Command: ENT-OC12

Message category: Memory Administration
Application: Add/Drop, Rings

Definition:

Enter OC12 facility.

Restrictions:

All parameters in this command are position-defined except the *hif6_nblk* parameter, which is name-defined. Must be preceded by an ENT-EQPT command for supporting equipment (HIF).

Function:

To assign an OC12 facility and enter provisioning data associated with the facility. This command also is used to provision *scntrcdata*, the transmitted section access point identifier (C1). The style type setting chosen for *scnsel* determines how the received section trace is read.

Command Format:

ENT-OC12:[tid]:aidoc12:[ctag]:::[hif6_nblk]:[pst],[sst];

Command Parameters	
PARAMETER	**EXPLANATION**
[tid]	Identification of the target NE (1...20 characters). The NE SID code is the recommended value. The default value is null.
aidoc12	Access identification code that identifies a high speed interface (OC12). The value can be preceded by AID=, but this is not required. Grouping is allowed. Enter the following format, replacing lowercase parameters with the values given: lgx-oc12s Line group OC12 facility where: lgx = LG1, LG2 oc12s = OC12, OC12A, OC12B
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[hif6_nblk]	Named parameter block for OC12 . The block

	consists of the following parameters in any order, separated by commas. Each parameter name is followed by an equal sign and a valid value. ***NOTE:*** *The parameter defaults shown in this list can be modified using the ED-OC12 command.* ALS = Whether the HIF transmit laser automatically shuts down on detection of a loss of signal at the optical receiver. Not valid for HIF70x. Valid values are: N No automatic shutdown (Alcatel factory default) Y Transmit laser shuts down automatically after 500-600 msec of LOS
	ALSMODE = Laser restart mode after automatic shutdown. Valid values are: AUTO Automatic restart after delay specified by ALSDELAY parameter. If the loss of signal persists for 1.75-2.25 seconds after the restart, the laser shuts down and waits for the period specified by ALSDELAY before trying again. MAN Manual restart. The laser must be restarted with the OPR-LSR command.
	ALSDELAY= Delay time in seconds (60...300) between automatic laser shutdown and automatic restart (if ALSMODE=AUTO)
	AUTOAIS= Automatic Alarm Indication Signal (AIS) insertion for BER 10E-3. The valid values are: N Disabled (Alcatel factory default) Y Enabled
	SCNSEL= Section Trace monitoring mode selection. The valid values are: ID Fixed 1 byte ID (Alcatel factory default) TR1 Provisionable 1 byte format
	EXPSCNTRC= Expected section trace. The type of the section trace is determined by the value of C1SEL parameter. Valid value is 0...255 for 1 byte section trace option. The Alcatel factory default is 1.
	SCNTRCDATA= Section Access Point Identification Data. Valid value is an integer in the range of 0...255 for 1 byte section trace option to be converted to a single byte section trace. The Alcatel factory default is 1.
[hif6_nblk]	STSPJNPSEL= STS1 selected for Negative

(cont)	and Positive PJC monitoring. The valid value range is 1...12. The Alcatel factory default is 1. SYNCMSGIN= Whether the synchronization message input is enabled. The valid values are: Y Yes N No (Alcatel factory default) SYNCMSGOUT= Whether the synchronization message output is enabled. Valid values are: Y Enabled N Not enabled (Alcatel factory default) DU Do not use for synchronization
	ISWAITDELAY= Allows the user to provision the Automatic In Service (IS) Wait Delay time in 15 minute intervals (0...288). A value of 288 is equivalent to 72 hours. A value of 0 allows automatic state transition from OOS-MA-AINS to IS and inhibits automatic state transition from OOS-MA to IS.
[pst]	The desired primary state (condition) of the object entity. A null value means no change to the current state. Valid values are: IS In-Service (normal -NR, or abnormal -ANR is implied and determined by the NE) OOS Out-Of-Service (out-of-service due to provisioning memory-administration operations is implied) MA Memory Administration (OOS-MA is implied) MT Maintenance (OOS-MT is implied)
[sst]	The secondary state to be activated (or stay active). The valid values are: AINS Automatic In Service (controllable). Automatic transition into in-service is allowed. (For certain types of objects, the circuit packet plugged-in event may cause the object to change automatically from MA-AS to an in-service state, provided the object is already assigned with appropriate attributes.)

Response Format:

Acknowledgment:

If, in less than 2 seconds, a normal or error response cannot be sent, the following acknowledgment response is sent:

```
IP <ctag>
```

After the above response, a new command input may be generated.

Normal Response:

```
   sid yy-mm-dd hh:mm:ss
M  c COMPLD
   /* ENT-OC12:[tid]:aidoc12:[ctag]:::[hif6_nblk]:[pst],[sst] */
;
```

Error Response:

```
   sid yy-mm-dd hh:mm:ss
M  c DENY
   /* ENT-OC12:[tid]:aidoc12:[ctag]:::[hif6_nblk]:[pst],[sst] */
   errcde
;
```

Response Parameters	
PARAMETER	**EXPLANATION**
sid	Source NE identification
yy-mm-dd	Year (2 digits), month, and day
hh:mm:ss	Hour (00...23), minute, and second
M	Message generated in response to an input command
c	If provided, ctag, otherwise 0
COMPLD	Completed
DENY	Input command is denied
/* */	Enclosed are human readable comments - unspecified format
errcde	Error code (See Appendix C)

Example:

Enter provisioning data for line group 2 side A path.
ENT-OC12:RAL: LG2-OC12A:66:::ALS=Y,ALSMODE=AUTO,ALSDELAY=60,AUTOAIS=Y, SCNSEL=TR1,EXPSCNTRC=1,SCNTRCDATA=1,STSPJNPSEL=1,SYNCMSGIN=N,SYNCMS GOUT=N:IS;

```
   RAL 99-11-26 12:50:30
M  66 COMPLD
   /* ENT-OC12:RAL:LG2-OC12A:66:::ALS=Y,ALSMODE=AUTO,ALSDELAY=60, */
   /* AUTOAIS=Y,SCNSEL=TR1,EXPSCNTRC=1,SCNTRCDATA=1,STSPJNPSEL=1, */
   /* SYNCMSGIN=N,SYNCMSGOUT=N:IS */
  ;
```

GENERAL NOTES:

If OC12 facility is or will be transporting any STS3C payload, only the first STS1 entity within the

STS3C may be selected for pointer justification count (STSPJNPSEL parameter); thus: STSPJNPSEL = 1 for LGx-STS3C-1 (STS1s 1...3)STSPJNPSEL = 4 for LGx-STS3C-4 (STS1s 4...6)STSPJNPSEL = 7 for LGx-STS3C-7 (STS1s 7...9)STSPJNPSEL = 10 for LGx-STS3C-10 (STS1s 10...12)

Related Commands:

DLT-OC12
ED-OC12
OPR-LSR
RTRV-OC12