

Command: ENT-BITS

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

Definition:

Enter BITS.

Restrictions:

All parameters in this command are position-defined except *bits_nblk*, which is name-defined. If CLK equipment has not been provisioned since in normal condition, CLK will be assigned after power-up initialization.

Function:

To enter the provisioning data associated with the BITS (Building Integrated Timing System).

Command Format:

ENT-BITS:[tid]:aidbits:[ctag]:::[bits_nblk]:[pst][,];

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.
aidbits	Access identification code that identifies a BITS source. The value can be preceded by AID=, but this is not required. Enter one of the following formats, replacing lowercase parameters with the values given: SYNCPRI Primary synchronization source SYNCSEC Secondary synchronization source
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[bits_nblk]	Named parameter block for the BITS line. 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.

	<p>EQLZ= Line equalization in feet (0...655) for 22 AWG. Alcatel factory default is 0. If using 26 AWG cable, refer to the following equalization values: Line length EQLZ = 0-50 feet 0 51-100 200 101-200 300 201-300 500 301-450 600</p> <p>LINECDE= DS1 line code. Valid values are: AMI Alternate Mark Inversion (Alcatel factory default) B8ZS Bipolar with 8 zero substitution</p> <p>FMT= Frame format. Valid values are: SF Superframe (Alcatel factory default) ESF Extended superframe</p> <p>AISQUAL= Old quality level threshold for AIS output. Valid values are 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5 and 5.0. (Alcatel factory default is 5.)</p> <p>INQUAL= Fixed input quality if the input messaging is disabled. Valid values are 1, 1.5, 2, 2.5, 3, 3.5, and 4. (Alcatel factory default = 2.)</p> <p>ESFCONT= ESF synchronization message time-out. Valid values are: CONT Continuous reception is expected (Alcatel factory default) 1...20 Time-out (in minutes)</p>
[bits_nblk] (cont)	<p>SYNCMSGIN= Whether the synchronization message input is enabled. Valid values are: Y Yes N No (Alcatel factory default)</p> <p>SYNCMSGOUT= Whether the synchronization message output is enabled. Valid values are: Y Enabled N Not enabled (Alcatel factory default)</p> <p>DU Do not use for synchronization</p>
[pst]	<p>Desired primary state (condition) of the object entity. A null value means no change to the current state. Valid values are:</p> <p>IS In-Service (normal -NR, or abnormal -ANR is implied and determined by the NE)</p> <p>OOS Out-Of-Service (out-of-service due to provisioning memory-administration operations is implied)</p> <p>MA Memory Administration (OOS-MA is implied)</p> <p>MT Maintenance (OOS-MT is implied)</p>

Response Format:

Acknowledgment:

If, in less than 2 seconds, a normal or error response cannot be sent, the following acknowledgment response is be 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-BITS:[tid]:aidbits:[ctag]:::[bits_nblk]:[pst][,] */
;
```

Error Response:

```
sid yy-mm-dd hh:mm:ss
M c DENY
/* ENT-BITS:[tid]:aidbits:[ctag]:::[bits_nblk]:[pst][,] */
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 the secondary BITS port into service.

ENT-BITS:RALGH:

SYNCSEC:77::EQLZ=300,LINECDE=B8ZS,FMT=SF,AISQUAL=4,INQUAL=2.5,

ESFCONT=CONT,SYNCMSGIN=Y,SYNCMSGOUT=Y;

```
RALGH 99-11-02 09:30:14
M 77 COMPLD
/* ENT-BITS:RALGH:SYNCSEC:77::EQLZ=300,LINECDE=B8ZS,FMT=SF, */
/* AISQUAL=4, INQUAL=2.5, ESFCONT=CONT, SYNCMSGIN=Y, SYNCMSGOUT=Y:
*/
;
```

Related Commands:

[DLT-BITS](#)

[ED-BITS](#)

[RTRV-BITS](#)