVC), PIP Stand Alone Permanent Virtual Connection (PVC)
- 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:

2nd Character (4-Step Process)

Service Request:

**Entered
by:**

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	Customer
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: MA

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") and Combination Permanent Virtual Connection (PVCI = "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”), Ethernet Virtual Connection (EVCI = “A”, “B”), and Permanent Virtual Connection (PVCI = “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”) Ethernet Virtual Connection (EVCI = “A”, “B”), and Permanent Virtual Connection (PVCI = “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 standalone 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 ¹	N	N
Disconnect UNI/ENNI Termination	C ¹	D	
Change EVC/OVC (includes changes to a UNI/ENNI termination)	C ¹	N, C, D	N, C, D
Record Activity	R	R	
Cancel UNI/ENNI Termination	N, C ¹ , D, R	K	
Cancel a Level of Service (LOS)	N, C ¹		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.

¹ 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.

PERMANENT VIRTUAL CONNECTION ORDERING: Permanent Virtual Connection activity specific rules are covered in the following matrix describing the use of ACT as it relates to the LOSACT fields on the PVC Form.

For a stand alone request the ASR ACT represents the activity of the PVC.

For a combination request the ASR ACT represents the activity of both the physical port and the PVC.

ACT (ASR)	LOSACT
N	N, K
C ²	N, C, D, K
D	
R	

NOTE 1: If the customer wishes to cancel a request for a PVC Connection, the PVCACT of "K" will be used.

NOTE 2: On a combination request, if the customer wishes to cancel all PVC Connections associated to the request, the PVCACT of "K" will be used against all PVC NUMs.

NOTE 3: If the customer wishes to cancel a request for a LOS, the LOSACT of "K" will be used.

USAGE: This field is required.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

² Activity of C is not applicable for a combination request.

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: **[C]**

24. EU – End User Indicator

Identifies the primary location as an end user.

VALID ENTRIES:

Y = End User

USAGE: This field is conditional.

NOTE 1: Required when the first position of the REQTYP field is “D” or “P” and the ACTL field is not populated, otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

25. 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.

NOTE 2: QSA cannot be greater than “01” when the REQTYP field is “D” or “P”.

USAGE: This field is conditional.

NOTE 1: Prohibited when the EVCI field is “A” or the PVCI field is “A”.

NOTE 2: Prohibited when the first position of the REQTYP field is “D” or “P” and the ACTL field is populated.

NOTE 3: Prohibited when the first position of the REQTYP field is “M”.

NOTE 4: Prohibited when the first position of the REQTYP field is “S” and the SEI field is populated.

NOTE 5: Prohibited when the NAG field is populated.

NOTE 6: 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 7: 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 8: 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.

25. QSA - Quantity Service Address Location Information (continued)

NOTE 9: Required when the first position of the REQTYP is “E”, the ACT field is “M” or “N” and the SEI field is populated.

NOTE 10: Required when the first position of the REQTYP field is “P”, PVCI field is “B” or blank, the EU field is “Y” and the ACT field is “N”, “M” or “T”.

NOTE 11: Required when the first position of the REQTYP field is “D”, the EU field is “Y” and the ACT field is “N”, “M” or “T”.

NOTE 12: Otherwise optional.

DATA CHARACTERISTICS: 2 numeric characters

EXAMPLE: 0|6

26. **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]

27. 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
---	---	---

28. EVCI – Ethernet Virtual Connection Indicator

Identifies that an 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, Private IP 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” or “P”.

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, Private IP 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
- Changing from a combination EVC/OVC to a combination PVC
- Changing from a stand alone EVC/OVC to a stand alone PVC

28. 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”.

NOTE 2: Optional when the first position of the REQTYP field is “P” and the PVCI field is not populated.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: A

29. 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:

30. PVCI – Permanent Virtual Connection Indicator

Identifies that a PVC Form is associated with this service request.

NOTE 1: At least one (1) PVC NUM on the PVC Form must be populated.

VALID ENTRIES:

A = Stand Alone PVC
B = Combination PVC

NOTE 1: An entry of “A” indicates that the request is a Stand Alone PVC. The PIP Form is prohibited.

NOTE 2: An Entry of “B” indicates that the request is a Combination PVC which includes one UNI or ENNI physical port and the PVC(s). A PVC Form must be accompanied by a PIP Form.

NOTE 3: 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 PVC to a combination
- Changing from a combination to a stand alone PVC
- Changing from a Port to a stand alone PVC
- Changing from a Port to a combination
- Changing from a stand alone PVC to a Port
- Changing from a combination PVC to a combination EVC/OVC
- Changing from a stand alone PVC to a stand alone EVC/OVC

NOTE 4: 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 Port

30. PVCI – Permanent Virtual Connection Indicator (continued)

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field is “P” and the EVCI field is not populated, otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

31. NPVC – Number of Permanent Virtual Connections (PVC)

Identifies the number of PVCs requested.

NOTE 1: The entry in this field must match the number of PVC NUMs submitted.

VALID ENTRIES:

01 to 20

USAGE: This field is conditional.

NOTE 1: Required when the REQTYP field is “P” and the PVCI field is populated, otherwise prohibited.

DATA CHARACTERISTICS: 2 numeric characters

EXAMPLE:

32. 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 or PVCI 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 or PVCI field is “A”.

32. 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.

33. 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.

33. 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.

33. 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

34. 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".

34. 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 3 is not applicable when the first position of the REQTYP field is “D” or “P”.

NOTE 6: 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				
---	--	--	--	--

35. 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

36. TQ - Translation Questionnaire Request

Indicates that a translation questionnaire is being submitted.

VALID ENTRIES:

1st 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

2nd 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.

36. 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
---	---

37. 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:

38. 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:

39. 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

40. 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

41. 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

42. 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|

43. 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	.							

44. 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:

45. 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|

46. 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| | | | | |

47. 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.

47. 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|

48. 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:

49. 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 | | | |

$|0|1|L|Z|C|H| - |0|1| \quad | \quad | \quad | \quad | \quad |$

50. 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:

1st Position

- A = Shared network
- B = Lease Back
- C = Split Billing - All Elements
- D = Split Billing

2nd through 4th 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.

50. 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	
---	---	---	--

51. 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.

51. 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												
---	--	--	--	--	--	--	--	--	--	--	--	--

52. 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]

53. 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| | | | | | |

54. 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

EXAMPLE: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | B | | | | | | | | | |

55. 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 ATIS-0300253, Identification of Location Entities for Information Exchange 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]

56. **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.

56. 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:

57. 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 or PVCI field is “A”, otherwise optional.

DATA CHARACTERISTICS: 53 alpha/numeric characters

EXAMPLE: $|L|0|0|0|2| - |0|0|2|4|$ | | | | | | | | | |

58. 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".

58. UNIT - Unit Identification (continued)

NOTE 4: Otherwise optional.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

59. 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.

59. 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
---	---	---

60. 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|

61. 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|

62. LTP - Local Transport

Identifies the switched access local transport elements affected by this request.

VALID ENTRIES:

1st 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

62. LTP - Local Transport (continued)

VALID ENTRIES Continued:

2nd 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

3rd Position (Level of EF)

- 0 = Voice grade capacity for the EF
- 1 = DS1 capacity for the EF
- 3 = DS3 capacity for the EF

4th 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.

62. 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			
---	--	--	--

63. 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.

63. 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.

63. 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 or PVCI 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

64. 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.)

64. 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).

NOTE 10: QTY will be associated to the Port and must be equal to one (1) when PVCI field is "B. (NPVC field is associated to the number of PVCs and is not limited to one (1).)

64. QTY - Quantity (continued)

USAGE: This field is conditional.

NOTE 1: Prohibited when the second position of the TQ field is “N” or “X”.

NOTE 2: Prohibited when the EOD USE field on the EOD Form is “A”.

NOTE 3: Prohibited when the PVCI field is “A”.

NOTE 4: Required when the ACT field is “N”, “C”, “D”, “M” or “T”, the second position of the TQ field is not “N” or “X”, the EOD USE field on the EOD Form is not “A”, and the PVCI field is not “A”.

NOTE 5: Otherwise optional.

DATA CHARACTERISTICS: 7 numeric characters

EXAMPLES:

						6
--	--	--	--	--	--	---

			0	0	0	6
--	--	--	---	---	---	---

0	0	0	0	0	0	6
---	---	---	---	---	---	---

65. 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.

65. 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|

66. 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| | | |

67. 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]

68. 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|

69. 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|_|

70. 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|

71. 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

72. **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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

72. 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 9th, 10th and 11th 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., 9th, 10th 11th 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 11th characters) for each customer. This would include access service requested between the terminals of two different customers.

72. 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 or PVCI 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: Prohibited when the first position of the REQTYP field is “P”, PVCI field is “B” or blank and the EU field is “Y”.

NOTE 6: Prohibited when the first position of the REQTYP field is “D” and the EU field is “Y”.

NOTE 7: Optional when the second position of the TQ field is “N” or “X”.

NOTE 8: Optional when the first position of the REQTYP field is “W” and the BAN field is not “N”.

NOTE 9: 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

73. **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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

73. 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.

NOTE 4: A router CLLI code cannot be used in this field. When the 1st position of the REQTYP field is “D” or “P”, the router CLLI code may be entered in the ROUTER field on the PIP or DIS Form. For other REQTYPs, the router CLLI may be entered as a CLLI code in the SPOT field on the SALI Form.

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.

74. 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| | | | | | | | | | | | | | |

75. 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”.

75. 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| | | | | | | | | | | | | | | | |

76. 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 “D”, “E” or “S” and the ACT field is “N”, “C” or “D”, otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

77. 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

77. 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.

78. 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" or the PVCI field is not populated.

NOTE 2: Required when the JPR field is populated.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 4 alpha/numeric characters

EXAMPLE:

N	J	9	0
---	---	---	---

79. 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|

80. 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																					
---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

81. 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:

82. 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 or PVCI 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|

83. 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.

84. 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									
---	---	---	--	---	---	---	---	---	---	---	---	---	--	---	---	--	--	--	--	--	--	--	--	--

85. 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| | | | | | |

86. 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|

87. 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|

88. 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".

88. 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:

89. 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:

Y					
---	--	--	--	--	--

90. 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 | | | | | | | | | | | |

91. 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|

92. 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

93. 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| | | |

| | | | | | | | | | | | | | | | | | | | | |

94. 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: NJ

95. 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					
---	---	---	--	---	---	---	--	--	--	--	--

96. 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| | | | |**

97. 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 | | | |

98. 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|

99. 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

100. 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| | | | | | | | | | | | | | | |

101. 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|

102. 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| | | | | | | | | | | | | |

103. 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

104. 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| | | | | |

105. 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|

106. 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|**

107. 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|

P A N Y . C O M

108. 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| | | | |

109. 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| | | |

110. 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|

111. 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

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												

112. 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									

113. 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
---	---	---

114. 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

115. 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:

NOTE 1: This example illustrates a numeric value but is left justified since it is treated as text.

116. 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
---	---	---	---	---	---

117. 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| | | | |

| | | | | | | | | | | | | | | | | | | | | |

118. 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:

119. 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| | | | |

120. 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

121. 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	*						
---	---	---	---	---	---	---	---	---	--	--	--	--	--	--

122. 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|

123. 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|**

124. 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

125. 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| | | | |

126. 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|**

127. 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	86	Access Customer Name Abbreviation
ACT	22	Activity
ACTI	23	Activity Indicator
ACTL	72	Access Customer Terminal Location
AENG	39	Additional Engineering
AFG	81	Agency of the Federal Government
AFO	34	Additional Forms
AGAUTH	41	Agency Authorization Status
ALBR	40	Additional Labor
APOT	73	Additional Point of Termination
ASC-EC	78	Access Service Coordination - Exchange Company
ASG	66	Access Service Group
ASR NO	4	Access Service Request Number
BAN	65	Billing Account Number
BIC	67	Exchange Company Initiated Charge
BIC ID	69	BIC Identifier
BIC TEL	68	BIC Telephone Number
BILLCON	96	Billing Contact
BILLCON EMAIL	98	Billing Contact Electronic Mail Address
BILNNM	84	Billing Name
BSA	20	Basic Serving Arrangement
CB TEL NO	120	Conference Bridge Telephone Number
CBD	11	Call Before Dispatch
CBPC	121	Conference Bridge Passcode Number
CC	7	Company Code
CCI	15	Coordinated Change Indicator
CCNA	1	Customer Carrier Name Abbreviation
CCVN	77	Coordinated Conversion

ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
CFNI	54	Customer Fiber Network ID
CITY	93	City (BILL)
CITY	117	City (DSGCON)
CKR	57	Customer Circuit Reference
CNO	16	Case Number
CUST	43	Customer Name
D/TREC	127	Date and Time Received
D/TSENT	9	Date and Time Sent
DATED	42	Date of Agency Authorization
DDD	12	Desired Due Date
DRC	113	Design Routing Code
DSG EMAIL	111	Design Electronic Mail Address
DSG FAX NO	110	Design Facsimile Number
DSGCON	108	Design/Engineering Contact
EBP	89	Extended Billing Plan
EDA	38	Early Date Acceptance
ECCKT	63	Exchange Company Circuit ID
EU	24	End User Indicator
EVCI	28	Ethernet Virtual Connection Indicator
EXP	37	Expedite
FBA	50	Facility Billing Arrangement
FDRC	114	Facility Design Routing Code
FDT	13	Frame Due Time
FLOOR	91	Floor (BILL)
FLOOR	115	Floor (DSGCON)
FNI	51	Fiber Network Identification
FNT	52	Fiber Network Type
FUSF	88	Federal Universal Service Fee
ICSC	6	Interexchange Customer Service Center
IMPCON	125	Implementation Contact
INIT	104	Initiator
INIT EMAIL	107	Initiator Electronic Mail Address
INIT FAX NO	106	Initiator Facsimile Number
ISTN	71	Interconnection Screening Telephone Number
IWBAN	101	Inside Wire Billing Account Number

ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
JPR	47	Jointly Provided Ring
LA	44	Lease Arrangement
LADATED	45	Date of Lease Arrangement
LAG	76	Link Aggregation Group
LANM	46	Lease Authorization Name
LATA	27	Local Access Transport Area
LTP	62	Local Transport
LUP	19	Intrastate IntraLATA Usage Percentage
MTCE	122	Maintenance Contact
MTCE EMAIL	124	Maintenance Contact Electronic Mail Address
NAG	48	Network Access Groom
NPVC	31	Number of Permanent Virtual Connections (PVC)
NOR	18	Number of Requests
PIU	59	Percentage of Interstate Usage
PLU	60	Percentage Local Usage
PNUM	102	Promotion Number
PON	2	Purchase Order Number
PPTD	17	Project Plant Test Date
PROJECT	14	Project Identification
PSD	103	Promotion Subscription Date
PSL	55	Primary Service Location
PSLI	56	Primary Service Location Indicator
PVCI	30	Permanent Virtual Connection Indicator
QA	10	Quote Authorized
QNAI	35	Quantity Network Assignment Information
QSA	25	Quantity Service Address Location Information
QTY	64	Quantity
REMARKS	83	Remarks
REQTYP	21	Requisition Type and Status
RFNI	53	Related Fiber Network Identification
ROOM	92	Room (BILL)
ROOM	116	Room (DSGCON)
RORD	74	Related Order Number
RPON	75	Related Purchase Order Number

ASR FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
RTR	32	Response Type Requested
SAN	80	Subscriber Authorization Number
SBILLNM	85	Secondary Billing Name
SEI	29	Switched Ethernet Indicator
SPA	5	Special Action Indicator
SPEC	82	Service and Product Enhancement Code
SRN	49	Service Reservation Number
STATE	94	State/Province (BILL)
STATE	118	State/Province (DSGCON)
STREET	90	Street Address (BILL)
STREET	112	Street Address (DSGCON)
SUP	33	Supplement Type
TE	87	Tax Exemption
TEL NO	97	Telephone Number (BILL)
TEL NO	109	Telephone Number (DSGCON)
TEL NO	126	Telephone Number (IMPCON)
TEL NO	105	Telephone Number (INIT)
TEL NO	123	Telephone Number (MTCE)
TQ	36	Translation Questionnaire Request
TSC	70	Two Six Code
TSP	79	Telecommunications Service Priority
UNE	8	Unbundled Network Elements
UNIT	58	Unit Identification
VCVTA	100	Virtual Connection Variable Term Agreement
VER	3	Version Identification
VTA	99	Variable Term Agreement
WSI	61	Wireless Site Indicator
WST	26	Wireless Service Type
ZIP CODE (BILL)	95	ZIP Code (BILL)
ZIP CODE	119	ZIP Code (DSGCON)

4. ACCESS SERVICE REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

Access Service Request

V51
09/15

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4. ACCESS SERVICE REQUEST FORM NUMBERED (continued)

(Insert Your Company Logo Here)

Access Service Request (continued)

V51
09/15

Administrative Section	CCNA 1 2	PON 1 2	VER 1 3	ASR NO 1 4	SPA 1 5	ICSC 1 6
Contact Section	INIT 1 0 4	TEL NO (INIT) 1 0 5 - 1 1 1 - 1 1 1 - 1 1 1	INIT FAX NO 1 0 6 - 1 1 1 - 1 1 1			
INIT EMAIL 1 1 0 7						
DSGCON 1 1 0 8	TEL NO (DSGCON) 1 0 9 - 1 1 1 - 1 1 1	DSG FAX NO 1 1 0 - 1 1 1 - 1 1 1				
DSG EMAIL 1 1 1						
STREET 1 1 2	DRC 1 1 3	FDRD 1 1 4	FLOOR 1 1 5	ROOM 1 1 6	CITY 1 1 7	STATE 1 1 8
ZIPCODE 1 1 9	CB TEL NO 1 2 0 - 1 1 1 - 1 1 1	CBPC 1 2 1	MTCE 1 2 2	TEL NO (MTCE) 1 2 3 - 1 1 1 - 1 1 1		
MTCE EMAIL 1 2 4						
IMPCON 1 2 5	TEL NO (IMPCON) 1 2 6 - 1 1 1 - 1 1 1	D/TREC 1 2 7				

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5. ACCESS SERVICE REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Access Service Request

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO	SPA	ICSC										
CC	UNE	D/TSENT	QA	CBD	DDD	FDT	PROJECT	CCI									
CNO		PPTD	NOR	OF	LUP	BSA	REQTYP	ACT ACTI	EU	QSA	WST	LATA	EVCI	SEI	PVCI	NPVC	
RTR	SUP	AFO	QNAI	TQ	EXP	EDA	AENG	ALBR	AGAUTH	DATED	CUST						
LA	LADATED		LANM		JPR					NAG	SRN						
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																	
Bill Section		BILLNM		SBILLNM		ACNA	TE	FUSF									
EBP	STREET		FLOOR	ROOM	CITY												
STATE	ZIP CODE	BILLCON	TEL NO														
BILLCON EMAIL									VTA								
VCVTA	IVBAN		PNUM		PSD												

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5. ACCESS SERVICE REQUEST FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

Access Service Request (continued)

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO	SPA	ICSC
Contact Section	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		

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ATIS STANDARD

ATIS-0404002-0051

**Feature Group A (FG A) Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404002-0051
Feature Group A (FG A) Form Preparation Guide - Access Service Ordering Guidelines
(ASOG)

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FEATURE GROUP A (FGA) FORM
PREPARATION GUIDE

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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.

