

Command: ENT-AAL5

Message category: Network Maintenance
Application: Add/Drop, Rings

Definition:

Enter ATM Adaptation Layer 5 (AAL5).

Restrictions:

This command will be denied unless the supporting USRLAN entity has been assigned. The parameters VPI and VCI will be utilized to create VPL and VCL entities for use with this instance of AAL5. The value reflecting the combination of VPI and VCI must be unique among the set of provisioned AAL5 instances in this drop group. All parameters in this command are position-defined except *aal5_nblk*, which is name-defined.

Function:

To assign an AAL5.

Command Format:

ENT-AAL5:[tid]:aidaal5:[ctag]:::aal5_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.
aidaal5	Access identification code that identifies a domain. The value can be preceded by AID=, but this is not required. Grouping and ranging are allowed. Enter one of the following formats, replacing lowercase parameters with the values given: DGy-AAL5-lannum Drop group AAL5 facility where: DGy = DG1, DG2, DG3 lannum = 1...4
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.

aal5_nblk	Named parameter block for AAL5. 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. VPI = Associated VP identifier (0...4095) for this AAL5 entity. This parameter is required.
	VCI = Associated VC identifier (17...65535) for this AAL5 entity. This parameter is required.
aal5_nblk (cont)	INGRESS_TRAFDSC_NAME= Traffic descriptor name (1...32 characters) for ATM cell stream. Specified at the time of traffic descriptor creation. This parameter is required.
	CLP= Cell loss priority to use for the created ATM cells. This parameter is optional. Default defined by customer defaults. Valid values are: High High priority Low Low priority
	ENCAP= Type of encapsulation to use for the created ATM cells. This parameter is optional. Default defined by customer defaults. Valid values are: Off Encapsulation off RFC1438 Encapsulation on
[pst]	Desired primary state (condition) of the object entity. A null means no change to the current value. 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)

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-AAL5:[tid]:aidaal5:[ctag]::aal5_nblk:[pst].. */
/* optional free format text */

```

;

Error Response:

```
sid yy-mm-dd hh:mm:ss
M c DENY
/* ENT-AAL5:[tid]:aidaal5:[ctag]::aal5_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:

Assign an AAL5 facility. Set VP identifier to 1138, VC identifier to 1941, and cell loss priority to LOW.

ENT-AAL5:RAL:DG1-1:45:::VPI=1138,VCI=1941,CLP=LOW:;,;

```
RAL 99-11-24 11:27:30
M 45 COMPLD
/* ENT-AAL5:RAL:DG1-1:45:::VPI=1138,VCI=1941,CLP=LOW:;,; */
;
```

Related Commands:

[ED-AAL5](#)

[DLT-AAL5](#)

[RTRV-AAL5](#)