Command: ENT-PROFILE-TRAFDSC

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

Definition:

Enter profile of Traffic Descriptor.

Restrictions:

All parameters in this command are position-defined except the *trafdsc_nblk* parameters, which are name defined.

Function:

To create a Traffic Descriptor. A specific instance of a Traffic Descriptor must be associated with each ATM connection that is either policing or creating an ATM cell stream.

Command Format:

ENT-PROFILE-TRAFDSC:[tid]:aidtrafdsc:[ctag]::trafdsc_name,profile_type:
[trafdsc_nblk];

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.
aidtrafdsc	Access identification code that identifies a Traffic Descriptor. The value can be preceded by AID=, but this is not required. Grouping and ranging are allowed. Valid values are: TRAFDSC- n Traffic Descriptor where: n: = 1...32
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
trafdsc_name	Description (1...32 characters) of the service type for this Traffic Descriptor. Case is ignored.
profile_type	Combination of trafdsc_nblk parameters allowed for this Traffic Descriptor. Valid values are:

	PT1 PCR0+1, CDVT, TAG (LIFB01 only) PT2 PCR0+1, CDVT, SCR0+1, MBS0+1, TAG (LIFB01 only) PT3 PCR0+1, CDVT, SCR0, MBS0, TAG (LIFB01 only) PT4 PCR0, PCR0+1, CDVT, TAG (LIFB01 only) PT5 PCR0+1 (LIF901 only) PT6 PCR0+1, SCR0+1, MBS0+1 (LIF901 only)
[trafdsc_nblk]	Named parameter block for Traffic Descriptor. 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. PCR0 Peak cell rate, in cells per second (100...353207), for CLP0 ATM cells
	PCR0+1 Peak cell rate, in cells per second (100...353207), for CLP0 and CLP1 ATM cells
	CDVT Cell Delay Variation Tolerance, in microseconds, associated with the enforcement of peak cell rate of arrival of cells on this connection. Valid values are 50, 100, 150, 200, 250, 350, 500, 700, 1000, 1400, and 2000.
	SCR0 Sustained cell rate, in cells per second (100...353207), for CLP0 ATM cells
	SCR0+1 Sustained cell rate, in cells per second (100...353207), for CLP0 and CLP1 ATM cells
	MBS0 Maximum Burst Size (in cells) associated with the enforcement of sustained rate of arrival of CLP0 cells on this connection. Valid values are 32, 50, 100, 150, and 210.
	MBS0+1 Maximum Burst Size, in cells, associated with the enforcement of sustained rate of arrival of CLP0+1 cells on this connection. Valid values are 32, 50, 100, 150, and 210.
	TAG Tagging control. Determines how nonconformant cells are handled. Valid values are: YES Set CLP bit of cell to 1 NO Discard cell

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-PROFILE-TRAFDSC:[tid]:aidtrafdsc:[ctag]::trafdsc_name,profile_type
:
    [trafdsc_nblk]: */
;
```

Error Response:

```
    sid yy-mm-dd hh:mm:ss
M  c DENY
    /*
ENT-PROFILE-TRAFDSC:[tid]:aidtrafdsc:[ctag]::trafdsc_name,profile_type
:
    [trafdsc_nblk] */
    errcde
    /* free format text */
;
```

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:

Create a Traffic Descriptor.
ENT-PROFILE-TRAFDSC:RAL:TRAFDSC-1:66::1,PT1:PCR0+1=152,CDVT=350,TAG=NO;
```
    RAL 99-11-24 12:50:30
M  66 COMPLD
    /*
ENT-PROFILE-TRAFDSC:RAL:TRAFDSC-1:66::1,PT1:PCR0+1=152,CDVT=350,TAG=NO
```

```
* /
;
```


Related Commands:

[DLT-PROFILE-TRAFDSC](#)
[RTRV-PROFILE-TRAFDSC](#)