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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.

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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:

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						
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--	--	--	--

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 ATIS-0300223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

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 Communications 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: 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| | | | | | | | |
| | | |

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 ATIS-0300223, Structure and Representation of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 Communications Connections for Information Exchange 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 ATIS-0300253, Identification of Location Entities for Information Exchange 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. RECKKT - 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 Communications 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:

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:

1st Character

R = Remove
Y = Install

2nd and 3rd 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: R

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 ATIS-0300253, Identification of Location Entities Information Exchange 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

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4. FEATURE GROUP A FORM NUMBERED

(Insert Your Company Logo Here)

Feature Group A

V51
09/15

Administrative		CCNA 1	PON 2	VER 3	ASR NO 4																
Service Details																					
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								
RECOCKT 21													FIMPTEL 22	-							
Service Options																					
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	PDN 45	-			-											
HPF 46																					
Location Section																					
SECLOC 47	NSL 48			TNC TO 49			TNC PER 50			LOCBAN 51											
EUCON 52				EUTEL 53			-														
REMARKS																					
54																					

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5. FEATURE GROUP A FORM CAMERA READY

(Insert Your Company Logo Here)

Feature Group A

V51
09/15

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														
RECCKT																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																														
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ATIS STANDARD

ATIS-0404003-0051

WATS Access Line (WAL) Form Preparation Guide

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

Version 51



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.

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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)

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WATS ACCESS LINE (WAL) FORM
PREPARATION GUIDE

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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.

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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.

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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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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

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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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: 0|3|2

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

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4. WATS ACCESS LINE FORM NUMBERED

(Insert Your Company Logo Here)

WATS Access Lines

V51
09/15

Administrative Section		CCNA 1	PON 2	VER 3	ASR NO 4										
Circuit Details															
NC 5	TLV 6	-	T 7	DTO 7	SECNCI 8	SECTLV 9	-	T 10	-	R 11	PIC 10	-	NSL 11		
S25 12	ER 13	SR 14	DRL 15	TLA 16	BAND 17	HNTYP 18	BLOCK 19	NHNI 20							
HPF 21															
CFAU 22	CFA 23														
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													

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5. WATS ACCESS LINE FORM CAMERA READY

(Insert Your Company Logo Here)

WATS Access Lines

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO																	
NC	TLV	. T	. R	DTO	SECNCI	SECTLV	. T	. R	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																					

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ATIS STANDARD

ATIS-0404004-0051

**Trunking Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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TRUNKING FORM
PREPARATION GUIDE

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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.

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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.

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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:

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							
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--	--	--	--	--

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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 |O| | | | | | |

| 5 | 2 | / | H | F | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | X | X |

19. **RECCKT** - 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 RECCKT field and the REMARKS field are populated to specify the ID of the related circuits.

NOTE 2: The first RECCKT 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. RECCKT - 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 | O | 1 | / | M | I | L |

|W|W| I | 1 | 3 |C|G|O| | | | |

$|1|0|1|, |1|0|5|, |1|0|7|, |1|0|9| / |T|6|7|8|$

|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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 | O | | | | | | | |

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|C|G|0| | | | | |

1

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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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.

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|O|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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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: **|H|C|-|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:

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: A

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: |D|

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: A

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: A

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:

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 PACT 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: |G|

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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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 ATIS-0300253, Identification of Location Entities for the Information Exchange 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

EXAMPLE:

D	I	S	C	O	F	F	I	R	S	T	C	K	T	I	N
G	R	O	U	P											

G	R	O	U	P											
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

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4. TRUNKING FORM NUMBERED

(Insert Your Company Logo Here)

Trunking

V51
09/15

Administrative Section				CCNA	PON	VER	ASR NO																
				[1]	[2]	[3]	[4]																
Service Details				NC	NCI	TLV	TTT																
				[5]	[6]	[7]	[8]																
QACI	TRFTYP	SECTLV	CIC	TRN	TCIC			NS															
[9]	[10]-	[11]-	[12]	[13]	[14]			[15]															
PSAP		ESN	WACD1																				
[16]		[17]	[18]																				
RECKT																							
[19]																							
RECKT									PRI ADM									SEC ADM					
[19]									[20]									[21]					
SCRT																							
[22]																							
CFA									CFAU	CPT									MUXLOC				
[24]									[25]	[26]									[27]				
CSL	CST	CSPC	SECLOC									SMUXLOC											
[28]	[29]	[30]	[31]									[32]											
SCFA									HBAN	SFNI													
[33]									[34]	[35]													
CCEA																							
[36]																							
CKR1									FACTL														
[37]									[38]														
NC1	PQPR	FIMPTEL									SR	MBA	OPS	GTO	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]								
REMARKS	[70]																						

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5. TRUNKING FORM CAMERA READY

(Insert Your Company Logo Here)

Trunking

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO													
Service Details		NC	NCI	TLV	TTT													
QACI	TRFTYP	SECTLV	CIC	TRN	TCIC	NS												
PSAP			ESN	WACD1														
RECOKT												PRI ADM	SEC ADM					
RECOKT												D.NPA/NXX						
SCRT												CFAU	CPT	MUXLOC				
CFA																		
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																		

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ATIS STANDARD

ATIS-0404005-0051

**Transport Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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TRANSPORT FORM
PREPARATION GUIDE

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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.

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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.

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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:

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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

1st 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

2nd 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

3rd 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 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 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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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 ATIS-0300253 Identification of Location Entities for Information Exchange 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:

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 | O | | | | | | | |

—
—
—

| 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| | | | | | | |

U U U

51

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: 1

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 ATIS-0300253 Identification of Location Entities for Information Exchange 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| | | | |

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 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 ATIS-0300253 Identification of Location Entities for Information Exchange 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 ATIS-0300253 Identification of Location Entities for Information Exchange 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 ATIS-0300253 Identification of Location Entities for Information Exchange 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:

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 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)

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 MEF Technical Specification MEF 45.

USAGE: This field is optional.

DATA CHARACTERISTICS: 5 alpha/numeric characters

EXAMPLES: [C|T|A| |]

[C|T|B| - |2|]

46. MSFS – Maximum Service Frame Size

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI/ENNI.

NOTE 1: More information regarding this field can be found in the MEF Technical Specification MEF 10.3 and MEF 26.1.

NOTE 2: This attribute may be specified by the provider as part of their product offering.

VALID ENTRIES:

Maximum Frame Size Value (numeric value expressed in bytes)

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is “S”, otherwise prohibited.

DATA CHARACTERISTICS: 5 numeric characters

EXAMPLE: | 1 | 5 | 2 | 6 |

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|
|1|0| / |O|K|L|D|C|A|0|3| / |O|K|L|D|C|A|0|3|
| | | | | | | | | | | | | | | |

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|
|1|0| / |O|K|L|D|C|A|0|3| / |O|K|L|D|C|A|0|3|
| | | | | | | | | | | | | | | |

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:

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 optional.

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 10.3 and 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
MSFS	46	Maximum Service Frame Size
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
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

09/15

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5. TRANSPORT REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Transport Request

CCNA	PON	VER	ASR NO							
Administrative Section										
NC	NCI	TLV	SECNCI	SECTLV	PQPR	QPR				
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	MSFS	
CCEA										
SCCEA										
GETO	GBTN		GCON		GTEL					
CTX TEL		CTX LSTD NM		LAG-ID				LAG-P		
WACD1				WACD2						
DIV/CKT			DIV/PON							
REMARKS										

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**Multi Point Service Legs (MSL)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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

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MULTIPOINT SERVICE LEGS REQUEST (MSL)
PREPARATION GUIDE

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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.

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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:

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:

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 ATIS-0300253 Identification of Location Entities for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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 ATIS-0300253 Identification of Location Entities for Information Exchange 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

EXAMPLE: |D| I |S|C| |O|F| |F|I|R|S|T| |C|K|T| |I|N|

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
LEGENUM	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

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO
1			
2			

Circuit Details

REF NUM 5	LEGACT 6	CKLT 7	LEGNUM 8	SEG 9	NC 10	SECNCI 11	SECTLV 12	.	T	.	R
MST 13	TRF 14	S25C 15	ER 16	RORD 17							
SCFA 18											
GETO 21	GBTN 22	-	GCON 23				OTC 19	SECLOC 20			
		-									
		-					GTEL 24	-	-	-	

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5. MULTIPONT SERVICE LEGS (MSL) FORM CAMERA READY

(Insert Your Company Logo Here)

Multipoint Service Legs

V51
09/15

Administrative Section

CCNA PON VER ASR NO

Circuit Details

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ATIS STANDARD

ATIS-0404007-0051

**Additional Circuit Information (ACI) Form
Preparation Guide**

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

Version 51



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.

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**ADDITIONAL CIRCUIT INFORMATION (ACI) FORM
PREPARATION GUIDE**

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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.

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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
- Private Internet Protocol Request
- Dedicated Internet Service Request

2.3 ACI and MSL are mutually exclusive for the life of the ASR.

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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:

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: 1

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 | O | | | | | | | |

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| | | | |

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: 1

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: Y

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|

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:

25. OFC – Optical Fiber Connector (SECLOC)

Identifies the connection type for the fiber strand into the equipment for an optical hand-off at service address location.

USAGE: This field is conditional.

NOTE 1: Optional when the JS (SECLOC) field is "D" or blank and the SECNCI field on the service specific form specifies an optical hand-off, otherwise prohibited.

DATA CHARACTERISTICS: 15 alpha/numeric characters

EXAMPLES: | L | C | | | | | | | | | | | |

|F| = |3|0|0|0| | | | | | | | | |

26. 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:

27. 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|

28. 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| | | | | | | | | | | | | | | |

29. 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.

29. 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

30. 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.

30. 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

31. 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".

31. 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.

31. 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

32. 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
---	---	---	---	---	---	---	---	---

33. 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|

34. 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|

35. 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
---	---	---	---	---

36. 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.

36. 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:

37. OFC – Optical Fiber Connector (PRILOC)

Identifies the connection type for the fiber strand into the equipment for an optical hand-off at service address location.

USAGE: This field is conditional.

NOTE 1: Optional when the JS (PRILOC) field is "D" or blank and the NCI field on the service specific form specifies an optical hand-off, otherwise prohibited.

DATA CHARACTERISTICS: 15 alpha/numeric characters

EXAMPLES: | L | C | | | | | | | | | | | |

|F| - |3|0|0|0| | | | | | | | | | |

38. 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|

39. 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 |

40. 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:

41. 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:

42. 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			
---	---	---	--	--	--

43. 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 | | | | | | | | | |

44. 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

45. IP ADDRESS - Internet Protocol Address

Identifies the Internet Protocol 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

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.

45. 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.

46. 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 for Ethernet based service.

NOTE 1: When this field is populated without an associated IP Address and the first position of the REQTYP field on the ASR Form is “P” then it shall be used by the provider to identify the IP routing protocol version in order to interpret the protocol data sent from the customer’s equipment.

NOTE 2: When this field is populated without an associated IP Address and the first position of the REQTYP field on the ASR Form is “D” then it shall be used by the provider to assign the IP Address using a pool of available addresses based on the format selected in this field. The American Registry for Internet Numbers (ARIN) assigns the pool of IP Addresses for US based services that may be used by a provider.

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.

NOTE 2: Required when the first position of the REQTYP field on the ASR Form is “D” and the ACT field on the ASR Form is “N”.

NOTE 3: Optional when the first position of the REQTYP field on the ASR Form is “D” and the ACT field on the ASR Form is not “N”.

46. IPA1 - Internet Protocol Address Identifier (continued)

NOTE 4: Optional when the first position of the REQTYP field on the ASR Form is "P".

NOTE 5: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE:

47. 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| |

48. IP ADDRESS2 – Second Internet Protocol Address

Identifies the second Internet Protocol Address within the network interface device at a host or end user location when requesting dual stack capability with IPv4 and IPv6 enabled.

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 “D”, ACT field on the ASR Form is “N” or “C” and the IPA1 field is “4” or “6”, 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.

49. IPA12 – Second Internet Protocol Address Identifier

Identifies the version of the Second Internet Protocol Address within the network interface device at a host or end user location when requesting dual stack capability with IPv4 and IPv6 enabled.

NOTE 1: When this field is populated without an associated IP Address and the first position of the REQTYP field on the ASR Form is “P” then it shall be used by the provider to identify the IP routing protocol version in order to interpret the protocol data sent from the customer’s equipment.

NOTE 2: When this field is populated without an associated IP Address and the first position of the REQTYP field on the ASR Form is “D” then it shall be used by the provider to assign the IP Address using a pool of available addresses based on the format selected in this field. The American Registry for Internet Numbers (ARIN) assigns the pool of IP Addresses for US based services that may be used by a provider.

VALID ENTRIES:

4 = IPv4
6 = IPv6

NOTE 1: Valid entry of “4” is prohibited if IPA1 field is “4”.

NOTE 2: Valid entry of “6” is prohibited if IPA1 field is “6”.

USAGE: This field is conditional.

NOTE 1: Required when the IP ADDRESS2 field is populated.

NOTE 2: Optional when the IPA1 field is populated with “4” or “6”.

NOTE 3: Otherwise prohibited.

49. **IPAI2** – Second Internet Protocol Address Identifier (continued)

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE: 6

50. **SUBNET MASK2** – Second Subnet Mask

Identifies the Subnet Mask associated to the Second 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 Address2 field is populated and the IPA12 field is “4”, otherwise prohibited.

DATA CHARACTERISTICS: 15 alpha/numeric characters

EXAMPLE: 2|5|5|.|2|5|5|.|2|5|5|.|0| | |

51. **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.

NOTE 2: Optional when the first position of the REQTYP field on the ASR Form is “P” and the ACT field on the ASR Form is “N” or “C”.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: |S|

52. 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” or the first position of the REQTYP field on the ASR Form is “D”, 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 | | | | | | | | |

53. **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| | | | | | | |

54. **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 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

55. 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 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:

56. ACCESS-CKT – Access Circuit ID

Identifies the provider assigned access circuit ID against which the Port service is requested.

NOTE 1: This field should be populated by the customer when ordering a port to an existing access circuit.

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is “P”, otherwise prohibited.

DATA CHARACTERISTICS: 42 alpha/numeric characters

EXAMPLE: |9|2| / |K|D|F|N| / |1|2|3|4|5|6| / | | / |O|B| | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |

|1|0|1| / |T|3| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | | | | | | | | | | | | | | | | | | |

| | |

57. EASBDW – Ethernet Access 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 the access portion of a Private IP or Dedicated Internet service.

VALID ENTRIES:

Bandwidth specified = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is "D" or "P", otherwise prohibited.

DATA CHARACTERISTICS: 8 alpha/numeric characters

EXAMPLES:

1	G						
---	---	--	--	--	--	--	--

5	0	.	0	M			
---	---	---	---	---	--	--	--

58. **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.

58. 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

59. 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 | | | | | | | | | | | | | | | |

60. **MSFS** –Maximum Service Frame Size

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI/ENNI.

NOTE 1: More information regarding this field can be found in the MEF Technical Specification MEF 10.3 and MEF 26.1.

NOTE 2: This attribute may be specified by the provider as part of their product offering.

VALID ENTRIES:

Maximum Frame Size Value (numeric value expressed in bytes)

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is “E” or “S”, otherwise prohibited.

DATA CHARACTERISTICS: 5 numeric characters

EXAMPLE: | 1 | 5 | 2 | 6 |

61. **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 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: E

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
ACCESS-CKT	56	Access Circuit ID
ASG	42	Access Service Group
ASR NO	4	Access Service Request Number
BI	55	Bundling Indicator
BUM	54	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	43	Complete with Related Order
DIR	9	Directionality
DIVCKT	58	Diverse Circuit ID
DIVPON	59	Diverse Purchase Order Number
EASBDW	57	Ethernet Access Supplemental Bandwidth
ECCKT	31	Exchange Company Circuit ID
ER	30	S25C Exemption Reason
ES	51	Egress Scheduler
HBAN	12	High Capacity Channel Billing Account Number
IP ADDRESS	45	Internet Protocol Address
IP ADDRESS2	48	Second Internet Protocol Address
IPAI	46	Internet Protocol Address Identifier
IPAI2	49	Second Internet Protocol Address Identifier
JK CODE	20	Jack Code (SECLOC)
JK CODE	34	Jack Code (PRILOC)
JK NUM	22	Jack Number (SECLOC)
JK POS	23	Jack Position (SECLOC)
JS	24	Jack Status (SECLOC)
JS	36	Jack Status (PRILOC)

ACI FORM

Field Abbreviation	Field #	Field Name
MSFS	60	Maximum Service Frame Size
NHN	27	Non-Hunting Number
NHNI	26	Non-Hunt Number Indicator
OFC	25	Optical Fiber Connector (SECLOC)
OFC	37	Optical Fiber Connector (PRILOC)
PCA	35	Protective Connecting Arrangement (PRILOC)
PCA	21	Protective Connecting Arrangement (SECLOC)
PON	2	Purchase Order Number
PROFE	52	Profile Egress
PROFI	53	Profile Ingress
RECKT	44	Related Exchange Company Circuit ID
REF NUM	6	Reference Number
RORD	28	Related Order Number
S25C	29	Surcharge Status Circuit
SCCEA	33	Secondary Cross Connect Equipment Assignment
SCFA	15	Secondary Connecting Facility Assignment
SCFAU	17	Secondary Connecting Facility Assignment Use
SDIR	16	Secondary Directionality
SM	61	Synchronous Mode
SMJK	40	Smart Jack (PRILOC)
SMJK	41	Smart Jack (SECLOC)
SUBNET MASK	47	Subnet Mask
SUBNET MASK2	50	Second Subnet Mask
TCIC	18	Trunk Circuit Identification Code
TSP	14	Telecommunications Service Priority
TRN	32	Trunk Number
VER	3	Version Identification
WACD1	38	Work Authorization Circuit Detail 1
WACD2	39	Work Authorization Circuit Detail 2

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4. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM NUMBERED

(Insert Your Company Logo Here)

Additional Circuit Information

V51
09/15

Administrative	CCNA	PON	VER	ASR NO																													
	1	2	3	4																													
Circuit Details	CKR										REF NUM																						
CKTACT	CFA	DIR	CPT	CFAU																													
7	8	9	10	11																													
HBAN	CKR1										TSP																						
12	13											14																					
SCFA											SDIR	SCFAU	TCIC	18		-1																	
15											16	17	18	19		-1																	
CCEA																																	
19																																	
JK CODE	PCA	JK NUM	JK POS	JS	OFC	NHNI	NHN	RORD	S25C		ER																						
20	21	22	23	24	25	26	27	28	29		30																						
ECCKT											TRN																						
31											32	-1																					
SCCEA																																	
33																																	
JK CODE	PCA	JS	OFC	WACD1																													
34	35	36	37	38																													
WACD2											SMJK	SMJK	ASG	CRO																			
39											40	41	42	43																			
CRO	RECKT																																
43	44																																
IP ADDRESS											IPA1	SUBNET MASK																					
45											46	47																					
IP ADDRESS2											IPA2	SUBNET MASK2																					
48											49	50																					
ES PROFE	PROFI																					BUM	BI										
51	52	53																				54	55										
ACCESS-CKT	EASBDW																																
56	57																																
DIVCKT											DIV/PON											MSFS	SM										
58	59																				60	61											

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5. ADDITIONAL CIRCUIT INFORMATION (ACI) FORM CAMERA READY

(Insert Your Company Logo Here)

Additional Circuit Information

V51
09/15

Administrative	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	OFC	NHNI	NHN	RORD	S25C		ER					
ECKT									TRN							
SCCEA																
JK CODE	PCA	JS	OFC	WACD1		SMJK	SMJK	ASG	CRO							
WACD2																
CRO	RECKT															
IP ADDRESS												IPA1	SUBNET MASK			
IP ADDRESS2												IPA2	SUBNET MASK2			
ES PROFE												PROFI	BUM		BI	
ACCESS-CKT												EASBDW				
DIV CKT												DIV PON	MSFS		SM	

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ATIS STANDARD

ATIS-0404008-0051

**Switched Ethernet Services (SES)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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SWITCHED ETHERNET SERVICES REQUEST
FORM PREPARATION GUIDE

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1. 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.

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2. 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.

3. 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange. 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

1st 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

2nd 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:

3rd 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 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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 optional.

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 10.3 and 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 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 | | | | | | | | | | | | | |

A horizontal line with six vertical tick marks evenly spaced along its length.

A horizontal black line with five vertical tick marks evenly spaced along its length.

A horizontal black line with five vertical tick marks evenly spaced along its length.

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 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. MSFS – Maximum Service Frame Size

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI/ENNI.

NOTE 1: More information regarding this field can be found in the MEF Technical Specification MEF 10.3 and MEF 26.1.

NOTE 2: This attribute may be specified by the provider as part of their product offering.

VALID ENTRIES:

Maximum Frame Size Value (numeric value expressed in bytes)

USAGE: This field is optional.

DATA CHARACTERISTICS: 5 numeric characters

EXAMPLE: | 1 | 5 | 2 | 6 |

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 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: E

22. 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 character

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 |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

23. 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.

23. 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 “D”.

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| | | | | | | | | | | | | |

24. 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

25. 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|
| | | | | | | | | | | | | | | |

26. 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.

26. 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

27. 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|

28. 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| | | | |

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

29. 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|

30. IP ADDRESS - Internet Protocol Address

Identifies the Internet Protocol 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.

30. 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.

31. 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:

32. 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| | |

33. **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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

33. 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| | |]

34. 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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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.

34. 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
---	---	---	---

35. 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	25	Cross Connect Equipment Assignment
DIVCKT	23	Diverse Circuit ID
DIVPON	24	Diverse Purchase Order Number
ES	12	Egress Scheduler
ESP	33	Ethernet Service Point
GBTN	27	General Exchange Tariff Options Billing Telephone Number
GCON	28	GETO Contact Name
GETO	26	General Exchange Tariff Options Code
GTEL	29	General Exchange Tariff Options Contact Telephone Number
HVP	13	High Voltage Protection
IP ADDRESS	30	Internet Protocol Address
IPAI	31	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
MSFS	20	Maximum Service Frame Size
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
OTC	34	Other Exchange Company
PON	2	Purchase Order Number
PROFE	14	Profile Egress
PROFI	15	Profile Ingress
REMARKS	35	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	32	Subnet Mask
VER	3	Version Identification
WACD1	22	Work Authorization Circuit Detail 1

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4. SWITCHED ETHERNET SERVICES REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

Switched Ethernet Services Request

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO
	1	2	3	4

Circuit Detail Section

NC NCI SECNCI SR SBDW BUM BI ES HVP

PROFE

PRC

LAG-ID

111

16 17 18 19 20 21

WACD1

2 | Page

Location Section

CCEA

GETO GBTN

EOP

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5. SWITCHED ETHERNET SERVICES REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Switched Ethernet Services Request

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO										
Circuit Detail Section															
NC	NCI	SECNCI			SR	SBDW	BUM	BI	ES	HVP					
PROFE					PROFI										
LAG-ID					LAG-P	L2CPP						L2CP-ADDR	MSFS	SM	
WACD1															
DIV/CKT					DIV/PON										
Location Section															
CCEA															
GETO	GBTN	GCON			GTEL										
IP ADDRESS					IPAI	SUBNET MASK									
ESP					OTC										
REMARKS															

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ATIS-0404009-0051

**Open Billing (OB) Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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OPEN BILLING FORM (OB)
PREPARATION GUIDE

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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.

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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).

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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 ATIS-0300253, Identification of Location Entities for Information Exchange 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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange 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|

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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—

|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:

4			
---	--	--	--

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: |2|0| |

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: 3 0

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

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4. OPEN BILLING FORM NUMBERED

(Insert Your Company Logo Here)

Open Billing

V51
09/15

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

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5. OPEN BILLING FORM CAMERA READY

(Insert Your Company Logo Here)

Open Billing

V51
09/15

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		
ECCKT					SFN	
CKR						
RGN-1	CLN-1	OFN	RGN-2	CLN-2	RGN-3	CLN-3
RTN	PTN	HML	TER	MLG	HTG	SIA
ECCKT					SFN	
CKR						
RGN-1	CLN-1	OFN	RGN-2	CLN-2	RGN-3	CLN-3
RTN	PTN	HML	TER	MLG	HTG	SIA

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ATIS STANDARD

ATIS-0404010-0051

**Clarification/Notification Request (C/NR)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404010-0051
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)

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CLARIFICATION/NOTIFICATION REQUEST FORM
PREPARATION GUIDE

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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.

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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.).

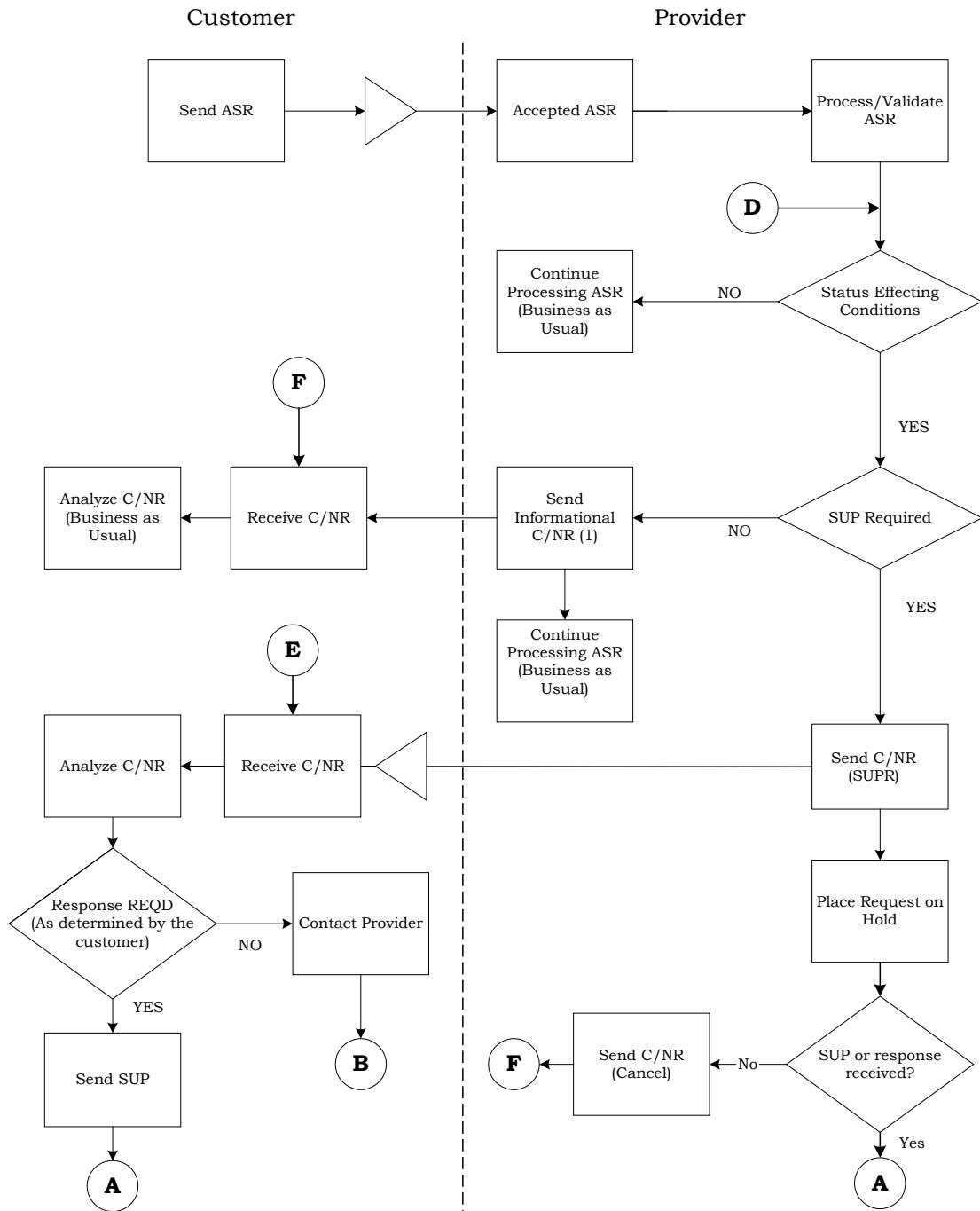
2.2 PROCESS FLOWS

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)

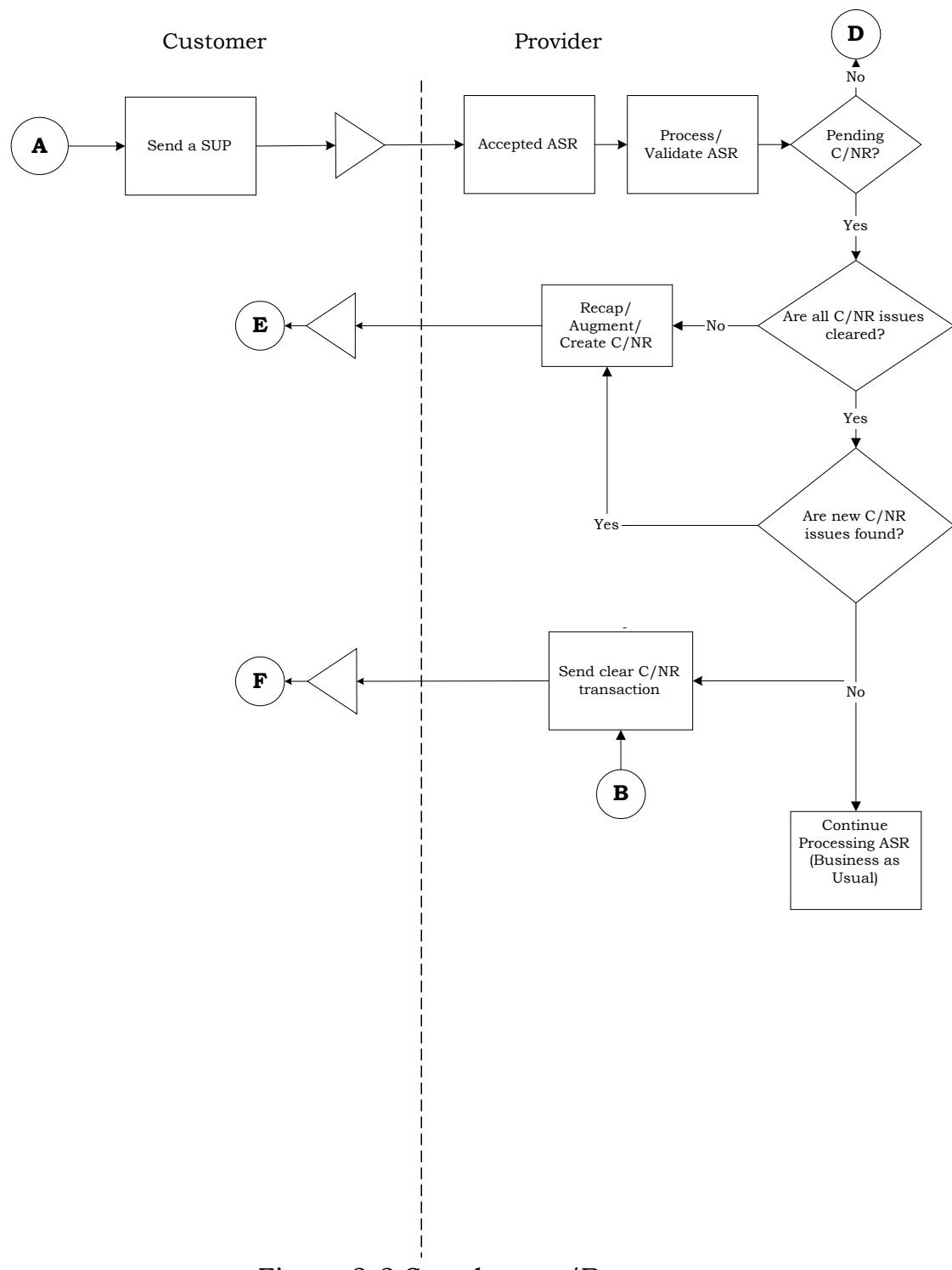


Figure 2-2 Supplement/Response

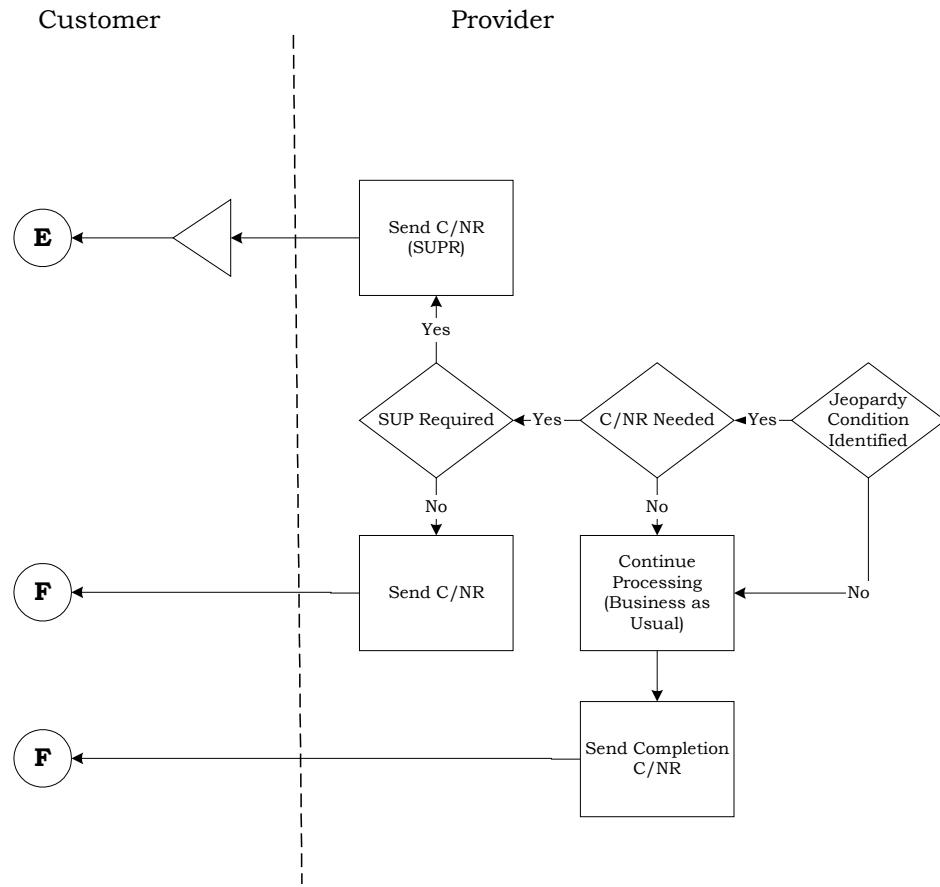


Figure 2-3 Jeopardy/Completion Notification

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|

|P|A|N|Y|. |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|

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 ruler scale with major tick marks labeled from 0 to 10. The scale is marked every 1 unit, starting at 0 and ending at 10.

A horizontal ruler scale from 0 to 10 cm. The scale is marked with major tick marks at every centimeter and minor tick marks at every millimeter. The numbers are placed to the left of the scale.

A horizontal row of five vertical tick marks, evenly spaced, representing a scale or a series of discrete points.

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 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. VC NUM - Virtual Connection Number

Identifies the unique number assigned to a specific Ethernet virtual connection, permanent 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 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| |

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
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
VC NUM	24	Virtual Connection Number
VER	3	Version Identification

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4. CLARIFICATION/NOTIFICATION REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

Clarification/Notification Request

V51
09/15

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		
AP REP EMAIL					
11					

C/NR Detail Section

CNT	C/NR VER	SUPR	CRDD	ESDD	CD	SDI
12	13	14	15	16	17	18
SUPI	R CODE	RDET				
19	20	21				
SUPI	R CODE	RDET				
19	20	21				
SUPI	R CODE	RDET				
19	20	21				
REMARKS						
22						

Error Detail Section

SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	23	24	25	#	27	28	29
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	23	24	25	#	27	28	29
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	23	24	25	#	27	28	29
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
19	23	24	25	#	27	28	29

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4. CLARIFICATION/NOTIFICATION REQUEST FORM NUMBERED (continued)

(Insert Your Company Logo Here)

Clarification/Notification Request (continued)

V51
09/15

Administrative

Error Detail Section

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5. CLARIFICATION/NOTIFICATION REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Clarification/Notification Request

V51
09/15

Administrative

CCNA	PON	VER	ASR NO	ICSC	D/TSENT
INIT	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	R DET				
SUPI	R CODE	R DET				
SUPI	R CODE	R DET				
REMARKS						

Error Detail Section

SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE
SUPI	REF NUM	VC NUM	UREF	LREF	ERROR TAG	OCC	ERROR MESSAGE

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5. CLARIFICATION/NOTIFICATION REQUEST FORM CAMERA READY (CONTINUED)

(Insert Your Company Logo Here)

Clarification/Notification Request (continued)

V51
09/15

Administrative

CCNA	PON		VER	ASR NO		ICSC	D/TSENT	
INIT			TEL NO			AP REP	AP REP TEL	
AP REP EMAIL								

Error Detail Section

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ATIS STANDARD

ATIS-0404011-0051

**Confirmation Notice (CN)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404011-0051
Confirmation Notice (CN) Form Preparation Guide - Access Service Ordering Guidelines
(ASOG)

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CONFIRMATION NOTICE (CN) FORM
PREPARATION GUIDE

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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.

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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.

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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:

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:

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: **[2|0|1] - [9|8|1] - [3|5|8|2] - [] [] [] []**

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 | | | | | | | | |

 | | | | | | | | | | | | | | |

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: 16 alpha/numeric characters

EXAMPLES: |B|S|0|6|1|1|9|6|-|0|0|2| | | | |

|B|S|0|6|1|1|9|6|-|0|0|2|-|1|2|3|

|B|S|0|6|1|1|9|6|A|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:

1st character

- 1 = Outside Plant (OSP) Build
- 2 = Interoffice Facility (IOF) Build
- 3 = Both OSP and IOF Build

2nd 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

30. SECLOC - Secondary Location (continued)

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.

NOTE 2: Optional when the first position of the REQTYP field on the ASR Form is “D” or “P” and the CLLI Code has been assigned by the provider.

NOTE 3: 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange.

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|

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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|

|0|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:

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. ACCESS ORD – Access Circuit Order Number

Identifies the provider service order number for the access circuit.

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is “P” and the PVCI or EVCI field on the ASR Form is “B” or blank, otherwise prohibited.

DATA CHARACTERISTICS: 17 alpha/numeric characters

EXAMPLE: |C|8|6|0|2|4|1|6| | | | | | | | | | |

53. 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

54. 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.

55. 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|-| | | | |

56. 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	-					
---	---	---	---	---	---	--	--	--	--	--

57. 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| | | | | | | | | | | | | |

58. 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| | | | | | | | | | |

59. 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										
---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--

60. 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: 1|2|3| | |

61. **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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

61. 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|

62. 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

63. 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
--	--	--	--	---

64. 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

65. ACCESS-CKT – Access Circuit ID

Identifies the provider's access circuit ID associated with the port which has been assigned to accommodate the request for Private IP service.

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is "P" and the PVCI or EVCI field on the ASR Form is "B" or blank, otherwise prohibited.

DATA CHARACTERISTICS: 42 alpha/numeric characters

EXAMPLES: |9|2| / |K|D|F|N| / |1|2|3|4|5|6| / | | |O|B| | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |

|1|0|1| / |T|3| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | | | | | | | | | |

| | |

3.2 VIRTUAL CIRCUIT SECTION

66. VC ID – Virtual Connection Circuit Identifier

Identifies the provider assigned Ethernet Virtual Connection Identifier (EVCID) or Permanent Virtual Connection Circuit Identifier (PVCID).

NOTE 1: The provider assigning this EVCID or PVCID 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 EVCID. 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.

NOTE 3: When the PVCI field on the ASR Form is populated, the customer is ordering a PVCID. 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 PVCID field on the PVC 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.

66. VC ID – Virtual Connection Circuit Identifier (continued**)**

NOTE 1: Required when RT field is “F” and the EVCI or PVCN field on the ASR Form is populated, otherwise prohibited.

DATA CHARACTERISTICS: 28 alpha/numeric characters

EXAMPLE:

9	2	/	V	L	X	X	/	1	2	3	4	5	6	/	/	O	B		

67. VC ORD -Virtual Connection Order Number

Identifies the provider service order number for the EVC or PVC requested service.

USAGE: This field is conditional.

NOTE 1: Required when the EVCI or PVCI field on the ASR Form is populated, otherwise prohibited.

DATA CHARACTERISTICS: 17 alpha/numeric characters

EXAMPLE: C|8|6|0|2|4|1|6| | | | | | | | | | |

68. VC CKR –Virtual Connection Customer Circuit Reference

Identifies the circuit number used by the customer.

NOTE 1: VC CKR is used by the customer as a cross reference to the provider EVC ID(s) or PVC 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 EVCCR field on the EVC Form or the PVCCR field on the PVC Form is populated, otherwise prohibited.

DATA CHARACTERISTICS: 53 alpha/numeric characters

69. VC NUM –Virtual Connection Number

Identifies each EVC/PVC/VC as a unique number.

NOTE 1: This field reflects the value from the customer provided data on the associated EVC, PVC or VC Form(s).

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 or PVCI field on the ASR Form is populated.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 4 numeric characters

EXAMPLE: |0|0|0|3|

70. **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.

NOTE 2: Optional when the PVCI field on the ASR Form is populated.

NOTE 3: 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.

71. **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.

72. 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
---	---	---	---	---

73. 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

74. 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
---	---	---	---	---	---	---	---	---

75. **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

76. RECCKT - 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 | | | | | |

77. **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.

78. **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 RECKKT 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.

79. **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 RECKKT 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
---	---	---	---	---

80. 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>
ACCESS-CKT	65	Access Circuit ID
ACCESS ORD	52	Access Circuit Order Number
AP REP	10	Provider Contact
AP REP TEL	11	Provider Contact Telephone Number
APP	17	Application Date
ASG	60	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	75	Customer Edge Virtual Local Area Network
CIWBAN	35	Corrected Inside Wire Billing Account Number
CKR	51	Customer Circuit Reference
CKR1	53	Customer Circuit Reference (T1)
CNO	16	Case Number
CRO	59	Complete With Related Order Number
DD	22	Due Date
DLCI	70	Data Link Connection Identifier
DLRD	19	Design Layout Report Date
DTN	64	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

CN FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
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	58	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
LEGNUM	54	Multipoint Leg Number
NFR	23	Network Facility Requirement
NFRT	24	Network Facility Requirement Type
NHN	46	Non-Hunting Number
NK	50	Network Configuration
ORD	57	Order Number
PG_of_	80	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	77	Related Data Link Connection Identifier
RECCKT	76	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
RVCI	79	Related Virtual Circuit Identifier
RVPI	78	Related Virtual Path Identifier
SC	28	Special Construction Requirement
SECLOC	30	Secondary Location
SPA	5	Special Action Indicator
SRN	18	Service Reservation Number
SSWC	61	SECLOC Serving Wire Center
S-VLAN	74	Service Virtual Local Area Network
SWC	27	Serving Wire Center
TCIC	56	Trunk Circuit Identification Code
TRKQTY	63	Trunk Quantity
TRN	55	Trunk Number
TSC	62	Two Six Code
UREF	73	User Network Interface Reference Number
VC CKR	68	Virtual Connection Customer Circuit Reference
VC ID	66	Virtual Connection Circuit Identifier
VC ORD	67	Virtual Connection Order Number
VC NUM	69	Virtual Connection Number
VCI	72	Virtual Circuit Identifier
VER	3	Version Identification
VPI	71	Virtual Path Identifier

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4. CONFIRMATION NOTICE (CN) FORM NUMBERED

(Insert Your Company Logo Here)

Confirmation Notice

V51
09/15

Administrative Section		CCNA [1]	PON [2]	VER [3]	ASR NO [4]	SPA [5]	RT [6]	INIT [7]
ICSC [8]	CD/TSENT [9]	AP REP [10]		AP REP TEL [11]-[12]-[13]				
EMAIL [12]		PIA [13]						
PROV INT [14]	PROJECT [15]	CNO [16]		APP [17]	SRN [18]			
DLRD [19]	CDLRD [20]	PTD [21]		DD [22]	NFR [23]	NFRFT [24]	EBD [25]	BAN [26]
SWC [27]	SC [28]	EC VER [29]	SECLOC [30]	FDLRD [31]	FCDLRD [32]	FPTD [33]	FDD [34]	
CIWBAN [35]	ECSPC [36]-[37]		FNI [37]	RTI [38]	ESP [39]			
FDT [40]	CB TEL NO [41]-[42]		LAG-ID [43]					
REMARKS								
[44]								
ECKT [45]						NHN [46]	REF NUM [47]	
FCKT [48]						HBAN [49]	NK [50]	
CKR [51]						ACCESS ORD [52]		
CKR1 [53]						LENUM [54]	TRN [55]	TCIC [56]
ORD [57]	FORD [58]		CRO [59]			ASG [60]	SSWC [61]	
TSC	TRKQTY	DTN	ACCESS-CKT					

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4. CONFIRMATION NOTICE (CN) FORM NUMBERED (continued)

(Insert Your Company Logo Here)

Confirmation Notice Form (continued)

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO	SPA	RT	INT
ICSC	CD/TSENT			3 1	4 2	5 3	6 4	7 5
8 8	9 9			10 1	11 1	- -	- -	- -
ECKT						NHN 4 6	REF NUM 4 7	
FCKT						HBAN 4 9	NK 5 0	
CKR						ACCESS ORD 5 2		
CKR1						LENUM 5 4	TRN 5 5	TCIC 5 6
ORD		FORD 5 8		CRO 5 9		ASG 6 0	SSWC 6 1	
TSC	TRKQTY 6 3	DTN 6 4	- -	ACCESS-CKT 6 5		PG 8 0	OF 8 0	
ECKT						NHN 4 6	REF NUM 4 7	
FCKT						HBAN 4 9	NK 5 0	
CKR						ACCESS ORD 5 2		
CKR1						LENUM 5 4	TRN 5 5	TCIC 5 6
ORD		FORD 5 8		CRO 5 9		ASG 6 0	SSWC 6 1	
TSC	TRKQTY 6 3	DTN 6 4	- -	ACCESS-CKT 6 5		PG 8 0	OF 8 0	

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4. CONFIRMATION NOTICE (CN) FORM NUMBERED (continued)

(Insert Your Company Logo Here)

Confirmation Notice Form (Virtual Connection)

V51
09/15

Administrative

CCNA	PON	VER	ASR NO
1 1	2	3	4

Virtual Circuit Section

VC ID	VC ORD									
6 6	6 7									
VC CKR										
6 8										
VC NUM	DLCI	VPI	VCI	UREF	S-VLAN	S-VLAN	S-VLAN			
6 9	7 0	7 1	7 2	7 3	7 4	7 4	7 4			
CE-VLAN										
7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -			
CE-VLAN										
7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -			

Related Circuit Section

RECCKT	RDLCI	RVPI	RVCI
7 6	7 7	7 8	7 9

Virtual Circuit Section

VC ID	VC ORD									
6 6	6 7									
VC CKR										
6 8										
VC NUM	DLCI	VPI	VCI	UREF	S-VLAN	S-VLAN	S-VLAN			
6 9	7 0	7 1	7 2	7 3	7 4	7 4	7 4			
CE-VLAN										
7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -			
CE-VLAN										
7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -	7 5 -			

Related Circuit Section

RECCKT	RDLCI	RVPI	RVCI
7 6	7 7	7 8	7 9

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5. CONFIRMATION NOTICE (CN) FORM CAMERA READY

V51
09/15

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Confirmation Notice

Administrative Section		CCNA	PON	VER	ASR NO	SPA	RT	INIT
ICSC	CD/TSENT			AP REP	AP REP TEL			
EMAIL								PIA
PROVINT	PROJECT		CNO	APP	SRN			
DLRD	CDLRD	PTD	DD	NFR	NFRFT	EBD	BAN	
SWC	SC	EC VER	SELOC	FDLRD	FCDLRD	FPTD	FDD	
CIWBAN	ECSPC		FNI	RTI	RTI		ESP	
FDT	CB TEL NO	CBPC	LAG-ID					
REMARKS								
ECCKT				NHN	REF NUM			
FCKT				HBAN	NK			
CKR				ACCESS ORD				
CKR1				LEGNUM	TRN	TCIC		
ORD	FORD		CRO	ASG	SSWC			
TSC	TRKQTY	DTN	ACCESS-CKT					
							PG	OF

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5. CONFIRMATION NOTICE (CN) FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

Confirmation Notice Form (continued)

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO	SPA	RT	INIT
ICSC	CD/TSENT			AP REP	AP REP TEL		PROV INT	
ECCKT						NHN	REF NUM	
FCKT						HBAN		NK
CKR						LEGNUM	TRN	TCIC
CKR1								
ORD		FORD		CRO		ASG	SSWC	
TSC	TRKQTY	DTN	ACCESS-CKT					PG OF
ECCKT					NHN	REF NUM		
FCKT					HBAN		NK	
CKR					LEGNUM	TRN	TCIC	
CKR1								
ORD		FORD		CRO		ASG	SSWC	
TSC	TRKQTY	DTN	ACCESS-CKT					PG OF

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5. CONFIRMATION NOTICE (CN) FORM CAMERA READY (continued)

(Insert Your Company Logo Here)

Confirmation Notice Form (Virtual Connection)

V51
09/15

Administrative

CCNA PON VER ASR NO

Virtual Circuit Section

VC ID VC ORD

VC CKR

VC 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 RVCI

Virtual Circuit Section

VC ID

VC CKR

VC 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 RVCI

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ATIS STANDARD

ATIS-0404012-0051

**Ports Configuration (PC) Form
Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404012-0051
Ports Configuration (PC) Form Preparation Guide - Access Service Ordering Guidelines
(ASOG)

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POR TS CONFIGURATION (PC) FORM
PREPARATION GUIDE

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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.

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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.

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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:

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:

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 = ESCONTM
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 = ETRTM 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 = FICONTM 1 Gbps
AY = FICON 2.125 Gbps
AZ = Flexible Rate SONET
BA = ISCTM 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

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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 ATIS-0300231/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

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4. PORTS CONFIGURATION (PC) FORM NUMBERED

(Insert Your Company Logo Here)

PORTS Configuration Form

V51
09/15

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5. PORTS CONFIGURATION (PC) FORM CAMERA READY

(Insert Your Company Logo Here)

PORTS Configuration Form

V51
09/15

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ATIS STANDARD

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**End User Special Access (EUSA) Form
Preparation Guide**

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

Version 51



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End User Special Access (EUSA) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

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END USER SPECIAL ACCESS REQUEST
PREPARATION GUIDE

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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.

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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:

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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange. 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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)

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:

1st 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

2nd 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:

3rd 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: |S|

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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 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 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. MSFS – Maximum Service Frame Size

Indicates the Maximum Service Frame Size (in bytes) allowed at the UNI/ENNI.

NOTE 1: More information regarding this field can be found in the MEF Technical Specification MEF 10.3 and 26.1.

NOTE 2: This attribute may be specified by the provider as part of their product offering.

VALID ENTRIES:

Maximum Frame Size Value (numeric value expressed in bytes)

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is “E”, otherwise prohibited.

DATA CHARACTERISTICS: 5 numeric characters

EXAMPLE: | 1 | 5 | 2 | 6 |

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

23. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

24. 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange.

USAGE: This field is conditional.

NOTE 1: Required when the LAG field on the ASR Form is “E”, otherwise optional.

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 10.3 and 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 |

A horizontal line with vertical tick marks at regular intervals, representing a scale or timeline.

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.

37. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

39. 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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).

41. 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

EXAMPLES: | 1 | 0 | 1 | / | T | 1 | / | 3 | / | B | S | T | N | M | A | G | T | C | G | 0 |

| / | B | S | T | N | M | A | T | C | G | O | | | | | | | | |

U U U

| 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| | | | |

1

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: 1

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).

44. 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

44. 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).

45. 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: 4

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.

46. **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 |
| 1 | 0 | / | O | K | L | D | C | A | 0 | 3 | / | O | K | L | D | C | A | 0 | 3 |
| | | | | | | | | | | | | | | | | |

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.

48. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

52. 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).

52. 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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).

54. 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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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|
|1|0| / |O|K|L|D|C|A|0|3| / |O|K|L|D|C|A|0|3|
| | | | | | | | | | | | | | | |

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).

59. 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

59. 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).

60. 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:

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.

61. 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.

62. 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: R

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

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									

3.5 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
MSFS	21	Maximum Service Frame Size
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

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
VER	3	Version Identification
WACD1	35	Work Authorization Circuit Detail 1
WACD2	36	Work Authorization Circuit Detail 2

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4. END USER SPECIAL ACCESS REQUEST (EUSA) FORM NUMBERED

(Insert Your Company Logo Here)

End User Special Access Request

V51
09/15

Administrative Section	CCNA [1]	PON [2]	VER [3]	ASR NO [4]																	
Circuit Detail Section																					
NC [5]	NCI [6]	TLV [7]			SECTLV [8]	SECNCI [9]			PQPR [10]	QPR [11]											
SR [12]	SSS [13]	TRF [14]	HVP [15]	MST [16]	CKLT [17]	NSL [18]	L2CPP [19]					L2CP-ADDR [20]	MSFS [21]								
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GETO [48]	GBTN [49]	-	-	GCN [50]			GTEL [51]				-	-	-								
Secondary Location Section																					
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SMUXLOC [57]	SCCEA [58]																				
S25 [59]	ER [60]	OTC [61]	GETO [62]	GBTN [63]	-	-	GCN [64]					GTEL [65]	-	-	-						
REMARKS																					
[66]																					

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5. END USER SPECIAL ACCESS REQUEST (EUSA) FORM CAMERA READY

(Insert Your Company Logo Here)

End User Special Access Request

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO						
Circuit Detail Section											
NC	NCI	TLV	SECTLV	SECNCI	PQPR	QPR					
SR	SSS	TRF	HVP	MST	CKLT	NSL	L2CPP	L2CP-ADDR	MSFS		
MUXLOC	PRI ADM			SEC ADM		NVC	PSPEED	LMP	NU	BSC	ETET
CTX TEL	CTX LSTD NM					LAG-ID					LAG-P
WACD1				WACD2							
DIV CKT				DIV PON							
Primary Location Section											
PRILOC	CFAU	CFA			DIR	CPT					
S25	ER	OTC	CCEA								
GETO	GBTN		GCON		GTEL						
Secondary Location Section											
SECLOC	CFAU	CFA			SDIR	SFNI					
SMUXLOC	SCCEA										
S25	ER	OTC	GETO	GBTN	GCON		GTEL				
REMARKS											

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ATIS STANDARD

ATIS-0404014-0051

**End Office Detail (EOD) Form
Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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(ASOG)

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END OFFICE DETAIL (EOD)
PREPARATION GUIDE

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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.

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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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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: C

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 ATIS-0300253Identification of Location Entities for Information Exchange. 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
F	A	R	E	M	A	R	K						

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

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4. END OFFICE DETAIL (EOD) FORM NUMBERED

(Insert Your Company Logo Here)

End Office Detail

V51
09/15

Administrative Section

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5. END OFFICE DETAIL (EOD) FORM CAMERA READY

(Insert Your Company Logo Here)

End Office Detail

V51
09/15

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	<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"/> <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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
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7	<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"/> <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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
8	<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"/> <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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
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11	<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"/> <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"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
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ATIS STANDARD

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**Service Address Location Information (SALI)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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Service Address Location Information (SALI) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

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SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM
PREPARATION GUIDE

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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.

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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
- Private Internet Protocol Request
- Dedicated Internet Service Request

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.

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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: Required when the EU field on the ASR Form is "Y".

NOTE 4: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE:

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: Required when the EU field on the ASR Form is “Y”.

NOTE 6: 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 7: 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: Optional when the EU field on the ASR Form is “Y”.

NOTE 4: 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 “D”, “P”, “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| |

||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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: |S|T|E|

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: B|2

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:

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. OFC – Optical Fiber Connector

Identifies the connection type for the fiber strand into the equipment for an optical hand-off at service address location.

USAGE: This field is conditional.

NOTE 1: Optional when the JS field is “D” or blank, PI field is Y, and the NCI field on the service specific form specifies an optical hand-off.

NOTE 2: Optional when the JS field is “D” or blank, PI field is blank, and the SECNCI field on the service specific form specifies an optical hand-off.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 15 alpha/numeric characters

EXAMPLES:

L	C													
---	---	--	--	--	--	--	--	--	--	--	--	--	--	--

F	-	3	0	0	0									
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--

35. 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:

36. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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. 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			
---	---	---	---	---	---	---	---	--	--	--

37. 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

38. 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.

38. 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| | | | |

39. 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
---	---	---	---

 -

--	--	--	--

40. 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| - | | | | |**

41. 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|

42. 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|#

43. 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

EXAMPLE: |Z|J|O|N|E|S|@|N|O|T|E|S|.|B|E|L|L|C|O|M|

44. 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| | | | | |

45. 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	-				
---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

46. 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 - | | | |

47. 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|

48. 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 | | | | | | | | | | | |

49. 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	40	Alternate Access Telephone Number
AAI	27	Additional Address Information
AALCON TEL	46	Additional Alternate Local Contact Telephone Number
ACC	48	Access Information
ACPGN	41	Access Pager Number
ACPPN	42	Access Pager PIN Number
ACTEL	39	Access Telephone Number
AFT	9	Address Format Type
ALCON	44	Alternate Local Contact
ALCON EMAIL	47	Alternate Local Contact Electronic Mail Address
ALCON TEL	45	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	37	ICO Location
JK CODE	28	Jack Code
JK NUM	29	Jack Number
JK POS	30	Jack Position
JS	31	Jack Status
LCON	38	Local Contact
LCON EMAIL	43	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
OFC	34	Optical Fiber Connector
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	35	Secondary Point of Termination Indicator
SMJK	32	Smart Jack
SPOT	36	Secondary Location Point of Termination
STATE	25	State/Province
VER	3	Version Identification
WKTEL	49	Working Telephone Number
ZIP	26	ZIP/Postal Code

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4. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM NUMBERED

(Insert Your Company Logo Here)

Service Address Location Information Form

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	

Address Detail Section

REF NUM	PI	EUNAME	AFT	NCON	SAPR	SANO	SASF	SASD	
6	7	8	9	10	11	12	13	14	
SASN							SATH	SASS	
15							16	17	
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	OFC	SI	SPOT	ICOL
28	29	30	31	32	33	34	35	36	37
LCON	ACTEL				AACTEL				ACPN
38	39				40				42
LCON EMAIL									
43									
ALCON	ALCON TEL				AALCON TEL				
44	45				46				
ALCON EMAIL									
47									
ACC					WKTEL				
48					49				

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5. SERVICE ADDRESS LOCATION INFORMATION (SALI) FORM CAMERA READY

(Insert Your Company Logo Here)

Service Address Location Information Form

V51
09/15

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	OFC	SI	SPOT	ICOL
LCON	ACTEL			AACTEL			ACPGN		ACPPN
LCON EMAIL									
ALCON	ALCON TEL			AALCON TEL					
ALCON EMAIL									
ACC						WKTEL			

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ATIS STANDARD

ATIS-0404016-0051

**Ethernet Virtual Connection (EVC) Form
Preparation Guide**

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

Version 51



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.

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ETHERNET VIRTUAL CONNECTION FORM PREPARATION GUIDE

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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.

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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 ¹	N, C, D, K	N, C, D, K
D	D, K	
R	R, K	
M	Not Allowed	Not Allowed
T	Not Allowed	Not Allowed

2.4 The EVC Form and the Permanent Virtual Connection (PVC) Form (Practice 028) are mutually exclusive for the life of the ASR.

¹ Activity of C is not applicable for a combination request.

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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:

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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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” and the first position of the REQTYP field on the ASR Form is “S” or “E”, the value of “01” is not valid.

NOTE 2: When the first position of the REQTYP field on the ASR Form is “P”, the only valid values are “01” and “02”. Valid value of “02” would only be used when moving from one port to another port.

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).

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 MEF Technical Specification MEF 10.3 and MEF 26.1.

VALID ENTRIES:

EVC Maximum Frame Size Value (numeric value expressed in bytes)

NOTE 1: The value of the EVC/OVC Maximum Service Frame Size must be less than or equal to the smallest of the UNI/ENNI 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 MEF Technical Specification MEF 10.3 and MEF 26.1.

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 MEF Technical Specification MEF 10.3 and MEF 26.1.

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 | | | | | | | | | |

14. EPS – Egress Profile Selection

Identifies the traffic allocation exiting the Provider Edge (PE) device and being delivered to the customer's router.

NOTE 1: Valid entries are based on provider practices/negotiations.

NOTE 2: Valid entries will be either a unique set of percentages or a value that represents a unique set of percentages dedicated to each class of service.

USAGE: This field is conditional.

NOTE 1: Optional when the first position of the REQTYP field on the ASR Form is "P" and the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

DATA CHARACTERISTICS: 30 alpha/numeric characters

EXAMPLES: | G | 7 | | | | | | | | | | | | | |

|6|0|%|B|T| |8|0|/|0|/|1

|6|0%|R|T|,|8|0|/|0|/|1|0|/|0| | | |

[View Details](#) | [Edit](#) | [Delete](#)

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.

15. 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

16. 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:

17. 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:

18. 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:

19. 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| | | | | | | | | | | | | | | | |

20. 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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.

20. 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| | | | | | |

21. **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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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. 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: |M|I|L|N|T|N|M|A|6|8|6|

|M|I|L|N|T|N|M|A| | | |

22. 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 MEF Technical Specification MEF 10.3 and MEF 26.1.

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.

22. 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:

23. 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 | | |

24. 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: R

25. **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:

26. 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.

26. 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|

27. **EVCMPID – EVC Meet Point ID**

Specifies the physical facility ID interconnecting the two service providers in an EVC meet point configuration.

NOTE 1: MEF 26.1 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 26.1 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 26.1 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.

27. 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 | | | | | | | | | | | | | | | |

28. 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 ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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 EVCMPID field is populated, otherwise prohibited.

28. 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
---	---	---	---

29. ASN – Autonomous System Number

Indicates the unique number identifying the customer Internet network ordering the Border Gateway Protocol (BGP) routing.

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
---	---	---	---	---

30. VPN-ACT – Virtual Private Network Identifier Activity

Identifies the activity requested for the VPN-ID or VPN-NM.

VALID ENTRIES:

N = New
D = Disconnect
E = Retain Existing

NOTE 1: Entry of “N” shall be used when adding a new VPN-ID or VPN-NM. 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 or VPN-NM. 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 or VPN-NM that will be retained, otherwise existing VPN-ID or VPN-NM 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.

NOTE 2: Optional when the associated VPN-NM field is populated.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: |N|

31. 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, the associated VPN-NM field is not 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|

32. VPN-NM – Virtual Private Network Name

Indicates a unique name for the Virtual Private Network (VPN) that creates a secure network connection over a public network.

USAGE: This field is conditional.

NOTE 1: Required when the first position of the REQTYP field on the ASR Form is “P” and the UACT field is “N”, otherwise optional.

DATA CHARACTERISTICS: 30 alpha/numeric characters

EXAMPLE: |V|P|N| - |C|u|s| t|N|a|m|e| - |1| | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTE 1: This field must support mixed case characters.

33. 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.

33. VACT – Customer Edge Virtual Local Area Network Activity Indicator (continued)

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: N

34. 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)

34. 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.

35. 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:

36. 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: N

37. 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 MEF 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 | | | | | | | | | | | | | | | |

38. 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|

39. 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/OVC.

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.

40. **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				
---	---	---	--	--	--	--

41. 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|

42. 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		
---	---	---	---	---	---	--	--

43. 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
---	---	---	---	---	---	---

44. 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
---	---	---	---	---	---	---

45. 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
---	---	---	---	---	---	---

46. 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
--	--	---	---	---	---	---

47. 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 at the UNI endpoint.

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:

48. 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: E

49. 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

50. 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 $\boxed{}$ $\boxed{}$ 1 $\boxed{}$ of $\boxed{}$ $\boxed{2}$ $\boxed{0}$

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	29	Autonomous System Number
ASR NO	4	Access Service Request Number
AUNT	17	Associated UNI/NNI Termination
BCF-I	48	Bandwidth Coupling Flag (Ingress)
BDW	40	Bandwidth
BUM-FD	22	Broadcast, Unicast and Multicast Frame Delivery
CBS-I	44	Committed Burst Size (Ingress)
CCNA	1	Customer Carrier Name Abbreviation
CE-VLAN	34	Customer Edge Virtual Local Area Network
CEV-P	11	CE-VLAN Identification Preservation
CEV-CP	12	CE-VLAN Class of Service Preservation
CIR-I	43	Committed Information Rate (Ingress)
CMI-I	47	Color Mode Identifier (Ingress)
DSCP	41	Differentiated Services (DiffServ) Code Point
EBS-I	46	Excess Burst Size (Ingress)
EIR-I	45	Excess Information Rate (Ingress)
EI	16	ENNI Indicator
EPS	14	Egress Profile Selection
EVCID	7	Ethernet Virtual Connection Identifier
EVCCR	13	Ethernet Virtual Connection Customer Circuit Reference
EVCMPID	27	EVC Meet Point ID
EVC NUM	5	Ethernet Virtual Connection Reference Number
EVCSP	21	Ethernet Virtual Connection Switch Point
LOS	37	Level of Service Name
LOSACT	36	Level of Service Activity Indicator
LREF	35	Level of Service Reference Number
MSFS	10	Maximum Service Frame Size
NC	6	Network Channel Code

EVC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
NCI	20	Network Channel Interface Code
NUT	8	Number of UNI Terminations
OTC	28	Other Exchange Company (Terminating) (EVC)
P-BIT	39	Priority Bit
PG_of_	50	Page_of_
PON	2	Purchase Order Number
R/L	24	Root/Leaf
REMARKS	49	Remarks
RPON	19	Related Purchase Order Number
RUID	23	Related UNI Identifier
SPEC	38	Service and Product Enhancement Code
S-VACT	25	Service Virtual Local Area Network Activity
S-VLAN	26	Service Virtual Local Area Network
SVP	9	S-VLAN ID Preservation
TOS	42	Type of Service
UACT	18	User Network Interface (UNI) Activity Indicator
UREF	15	User Network Interface (UNI) Reference Number
VACT	33	Customer Edge Virtual Local Area Network Activity Indicator
VER	3	Version Identification
VPN-ACT	30	Virtual Private Network Identifier Activity
VPN-ID	31	Virtual Private Network Identifier
VPN-NM	32	Virtual Private Network Name

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4. ETHERNET VIRTUAL CONNECTION (EVC) FORM NUMBERED

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Ethernet Virtual Connection

V51
09/15

Administrative Section		CCNA 1	PON 2	VER 3	ASR NO 4																																																				
Ethernet Virtual Connection Detail																																																									
EVC NUM 5	NC 6	EVCID 7					NUT 8	SVP 9	MSFS 10	CEV-P 11	CEV-CP 12																																														
EV CCKR 13																																																									
EPS 14																																																									
UNI Mapping Detail Section																																																									
UREF 15	EI 16	AUNT 17	UACT 18	RPON 19	NCI 20			EV CSP 21			BUM-FD 22																																														
RUID 23	R/L 24			S-VACT 25	S-VLAN 26	-	S-VACT 25	S-VLAN 26	-	S-VACT 25	S-VLAN 26	-																																													
EV CMPID 27																																																									
ASN 29	VPN-ACT 30	VPN-ID 31	VPN-NM 32																																																						
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REMARKS

49													
PG 50 OF _____													

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4. ETHERNET VIRTUAL CONNECTION (EVC) FORM NUMBERED (continued)

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Ethernet Virtual Connection continued

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5. ETHERNET VIRTUAL CONNECTION (EVC) FORM CAMERA READY

(Insert Your Company Logo Here)

Ethernet Virtual Connection

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Ethernet Virtual Connection continued

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LREF	LOSACT	LOS			SPEC	P-BIT	BDW	DSCP	TOS												
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**Virtual Concatenation (VCAT) Form
Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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**VIRTUAL CONCATENATION (VCAT) FORM
PREPARATION GUIDE**

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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.

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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.

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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:

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							
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--	--	--	--	--

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 $\lfloor\rfloor$ 1 $\lfloor\rfloor$ of $\lfloor\rfloor$ 1 $\lfloor\rfloor$ 3 $\lfloor\rfloor$

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

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4. VIRTUAL CONCATENATION (VCAT) FORM NUMBERED

(Insert Your Company Logo Here)

Virtual Concatenation Form

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	6

Circuit Detail

REFNUM
6

(01-08) CFA-CTS DIR
7 13 7 13 7 13 7 13 7 13 7 13 7 13 7 13 7 13

(09-16) DIR DIR

(17-24) DIR DIR

(25-32) DIR DIR

(33-40) DIR DIR

(41-48) DIR DIR

(01-08) SCFA-CTS DIR
8 13 8 13 8 13 8 13 8 13 8 13 8 13 8 13

(09-16) DIR DIR

(17-24) DIR DIR

(25-32) DIR DIR

(33-40) DIR DIR

(41-48) DIR DIR

(01-08) ICFA1-CTS DIR
9 13 9 13 9 13 9 13 9 13 9 13 9 13

(09-16) DIR DIR

(17-24) DIR DIR

(25-32) DIR DIR

(33-40) DIR DIR

(41-48) DIR DIR

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4. VIRTUAL CONCATENATION (VCAT) FORM NUMBERED (continued)

(Insert Your Company Logo Here)

Virtual Concatenation Form (continued)

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	6

Circuit Detail

REFNUM																
6																
(01-08)	ICFA2-CTS	DIR														
	1 0	13	1 0	13	1 0	13	1 0	13	1 0	13	1 0	13	1 0	13	1 0	13
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
(01-08)	ICFA3-CTS	DIR														
	1 1	13	1 1	13	1 1	13	1 1	13	1 1	13	1 1	13	1 1	13	1 1	13
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																
(01-08)	ICFA4-CTS	DIR														
	1 2	13	1 2	13	1 2	13	1 2	13	1 2	13	1 2	13	1 2	13	1 2	13
(09-16)																
(17-24)																
(25-32)																
(33-40)																
(41-48)																

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5. VIRTUAL CONCATENATION (VCAT) FORM CAMERA READY

V51
09/15

(Insert Your Company Logo Here)

Virtual Concatenation Form

Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Circuit Detail

REFNUM

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5. VIRTUAL CONCATENATION (VCAT) FORM CAMERA READY (continued)

V51
09/15

(Insert Your Company Logo Here)

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)	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]

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ATIS STANDARD

ATIS-0404018-0051

**Multiple Exchange Company (Multi EC)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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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)

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MULTI-EC FORM PREPARATION GUIDE

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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.

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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.

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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: [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 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:

1	2	3		
---	---	---	--	--

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. OECNUM – 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														
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

C	D	S	-	1	2	3	4	5	6	-	0	0	1	6	-	U	T	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--

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											
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

C	1	2	3	4	5											
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

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:

1	2	3			
---	---	---	--	--	--

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

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4. MULTI-EC FORM NUMBERED

(Insert Your Company Logo Here)

Multi-EC

V51
09/15

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

Promotional Contract Section

ICSC	OECNUM	OECPSD
1	10	11
2		
3		

Other Exchange Company Detail Section

ICSC	OECACT	BAN	HBAN	OECVTA	ASG
1	13	14	15	16	17
2					
3					
4					
5					
6					
7					
8					
9					

PG
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5. MULTI-EC FORM CAMERA READY

V51
09/15

(Insert Your Company Logo Here)

Multi-EC

Administrative Section

CCNA	PON	VER	ASR NO
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Access Service Coordination Company Detail Section

ICSC	BAN	HBAN	ASR NO	ASG
1 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Promotional Contract Section

ICSC	OECNUM	OECPSD
1 [REDACTED]	[REDACTED]	[REDACTED]
2 [REDACTED]	[REDACTED]	[REDACTED]
3 [REDACTED]	[REDACTED]	[REDACTED]

Other Exchange Company Detail Section

ICSC	OECACT	BAN	HBAN	OECVTA	ASG
1 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
2 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9 [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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[REDACTED] [REDACTED]

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ATIS STANDARD

ATIS-0404019-0051

**Translation Questionnaire (TQ) Form
Preparation Guide**

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

Version 51



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ATIS – 0404019-0051

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)

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TRANSLATION QUESTIONNAIRE FORM
PREPARATION GUIDE

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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.

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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:

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: 1|0

4|

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:

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

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
18XXNXXXXXXX	= 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	9	7	2	3	3	4	2	1	1	2											
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

--	--

NOTE 1: The above example is for an Operator Dialed Domestic test number.

0	1	5	2	5	2	2	3	5	1	7											
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

--	--

0	1	6	7	2	1	1	7	5	9	4	4	0	2	4	7	9					
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

--	--

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

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 |

NETWORK

1

M I L L I W A T T T O N E

1

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: |N|

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: N

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:

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	B	C								
LINE/CLASS		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

EXAMPLE: |O|P|E|N| |N|E|W| |N|X|X| |C|O|D|E|S| |A|

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:

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|

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 31 32 33 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

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1

M I L L I W A T T T O N E

1

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|

[View Details](#) | [Edit](#) | [Delete](#)

1

MILLIWATT TONE

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

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4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED

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Translation Questionnaire

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Administrative Section				CCNA 1	PON 2	VER 3	ASR NO 4
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Common Section				TECH CON 5	TEL NO 6				
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REF 7	TG ACT 8	TG TYP 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			

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Translation Questionnaire (continued)

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Administrative Section CCNA PON VER ASR NO

1	2	3	4
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Testing Section

TTEST TN TTEST RESP

3 6	-	3 7	-	15
-----	---	-----	---	----

ATTEST TN

3 8	15
-----	----

ATTEST RESP

3 9	15
-----	----

ATTEST TN

3 8	15
-----	----

ATTEST RESP

3 9	15
-----	----

ATTEST TN

3 8	15
-----	----

ATTEST RESP

3 9	15
-----	----

ATTEST TN

3 8	15
-----	----

ATTEST RESP

3 9	15
-----	----

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5 | 3 |

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Translation Questionnaire (continued)

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4. TRANSLATION QUESTIONNAIRE (TQ) FORM NUMBERED (continued)

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Translation Questionnaire (continued)

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Administrative Section

SAC ACT SAC APON TEST TN
58 59 60 61

TEST TM
6 | 1 |

TEST RESPONSE

6 3

SAC ACT SAC APON TEST TN
58 59 60 61

TEST TM
6 | 1 |

TEST RESPONSE

6 3

PG OF
| 7 | 3 | | |

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Translation Questionnaire (continued)

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Administrative Section	CCNA 1	PON 2	VER 3	ASR NO 4	
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Interconnection/STP Translation Routing

C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						
C.NPA/NXX 7 1	LRN 7 2						

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5. TRANSLATION QUESTIONNAIRE (TQ) FORM CAMERA READY

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Translation Questionnaire

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Common Section		TECH CON	TEL NO	<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"/>									

REF	TG ACT	TGTYP	TSC	APON			DIR	ANI	DA ACC	TK SEQ	GLARE	TEST ANI	TK SIG	SAC NON	O-T	OVLP	CTO	OSAC	NDO	CSP	CPN	CIP	VSC
A																							
B																							
C																							
D																							

REF	FACT	ALT REF	FACT	950-XXXX	FACT	950-XXXX	FACT	950-XXXX
A								
B								
C								
D								

REF	BRAND	ANNC	CCW
A			
B			
C			
D			

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Translation Questionnaire (continued)

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Administrative Section

CCNA PON VER ASR NO

Testing Section

TTEST TN TTEST RESP

ATTEST TN

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ATTEST RESP

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Translation Questionnaire (continued)

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Administrative Section		CCNA	PON	VER	ASR NO																																																							
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Translation Questionnaire (continued)

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Translation Questionnaire (continued)

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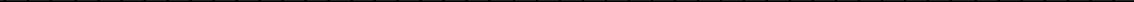
Administrative Section

CCNA PON VER ASR NO

The diagram consists of a grid of 10 columns and 10 rows of small squares. The first column has labels 'SAC ACT' and 'NXN' above it. The second column has a label 'SAC' above it. The third column has a label 'APON' above it. The fourth through tenth columns have a label 'TEST TN' above them.

TEST RESPONSE

TEST RESPONSE



PG OF

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Administrative Section

CCNA PON VER ASR NO

VER ASR N

Interconnection/STP Translation Routing

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ATIS STANDARD

ATIS-0404021-0051

**Ring Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404021-0051
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)

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RING FORM
PREPARATION GUIDE

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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.

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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.

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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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

1st 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

2nd 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)

3rd 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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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

EXAMPLES:

A	2	4																
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

A	3	0	0	,	B	3	6											
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

C	3	,	D	3	,	A	1	5	0	,	B	1	8					
---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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|O|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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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											

G	R	O	U	P											
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

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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

V51
09/15

Administrative Section CCNA PON VER ASR NO
1 | 2 | 3 | 4 |

Circuit Detail

NC NCI SR SECNCI PORTS PQPR
| 5 | | 6 | | 7 | | 8 | | 9 | | 10 |

CFA

SEGACT INCH RMP NMO SPEC
[12] [13] [14] [15] [16] [17] [18] [19] [20]

Primary Location Section

PRILOC SPOT PNO OTC NID
| 1 | 7 | | 1 | 8 | | 1 | 9 | | 2 | 0 | | 2 | 1 |

Secondary Location Section

SECLOC SPOT PNO
22 23 24

REMARKS

25 |

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5. RING FORM CAMERA READY

(Insert Your Company Logo Here)

Ring

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO
Circuit Detail				
NC	NCI	SR	SECNCI	PORTS
CFA				
SEGACT	INCH	RMP	NMO	SPEC
Primary Location Section				
PRILOC	SPOT	PNO	OTC	NID
Secondary Location Section				
SECLOC	SPOT	PNO		
REMARKS				

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ATIS STANDARD

ATIS-0404022-0051

**Additional Ring Information (ARI) Form
Preparation Guide**

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

Version 51



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.

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ATIS – 0404022-0051
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)

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ADDITIONAL RING INFORMATION (ARI) FORM
PREPARATION GUIDE

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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.

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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

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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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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:

1st 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

2nd 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

3rd 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:

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 ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange 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

EXAMPLES:

A	2	4																
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

A	3	0	0	,	B	3	6											
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

C	3	,	D	3	,	A	1	5	0	,	B	1	8					
---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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:

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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</u>	<u>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|O|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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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: 02

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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:

PREFIX	FOLLOWED BY	DESCRIPTION
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|O|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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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

EXAMPLE: |D| I |S|C| |O|F| |F|I|R|S|T| |C|K|T| |I|N|

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

V51
09/15

(Insert Your Company Logo Here)

Additional Ring Information

Administrative Section		CCNA 1	PON 2	VER 3	ASR NO 4													
Circuit Detail																		
REF NUM 5	NC 6	NCI 7	SR 8	SECNCI 9	PORTS 10											PQPR 11		
CFA 12											SEGACT 13	INCH 14	NMO 15	SPEC 16				
ECKT 17																		
CKR 18																		
Primary Location Section																		
PRILOC 19	SPOT 20	NID 21	OTC 22															
Secondary Location Section																		
SECLOC 23	SPOT 24													PNO 25				
REMARKS																		
26																		

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5. ADDITIONAL RING INFORMATION (ARI) FORM CAMERA READY

(Insert Your Company Logo Here)

Additional Ring Information

V51
09/15

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ATIS STANDARD

ATIS-0404023-0051

**Virtual Connection (VC) Form
Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404023-0051
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)

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VIRTUAL CONNECTION FORM
PREPARATION GUIDE

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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.

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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"

N	N, K
C	N, C, D, K
M	if UNI, "C" or "R"
D	D
R	R
T	if UNI, "C" or "N"

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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:

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:

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_e** - Excess Burst Size

Identifies the maximum amount of data that a user is permitted to offer to the network that exceeds B_c during time interval (T_c) 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: 800

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:

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| | | | | | | | | | | | | | | | |

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 |

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| | |

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 $\boxed{}$ $\boxed{}$ 1 $\boxed{}$ of $\boxed{}$ 9 $\boxed{0}$

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

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4. VIRTUAL CONNECTION (VC) FORM NUMBERED

(Insert Your Company Logo Here)

Virtual Connection

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO
	1 1	2 2	3 3	4 4
Virtual Circuit Detail Section				
VC NUM	VC ACT	VST	DLCI	CIR
5 5	6 6	7 7	8 8	9 9
Bc				Be
1 0				1 1
PSPEED				SCCT
1 2				1 3
PCR				PCR
1 4				1 5
MCR	MBS	CTYP	VPI	VCI
1 6	1 7	1 8	1 9	2 0
IBS				IBS
2 1				2 2
QIBS				VCID
2 2				2 3
VPID				CDVT
2 4				2 5
CDV				2 6
				TAG
				2 8
CDOM		CPER		VCVTA
3 1		3 2		3 3
ITPW				EP
3 3				RPID
3 30				2 29
Related Circuit Detail Section				
RPON	RECCKT			
3 4	3 5			
RORD	RDLCI	RCIR	RBC	RBe
3 6	3 7	3 8	3 9	4 0
RACNA	RPSPEED			RSCCT
4 1	4 2			4 3
RPCR				4 4
RSCR	RMCR	RMBS	RVPI	RVCI
4 5	4 6	4 7	4 8	4 9
RCDVT	REP	RCDV		
5 0	5 1	5 2		
				EP
				#
				#
Virtual Circuit Detail Section				
VC NUM	VC ACT	VST	DLCI	CIR
5 5	6 6	7 7	8 8	9 9
Bc				Be
1 0				1 1
PSPEED				SCCT
1 2				1 3
PCR				PCR
1 4				1 5
MCR	MBS	CTYP	VPI	VCI
1 6	1 7	1 8	1 9	2 0
IBS				IBS
2 1				2 2
QIBS				VCID
2 2				2 3
VPID				CDVT
2 4				2 5
CDV				2 6
				TAG
				2 8
CDOM		CPER		VCVTA
3 1		3 2		3 3
ITPW				EP
3 3				#
3 3				#
Related Circuit Detail Section				
RPON	RECCKT			
3 4	3 5			
RORD	RDLCI	RCIR	RBC	RBe
3 6	3 7	3 8	3 9	4 0
RACNA	RPSPEED			RSCCT
4 1	4 2			4 3
RPCR				4 4
RSCR	RMCR	RMBS	RVPI	RVCI
4 5	4 6	4 7	4 8	4 9
RCDVT	REP	RCDV		
5 0	5 1	5 2		
				EP
				#
				#

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5. VIRTUAL CONNECTION (VC) FORM CAMERA READY

(Insert Your Company Logo Here)

Virtual Connection

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO										
Virtual Circuit Detail Section															
VC NUM	VC ACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR					
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID								
VPID				CDVT	CDV		TAG	VCVTA			EP	RPID			
CDOM		OPER			ITPW										
Related Circuit Detail Section															
RPON		REOCKT													
RORD		RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR						
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV								
Virtual Circuit Detail Section															
VC NUM	VC ACT	VST	DLCI	CIR	Bc	Be	PSPEED	SCCT	PCR	SCR					
MCR	MBS	CTYP	VPI	VCI	IBS	QIBS	VCID								
VPID				CDVT	CDV		TAG	VCVTA			EP	RPID			
CDOM		OPER		ITPW											
Related Circuit Detail Section															
RPON		REOCKT													
RORD		RDLCI	RCIR	RBC	RBe	RACNA	RPSPEED	RSCCT	RPCR						
RSCR	RMCR	RMBS	RVPI	RVCI	RCDVT	REP	RCDV								
REMARKS															
PG	OF														

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ATIS STANDARD

ATIS-0404024-0051

**Network Assignment Information (NAI)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404024-0051
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)

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NETWORK ASSIGNMENT INFORMATION (NAI) FORM
PREPARATION GUIDE

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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.

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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.

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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:

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 ATIS-0300253, Identification of Location Entities for Information Exchange. 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 9th, 10th and 11th 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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

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.

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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 |

| 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

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:

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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 | 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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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 | | | | | | | | |

A small black L-shaped bracket symbol, likely used as a placeholder or a specific notation in the document.

| 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.

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 ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange. 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

| 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.

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

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4. NETWORK ASSIGNMENT INFORMATION FORM NUMBERED

(Insert Your Company Logo Here)

Network Assignment Information Form

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO	PG	OF
1	2	3	4	5	6

Alternate Service Detail Section

AFACTL	ACFA
6	7

Circuit Detail Section

REF NUM
8

DPEAA	ICFAU1	DIR1	VTIA	FNIA
9	16	17	10	11
DPEAZ	ICFAU2	DIR2	VTIZ	FNIZ
12	20	21	13	14
ICFA1	ICFAU3	DIR3	IFNI1	
15	24	25	18	
ICFA2	ICFAU4	DIR4	IFNI2	
19	28	29	22	
ICFA3			IFNI3	
23			26	
ICFA4			IFNI4	
27			30	

REF NUM
8

DPEAA	ICFAU1	DIR1	VTIA	FNIA
9	16	17	10	11
DPEAZ	ICFAU2	DIR2	VTIZ	FNIZ
12	20	21	13	14
ICFA1	ICFAU3	DIR3	IFNI1	
15	24	25	18	
ICFA2	ICFAU4	DIR4	IFNI2	
19	28	29	22	
ICFA3			IFNI3	
23			26	
ICFA4			IFNI4	
27			30	

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5. NETWORK ASSIGNMENT INFORMATION FORM CAMERA READY

(Insert Your Company Logo Here)

Network Assignment Information Form

V51
09/15

Administrative Section

CCNA PON VER ASR NO PG OF

Alternate Service Detail Section

The diagram illustrates two memory regions. The first region, labeled 'AFACTL', contains 16 vertical tick marks. The second region, labeled 'ACFA', contains 24 vertical tick marks.

Circuit Detail Section

REF NUM																		
DPEAA													VTIA	FNIA				
DPEAZ													VTIZ	FNIZ				
ICFA1													ICFAU1	DIR1	IFNI1			
ICFA2													ICFAU2	DIR2	IFNI2			
ICFA3													ICFAU3	DIR3	IFNI3			
ICFA4													ICFAU4	DIR4	IFNI4			

The diagram illustrates the hierarchical structure of components. At the top left is 'REF NUM' with four vertical bars. Below it are two horizontal lines labeled 'DPEAA' and 'DPEAZ', each with 20 vertical bars. To the right of these are two groups of components: 'VTIA' and 'FNIA' (top row) and 'VTIZ' and 'FNIZ' (bottom row). Below these are four groups of components: 'ICFAU1', 'DIR1', 'IFNI1'; 'ICFAU2', 'DIR2', 'IFNI2'; 'ICFAU3', 'DIR3', 'IFNI3'; and 'ICFAU4', 'DIR4', 'IFNI4'. Each group consists of three vertical bars.

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ATIS STANDARD

ATIS-0404025-0051

**Enhanced Customer Interface (ECI)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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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)

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COMPANY SPECIFIC ECI ACCESS SERVICE REQUEST FORM &
COMPANY SPECIFIC ECI ACCESS SERVICE
CONFIRMATION FORM PREPARATION GUIDE

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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.

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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-0404025-0051

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-0404025-0051) 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| | | | | | |

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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: UA

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

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)

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

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 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:

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: 1234

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 toggable 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

USLRTM = Engineering controlled splice 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: UNBSBF

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 Address
EMAIL		
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|

| 4 | 5 | 3 | , | C | 2 | 4 | 8 | 0 | 5 | 2 | 3 | 4 | 5 | 6 | | | |

--	--	--	--	--	--	--

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: A

Positions 270 - 288

Requesting Company: SBC
Date Assigned: July 23rd, 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 15th, 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 26th, 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 26th, 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 26th, 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 26th, 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 26th, 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 26th, 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 2nd, 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

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:

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
---	---	---

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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
VPIOCD	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: 4

Positions 130-168

Requesting Company: Verizon
Date Assigned: July 2, 2014

IP ADDRESS – Internet Protocol Address

Identifies the Internet Protocol 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

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.

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 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| | |

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 28th, 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 28th, 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 10th, 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:

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	/	/	/	V	Z	N						
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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: |S|C

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:

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: G7

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:

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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

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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:

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| | | | | | |

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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:

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:

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
UUID = 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 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.

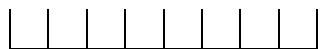
USAGE: This field is conditional.

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.

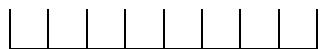
USAGE: This field is conditional.

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

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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

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11. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

IC/EC Specific Enhanced Access Service Request

V51
09/15

Administrative Section

CCNA	PON	VER	ASR NO
1	2	3	4

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12. IC/EC SPECIFIC ENHANCED ACCESS SERVICE REQUEST FORM CAMERA READY

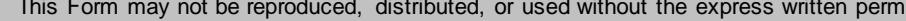
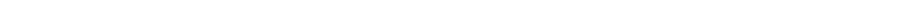
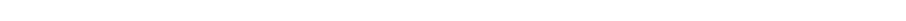
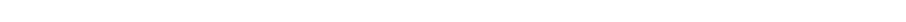
(Insert Your Company Logo Here)

IC/EC Specific Enhanced Access Service Request

V51
09/15

Administrative Section

CCNA PON VER ASR NO



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ATIS STANDARD

ATIS-0404026-0051

**Private Internet Protocol (PIP)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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.

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ATIS – 0404026-0051

Private Internet Protocol (PIP) 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)

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PRIVATE INTERNET PROTOCOL REQUEST
FORM PREPARATION GUIDE

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1. GENERAL

- 1.1. This guide describes the Private Internet Protocol (PIP) Form entries. The PIP 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 PIP Form are provided by the customer. The customer is defined as the individual or organization ordering the access service.
- 1.2. This is the first iteration of this new practice.
- 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.

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2. PIP 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 Private Internet Protocol service. An EVC Form (Practice 016) or PVC Form (Practice 028) would be used to specify the virtual connection (EVC/OVC/PVC) portion of a Private Internet Protocol 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

3. PRIVATE INTERNET PROTOCOL (PIP) FORM ENTRIES

The PIP 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 PIP 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 in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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|S|E|-|

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 in the American National Standard ATIS-0300233, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange. 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 in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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:

1st 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

2nd 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:

3rd 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. ACCTYP – Access Type

Identifies the bandwidth, access configuration and/or other type of characteristics at the customer premise as agreed to during pre-order negotiations.

USAGE: This field is optional.

DATA CHARACTERISTICS: 12 alpha/numeric characters

EXAMPLES: |E|A| |S|T|A|N|D|A|R|D| |

|O|F|F|-|N|E|T| | | | | | |

10. IPAI – Internet Protocol Address Identifier

Identifies the version of the Internet Routing Protocol within the network interface device at a host or end user location.

NOTE 1: This field shall be used by the provider to identify the IP routing protocol version in order to interpret the protocol data sent from the customer's equipment.

VALID ENTRIES:

4 = IPv4
6 = IPv6
M = IPv4 – mapped IPv6

USAGE: This field is optional.

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE: 4

11. **IPAI2 – Second Internet Protocol Address Identifier**

Identifies the version of the Second Internet Routing Protocol within the network interface device at a host or end user location when requesting dual stack capability with IPv4 and IPv6 enabled.

NOTE 1: This field shall be used by the provider to identify the IP routing protocol version in order to interpret the protocol data sent from the customer's equipment.

VALID ENTRIES:

4 = IPv4
6 = IPv6

NOTE 1: Valid entry of “4” is prohibited if IPAI field is “4”.

NOTE 2: Valid entry of “6” is prohibited if IPAI field is “6”.

USAGE: This field is conditional.

NOTE 1: Optional when the IPAI field is populated with “4” or “6”, otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE: **|6|**

12. EASBDW – Ethernet Access 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 the Ethernet access portion of a Private IP service.

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						
---	---	--	--	--	--	--	--

5	0	.	0	M			
---	---	---	---	---	--	--	--

13. 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 NC field does not specify an Ethernet-based port, Frame Relay encapsulation is being requested and the ACT field on the ASR Form is “N”.

NOTE 2: Optional when the NC field does not specify an Ethernet-based port, Frame Relay encapsulation is associated to the circuit and the ACT field on the ASR Form is “C”, “D”, “M” or “R”.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 numeric character

EXAMPLE: 3

14. **ROUTER** - Router Location

Identifies the CLLI Code of the customer's router at the primary location.

NOTE 1: The format and structure of this field is defined in the American National Standard, ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

14. ROUTER – Router Location (continued)

USAGE: This field is optional.

DATA CHARACTERISTICS: 11 alpha/numeric characters

EXAMPLE: L|S|A|N|C|A|M|C|0|0|W

15. **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 virtual circuit) profile(s) applied

NOTE 1: Use of this field is based on provider contracts and negotiations.

VALID ENTRIES:

S = Single (Per Physical Port Profile)
M = Multiple (Per Virtual Profile)

NOTE 1: A valid entry of “S” indicates that all virtual circuits associated with this port have a single shared Egress Profile.

NOTE 2: A valid entry of “M” indicates that each virtual circuit associated with this port has an independent Egress Profile.

USAGE: This field is conditional.

NOTE 1: Required when the ACT field on the ASR Form is “N” or “C” and ordering Multiple Virtual Routing and Forwarding (Multi-VRF) connections, otherwise optional.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: |S|

16. 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: Required 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| | | | | | | |

17. ACCESS-CKT – Access Circuit ID

Identifies the provider assigned access circuit ID against which the Private Internet Protocol Port service is requested.

NOTE 1: This field should be populated by the customer when ordering a port to an existing access circuit.

USAGE: This field is optional.

DATA CHARACTERISTICS: 42 alpha/numeric characters

EXAMPLE: |9|2| / |K|D|F|N| / |1|2|3|4|5|6| / | | / |O|B| | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |

|1|0|1| / |T|3| / |3| / |B|S|T|N|M|A|G|T|C|G|0|

| / |B|S|T|N|M|A|M|T|C|G|0| | | | | | | | | | | | | | | | | |

| | |

18. 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 primary location.

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|

19. GETO – General Exchange Tariff Options Code

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) associated to the primary location in conjunction with Private Internet Protocol 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.

19. 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

20. 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|

21. 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| | | | |

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

22. 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|

23. 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.

23. 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 “D”.

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 | | | | | | | | | | | | | | |

24. 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| | | | | | | | | | | | | | | | |

25. SECLOC – Secondary Location

Identifies the switching point, terminating equipment or terminating location, in CLLI code format, at the Port termination.

NOTE 1: When the ACT field on the ASR form is populated with “N”, SECLOC may be populated with a CLLI Code or left blank. The provider will determine the applicable CLLI Code for the switch/router.

NOTE 2: The format and structure of this field is defined in the American National Standard, ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

25. 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:

Valid Switching/Router 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: |M|I|L|N|T|N|M|A|6|8|6|

|M|I|L|N|T|N|M|A| | | |

26. 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 in the American National Standard ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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, otherwise prohibited.

DATA CHARACTERISTICS: 4 alpha/numeric characters

26. OTC - Other Exchange Company (continued)

EXAMPLES: |G|T|P|A|

|2|0|3|4|

|S|W|_|_|

|1|2|A|3|

27. **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											

3.3 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the Private Internet Protocol Form fields.

PIP FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACCESS-CKT	17	Access Circuit ID
ACCTYP	9	Access Type
ASR NO	4	Access Service Request Number
CCEA	18	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
DIVCKT	23	Diverse Circuit ID
DIVPON	24	Diverse Purchase Order Number
EASBDW	12	Ethernet Access Supplemental Bandwidth
ES	15	Egress Scheduler
GBTN	20	General Exchange Tariff Options Billing Telephone Number
GCON	21	GETO Contact Name
GETO	19	General Exchange Tariff Options Code
GTEL	22	General Exchange Tariff Options Contact Telephone Number
IPAI	10	Internet Protocol Address Identifier
IPAI2	11	Second Internet Protocol Address Identifier
LMP	13	Link Management Protocol
OTC	26	Other Exchange Company
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
PON	2	Purchase Order Number
PROFE	16	Profile Egress
REMARKS	27	Remarks
ROUTER	14	Router Location
SECLOC	25	Secondary Location
SECNCI	7	Secondary Network Channel Interface Code
SR	8	Special Routing Code
VER	3	Version Identification

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4. PRIVATE INTERNET PROTOCOL REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

Private Internet Protocol Request

V51
09/15

Administrative Section		CCNA 1 1	PON 2	VER 3	ASR NO 4										
Circuit Detail Section															
NC 5	NCI 6	SECNCI 7			SR 8	ACCTYP 9	IPA1 10 IPA12 11			EASBDW 12	LMP 13	ROUTER 14			
ES 15	PROFE 16	ACCESS-CKT 17													
CCEA 18															
GTO 19	GBTN 20	-	GCON 21				GTEL 22			-	DIV/PON 24	SECLOC 25	OTC 26		
DIV/CKT 23															

REMARKS

27													

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5. PRIVATE INTERNET PROTOCOL REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Private Internet Protocol Request

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO								
-------------------------------	------	-----	-----	--------	--	--	--	--	--	--	--	--

Circuit Detail Section									
-------------------------------	--	--	--	--	--	--	--	--	--

NC	NCI	SECNCI	SR	ACCTYP	IPA1	IPA12	EASBDW	LMP	ROUTER								
----	-----	--------	----	--------	------	-------	--------	-----	--------	--	--	--	--	--	--	--	--

ES	PROFE	ACCESS-CKT																	
----	-------	------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CCEA																			
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GETO	GBTN	GCN	GTEL																	
------	------	-----	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DIV/CKT	DIV/PON								SECLOC	OTC									
---------	---------	--	--	--	--	--	--	--	--------	-----	--	--	--	--	--	--	--	--	--

REMARKS

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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ATIS STANDARD

ATIS-0404027-0051

**Dedicated Internet Service (DIS)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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ATIS – 0404026-0051
Dedicated Internet Service (DIS) 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)

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DEDICATED INTERNET SERVICE REQUEST
FORM PREPARATION GUIDE

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1. GENERAL

- 1.1. This guide describes the Dedicated Internet Service (DIS) Form entries. The DIS 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 DIS Form are provided by the customer. The customer is defined as the individual or organization ordering the access service.
- 1.2. This is the first iteration of this new practice.
- 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.

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2. DIS FORM REQUEST DESCRIPTION

- 2.1 This form is used to order a User Network Interface (UNI)/ External Network to Network Interface (ENNI) for a Dedicated Internet 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

3. DEDICATED INTERNET SERVICE (DIS) FORM ENTRIES

The DIS 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 DIS 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 in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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|A|5|

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 in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange. 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 in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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:

1st 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

2nd 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:

3rd 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 the port portion of a Dedicated Internet service.

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	
---	---	---	---	---	---	---	--

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. EASBDW - Ethernet Access 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 the Ethernet access portion of a Dedicated Internet service.

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						
---	---	--	--	--	--	--	--

5	0	.	0	M			
---	---	---	---	---	--	--	--

11. ACCTYP - Access Type

Identifies the bandwidth, access configuration and/or other type of characteristics at the customer premise as agreed to during pre-order negotiations.

USAGE: This field is optional.

DATA CHARACTERISTICS: 12 alpha/numeric characters

EXAMPLES: |E|A| |S|T|A|N|D|A|R|D| |

|O|F|F|-|N|E|T| | | | | | |

12. 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 optional.

DATA CHARACTERISTICS: 24 alpha/numeric characters

EXAMPLE: |5|2| / |A|B|C|D| / |1|2|3|4|5|6| / | | / |X|X|



13. 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

14. **ROUTER** - Router Location

Identifies the CLLI Code of the customer's router at the primary location.

NOTE 1: The format and structure of this field is defined in the American National Standard, ATIS-0300253, Identification of Location Entities for Information Exchange. 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).

14. ROUTER – Router Location (continued)

USAGE: This field is optional.

DATA CHARACTERISTICS: 11 alpha/numeric characters

EXAMPLE: L|S|A|N|C|A|M|C|0|0|W

15. 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 optional.

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| | | | | | |

16. ASN - Autonomous System Number

Indicates the unique number identifying the customer Internet network ordering the Border Gateway Protocol (BGP) routing.

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: Optional when ordering BGP, otherwise prohibited.

DATA CHARACTERISTICS: 10 numeric characters

EXAMPLES:

4									
---	--	--	--	--	--	--	--	--	--

1	2	3	4	5	4				
---	---	---	---	---	---	--	--	--	--

17. 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.

NOTE 1: When this field is populated without an associated IP Address then it shall be used by the provider to assign the IP Address using a pool of available addresses based on the format selected in this field. The American Registry for Internet Numbers (ARIN) assigns the pool of IP Addresses for US based services that may be used by a provider.

VALID ENTRIES:

4 = IPv4
6 = IPv6
M = IPv4 – mapped IPv6

USAGE: This field is conditional.

NOTE 1: Required when the ACT field on the ASR Form is “N”.

NOTE 2: Required when the IP Address field is populated.

NOTE 3: Otherwise optional.

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE: 4

18. IP ADDRESS - Internet Protocol Address

Identifies the Internet Protocol 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: 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.

|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.

18. 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.

19. 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.

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| | |

20. IPA2 - Second Internet Protocol Address Identifier

Identifies the version of the Second Internet Protocol Address within the network interface device at a host or end user location when requesting dual stack capability with IPv4 and IPv6 enabled.

NOTE 1: When this field is populated without an associated IP Address then it shall be used by the provider to assign the IP Address using a pool of available addresses based on the format selected in this field. The American Registry for Internet Numbers (ARIN) assigns the pool of IP Addresses for US based services that may be used by a provider.

VALID ENTRIES:

4 = IPv4
6 = IPv6

NOTE 1: Valid entry of “4” is prohibited if IPA1 field is “4”.

NOTE 2: Valid entry of “6” is prohibited if IPA1 field is “6”.

USAGE: This field is conditional.

NOTE 1: Required when the IP Address2 field is populated.

NOTE 2: Optional when the IPA1 field is populated with “4” or “6”.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 alpha/numeric character

EXAMPLE: |6|

21. IP ADDRESS2 - Second Internet Protocol Address

Identifies the second Internet Protocol Address within the network interface device at a host or end user location when requesting dual stack capability with IPv4 and IPv6 enabled.

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” and the IPAI field is “4” or “6”, 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.

22. SUBNET MASK2 - Second Subnet Mask

Identifies the Subnet Mask associated to the Second 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 Address2 field is populated and the IPA12 field is “4”, otherwise prohibited.

DATA CHARACTERISTICS: 15 alpha/numeric characters

EXAMPLE: |2|5|5|.|2|5|5|.|2|5|5|.|0|_|_|

23. 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 primary location.

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|

24. GETO - General Exchange Tariff Options Code

Identifies the requirement for non-tariff or secondary tariff options and special arrangements (third party billing) associated to the primary location in conjunction with Private Internet Protocol 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.

24. 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

25. 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|

26. 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| | | | |

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

27. 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|

28. 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.

28. 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 “D”.

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|

29. 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| | | | | | | | | | | | | | | | |

30. SECLOC - Secondary Location

Identifies the switching point, terminating equipment or terminating location, in CLLI code format, at the Port termination.

NOTE 1: When the ACT field on the ASR form is populated with “N”, SECLOC may be populated with a CLLI Code or left blank. The provider will determine the applicable CLLI Code for the switch/router.

NOTE 2: The format and structure of this field is defined in the American National Standard, ATIS-03000253, Identification of Location Entities for Information Exchange. 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:

Valid Switching/Router 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: M|I|L|N|T|N|M|A|6|8|6

M|I|L|N|T|N|M|A| | | |

31. 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 in the American National Standard, ATIS-0300251, Codes for Identification of Service Providers for Information Exchange.

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, otherwise prohibited.

DATA CHARACTERISTICS: 4 alpha/numeric characters

31. OTC - Other Exchange Company (continued)

EXAMPLES: |G|T|P|A|

|2|0|3|4|

|S|W|_|_|

|1|2|A|3|

32. 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											

3.3 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the Dedicated Internet Service Form fields.

DIS FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ACCTYP	11	Access Type
ASN	16	Autonomous System Number
ASR NO	4	Access Service Request Number
CCEA	23	Cross Connect Equipment Assignment
CCNA	1	Customer Carrier Name Abbreviation
DIVCKT	28	Diverse Circuit ID
DIVPON	29	Diverse Purchase Order Number
EASBDW	10	Ethernet Access Supplemental Bandwidth
GBTN	25	General Exchange Tariff Options Billing Telephone Number
GCON	26	GETO Contact Name
GETO	24	General Exchange Tariff Options Code
GTEL	27	General Exchange Tariff Options Contact Telephone Number
IP ADDRESS	18	Internet Protocol Address
IP ADDRESS2	21	Second Internet Protocol Address
IPAI	17	Internet Protocol Address Identifier
IPAI2	20	Second Internet Protocol Address Identifier
LAG-ID	12	Link Aggregation Group ID
LAG-P	13	Link Aggregation Group Protection
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
OTC	31	Other Exchange Company
PON	2	Purchase Order Number
PROFE	15	Profile Egress
REMARKS	32	Remarks
ROUTER	14	Router Location
SBDW	9	Supplemental Bandwidth
SECLOC	30	Secondary Location
SECNCI	7	Secondary Network Channel Interface Code
SUBNET MASK	19	Subnet Mask
SUBNET MASK2	22	Second Subnet Mask
SR	8	Special Routing Code
VER	3	Version Identification

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4. DEDICATED INTERNET SERVICE REQUEST FORM NUMBERED

(Insert Your Company Logo Here)

Dedicated Internet Service Request

V51
09/15

Administrative Section		CCNA 1 1	PON 2	VER 3	ASR NO 4										
Circuit Detail Section															
NC 5	NCI 6	SECNCI 7			SR 8	SBDW 9	EASBDW 10								
ACCTYP 11				LAG-ID 12		LAG-P 13				ROUTER 14					
PROFE 15						ASN 16									
IPA1 17	IP ADDRESS 18			SUBNET MASK 19											
IPA2 20	IP ADDRESS2 21			SUBNET MASK2 22											
CCEA 23															
GETO 24	GBTN 25	-	GCON 26	GTEL 27		-	DIV PON 29	SECLOC 30		OTC 31					
DIV CKT 28															

REMARKS

32													
----	--	--	--	--	--	--	--	--	--	--	--	--	--

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5. DEDICATED INTERNET SERVICE REQUEST FORM CAMERA READY

(Insert Your Company Logo Here)

Dedicated Internet Service Request

V51
09/15

Administrative Section		CCNA	PON	VER	ASR NO										
Circuit Detail Section															
NC	NCI	SECNCI			SR	SBDW	EASBDW								
ACCTYP	LAG-ID			LAG-P			ROUTER								
PROFE					ASN										
IPA1	IP ADDRESS				SUBNET MASK										
IPA12	IP ADDRESS2				SUBNET MASK2										
CCEA															
GETO	GBTN	GCON			GTEL										
DIVCKT	DIVPON			GTEL			- - - - -								
SECLOC										OTC					

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ATIS STANDARD

ATIS-0404028-0051

**Permanent Virtual Connection (PVC)
Form Preparation Guide
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 51



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ATIS – 0404028-0051
Permanent Virtual Connection (PVC) Form Preparation Guide - Access Service Ordering Guidelines (ASOG)

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PERMANENT VIRTUAL CONNECTION
FORM PREPARATION GUIDE

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1. GENERAL

- 1.1. This guide describes the Permanent Virtual Connection (PVC) Form entries. The PVC Form must always be associated with an ASR Form which contains administrative and bill detail necessary for the provisioning of this request.

The PVC Form contains four sections: Administrative, Common, Circuit Detail and Remarks. The Administrative Section relates the PVC Form to the ASR. The Common Section carries the information specific to all PVC connection circuits. The Circuit Detail Section contains information specific to each individual PVC. The Remarks Section is used for additional narrative information. The field entries contained within the PVC Form are provided by the customer.

- 1.2. This is the first iteration of this new practice.
- 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.

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2. PVC FORM REQUEST DESCRIPTION

- 2.1 This form is used to order the Permanent Virtual Connection (PVC) portion of a Private Internet Protocol service. All information required for ordering permanent virtual connection circuits is provided in the various fields contained within the PVC Form. A PIP Form (Practice 026) would be used to specify the physical connection (UNI/ENNI) portion of a Private Internet Protocol service.
- 2.2 Usage rules for permanent virtual connections are based upon the ASR activity field. Usage rules for LOSACT population is as follows:

ACT (ASR)	LOSACT
N	N, K
C ¹	N, C, D, K
D	
R	

- 2.3 The PVC Form and the Ethernet Virtual Connection (EVC) Form (Practice 016) are mutually exclusive for the life of the ASR.
- 2.4 The form contains the following Sections:
- Administrative Section
 - Common Section
 - Circuit Detail Section

¹ Activity of C is not applicable for a combination request.

3. PVC FORM ENTRIES

The PVC 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 PVC 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 COMMON SECTION

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 NC code on the PVC Form is used specifically for the ordering of the Permanent virtual connections.

NOTE 2: The format and structure of this field is defined in the American National Standard, ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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: V|P|-|-|

6. 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 PVC and Port.

NOTE 2: The format and structure of this field is defined in the American National Standard ATIS-0300223, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange or in 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" or "C", otherwise optional.

DATA CHARACTERISTICS: 5 alpha/numeric characters minimum, 12 alpha/numeric characters maximum

EXAMPLE: |0|2|V|P|N| | | | | | | | | |

7. RPID - Related Port Identifier

Identifies the provider's related circuit ID for a PIP Port circuit against which the PVC activity is requested.

USAGE: This field is conditional.

NOTE 1: Required when the PVCI field on the ASR Form is "A" and the ACT field on the ASR Form is "N" or "C", otherwise optional.

DATA CHARACTERISTICS: 28 alpha/numeric characters

EXAMPLE: |9|2|/|K|D|F|N|/|1|2|3|4|5|6|/|/|O|B|_|_|



3.3 CIRCUIT DETAIL SECTION

8. PVC NUM – Permanent Virtual Connection Number

Identifies each PVC as a unique number.

NOTE 1: The PVC NUM is customer assigned and is returned on the confirmation notice to the ordering customer.

NOTE 2: Once PVC 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 “0001” and incrementing by one for each additional PVC.

USAGE: This field is required.

DATA CHARACTERISTICS: 4 numeric characters

EXAMPLE: 0|0|0|3

9. PVCACT – Permanent Virtual Connection Activity Indicator

Identifies cancellation activity that is occurring on the associated PVC.

VALID ENTRIES:

K = Cancel

NOTE 1: Valid entry of “K” is not permitted on initial issuance of request.

NOTE 2: On a combination request, if the customer wishes to cancel all PVC Connections associated to the request, the PVCACT of “K” will be used against all PVC NUMs.

USAGE: This field is optional.

DATA CHARACTERISTICS: 1 alpha character

EXAMPLE: N

10. **PVCID** – Permanent Virtual Connection Circuit Identifier

Identifies the circuit identification of the provider assigned Permanent Virtual Connection.

VALID ENTRIES:

1. COMMON LANGUAGE Special Service Circuit Codes (CLCI S/S Codes) – Serial Number Format. This format is defined in the American National Standard, ATIS-0300097, Structure for the Identification of Communications Connections for Information Exchange 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).

10. PVCID – Permanent Virtual Connection Circuit Identifier
(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).

USAGE: This field is conditional.

NOTE 1: Prohibited when the ACT field on the ASR Form is "N" and request has not been confirmed by the provider.

NOTE 2: Required when the ACT field on the ASR Form is "C", "D" or "R".

NOTE 3: Otherwise optional.

DATA CHARACTERISTICS: 28 alpha/numeric characters

EXAMPLE: | 9 | 2 | / | V | P | G | S | / | 1 | 2 | 3 | 4 | 5 | 6 | / | | O | B | | |

11. **VPN-NM – Virtual Private Network Name**

Indicates a unique name for the Virtual Private Network (VPN) that creates a secure network connection over a public network.

USAGE: This field is conditional.

NOTE 1: Required when the ACT field on the ASR Form is “N”, otherwise optional.

DATA CHARACTERISTICS: 30 alpha/numeric characters

EXAMPLE: |V|P|N| - |C|u|s| t|N|a|m|e| - |1| | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NOTE 1: This field must support mixed case characters.

12. 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 ACT field on the ASR Form is “N” and Frame Relay Encapsulation or Multi Link Frame Relay (MLFR) Encapsulation is being requested, otherwise optional.

DATA CHARACTERISTICS: 4 numeric characters

EXAMPLE: 16

13. ASN – Autonomous System Number

Indicates the unique number identifying the customer Internet network ordering the Border Gateway Protocol (BGP) routing.

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 the ACT field on the ASR Form is "N" and BGP is being requested, otherwise optional.

DATA CHARACTERISTICS: 5 numeric characters

EXAMPLES:

4				
---	--	--	--	--

1	2	3	4	5
---	---	---	---	---

14. PVCCKR – Permanent Virtual Connection Customer Circuit Reference

Identifies the circuit number used by the customer.

NOTE 1: PVCCKR is used by the customer as a cross reference to the provider PVC 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 | | | | | | | | | |

15. EPS – Egress Profile Selection

Identifies the traffic allocation exiting the Provider Edge (PE) device and being delivered to the customer's router.

NOTE 1: Valid entries are based on provider practices/negotiations.

NOTE 2: Valid entries will be either a unique set of percentages or a value that represents a unique set of percentages dedicated to each class of service.

USAGE: This field is conditional.

NOTE 1: Optional when the ACT field on the ASR Form is "N" or "C", otherwise prohibited.

DATA CHARACTERISTICS: 30 alpha/numeric characters

EXAMPLES: |G| 7 | | | | | | | | | | | | | |

16. 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:

1-2

USAGE: This field is conditional.

NOTE 1: Required when the ACT field on the ASR Form is “C” or “N”.

NOTE 2: Optional when the associated PVCACT field is “K”.

NOTE 3: Otherwise prohibited.

DATA CHARACTERISTICS: 1 numeric character

EXAMPLE: |1|

17. LOSACT – Level of Service Activity Indicator

Identifies the activity for the level of service at this port termination.

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: N

18. LOS – Level of Service Name

Identifies a name for a provider defined level of service performance.

NOTE 1: Examples of LOS names are Gold, Silver, Premium, Best Effort, A, B, C etc.

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| | | | | | | | | |

19. 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.

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|

20. **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 virtual circuit/LOS level = numeric value followed by kilobits (K), megabits (M) or gigabits (G).

Bandwidth specified at the port 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				
---	---	---	--	--	--	--

21. **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											

22. 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 \lfloor 1 \rfloor of \lfloor 2 \rfloor 0 \rfloor

3.4 ALPHA/NUMERIC GLOSSARY

The following table is an alpha/numeric cross-reference glossary of the Permanent Virtual Connection (PVC) Form fields.

PVC FORM

<u>Field Abbreviation</u>	<u>Field #</u>	<u>Field Name</u>
ASN	12	Autonomous System Number
ASR NO	4	Access Service Request Number
BDW	20	Bandwidth
CCNA	1	Customer Carrier Name Abbreviation
DLCI	11	Data Link Connection Identifier
EPS	14	Egress Profile Selection
LOS	18	Level of Service Name
LOSACT	17	Level of Service Activity Indicator
LREF	16	Level of Service Reference Number
NC	5	Network Channel Code
NCI	6	Network Channel Interface Code
PG_of_	22	Page_of_
PON	2	Purchase Order Number
PVCACT	8	Permanent Virtual Connection Activity Indicator
PVCKCR	13	Permanent Virtual Connection Customer Circuit Reference
PVCID	9	Permanent Virtual Connection Circuit Identifier
PVC NUM	7	Permanent Virtual Connection Number
REMARKS	21	Remarks
RPID	15	Related PORT Identifier
SPEC	19	Service and Product Enhancement Code
VER	3	Version Identification
VPN-NM	10	Virtual Private Network Name

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4. PVC FORM NUMBERED

(Insert Your Company Logo Here)

Permanent Virtual Connection

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO
	[1]	[2]	[3]	[4]

Common Section		
NC	NCI	RVID
[5]	[6]	[7]

Circuit Detail Section				
PVC NUM	PVC ACT	PVC ID	VPN-NM	
[8]	[9]	[10]	[11]	
DLCI	ASN	PVC CCR		
[12]	[13]	[14]		
EPS				
[15]				
LREF	LOS ACT	LOS	SPEC	BDW
[16]	[17]	[18]	[19]	[20]
LREF	LOS ACT	LOS	SPEC	BDW
[16]	[17]	[18]	[19]	[20]

Circuit Detail Section				
PVC NUM	PVC ACT	PVC ID	VPN-NM	
[8]	[9]	[10]	[11]	
DLCI	ASN	PVC CCR		
[12]	[13]	[14]		
EPS				
[15]				
LREF	LOS ACT	LOS	SPEC	BDW
[16]	[17]	[18]	[19]	[20]
LREF	LOS ACT	LOS	SPEC	BDW
[16]	[17]	[18]	[19]	[20]

REMARKS		
[21]		
PG	OF	
[22]		

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5. PVC FORM CAMERA READY

(Insert Your Company Logo Here)

Permanent Virtual Connection

V51
09/15

Administrative Section	CCNA	PON	VER	ASR NO
<input type="checkbox"/>				

Common Section

NC	NCI	RPID	<input type="checkbox"/>											
----	-----	------	--	--	--	--	--	--	--	--	--	--	--	--

Circuit Detail Section

PVC NUM	PVC ACT	PVC ID	VPN-NM											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												

DLCI	ASN	PVC CCR	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												

EPS	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											

LREF	LOS ACT	LOS	SPEC	BDW											
<input type="checkbox"/>	<input type="checkbox"/>	SPEC	<input type="checkbox"/>												

LREF	LOS ACT	LOS	SPEC	BDW											
<input type="checkbox"/>	<input type="checkbox"/>	SPEC	<input type="checkbox"/>												

Circuit Detail Section

PVC NUM	PVC ACT	PVC ID	VPN-NM											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												

DLCI	ASN	PVC CCR	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												

EPS	<input type="checkbox"/>											
<input type="checkbox"/>	<input type="checkbox"/>											

LREF	LOS ACT	LOS	SPEC	BDW											
<input type="checkbox"/>	<input type="checkbox"/>	SPEC	<input type="checkbox"/>												

LREF	LOS ACT	LOS	SPEC	BDW											
<input type="checkbox"/>	<input type="checkbox"/>	SPEC	<input type="checkbox"/>												

REMARKS

<input type="checkbox"/>																
<input type="checkbox"/>																

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