

Command: SET-ATTR-T1

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

Definition:

Set attribute of T1.

Restrictions:

All parameters in this command are position-defined.

Function:

To set the attribute of a DS1 (T1) port (facility) condition type.

Command Format:

SET-ATTR-T1:[tid]:aidt1:[ctag]::[ntfcncde],[condt1],[locn],[dirn],[tmper]:,[act],[deact];

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.
aidt1	Access identification code that identifies a DS1. 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: dgx-T1-ds1port Sequential VT1/T1 dgx-T1-vtgrp-vtno Grouped VT1/T1 where: dgx = DG1, DG2, DG3 ds1port = 1...28 vtgrp = 1...7 vtno = 1...4 ALL All T1 facilities CUSTDFLT Customer-defined defaults NOTE: The T1/VT1 AID format is determined by the VTFORMAT parameter of the SET-NE-ALL command. The

	RTRV-COND-COM command reports the AID format currently used by the NE. See Appendix E for details.
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[ntfncde]	Notification code associated with an alarm condition. Valid values are: CR Critical alarm MJ Major alarm MN Minor alarm NA Not alarmed; reported via report event NR Not reported when event occurs; information retained in NE
[condt1] (see NOTE)	Condition type of the DS1 entity. The value can be preceded by CONDTYPE=, but this is not required. Grouping is allowed. Valid values are listed in Table R with Alcatel factory default attributes.
[locn] (see NOTE)	Location where performance monitoring is reported. Grouping is allowed. Valid values are: FEND Far end NEND Near end
[dirn] (see NOTE)	Direction of cell flow. Grouping is allowed. Valid values are: RCV Receive TRMT Transmit
[tmper]	Duration of performance monitoring. Valid values are: 1-DAY One day 15-MIN Fifteen minutes
[act]	Activation time, in half seconds (0...20), for declaring an alarm condition
[deact]	Deactivation time, in seconds (0...20), for declaring an alarm condition
NOTE: A null entry defaults to all values for this parameter, when applicable.	

Table R. T1 Alarm Conditions and Alcatel Factory Default Attributes

ALARM CONDITION	DESCRIPTION	DEFAULTS		
		NTFCTNCDE	ACT TIME	DEACT TIME
AIS	Alarm indication signal, All 1s (NEND TRMT/RCV)	NR	5	10
BERL-HT	Bit error ratio - high threshold (SFBER)	MJ	5	10
DS2OOF	DS2 source out-of-frame	MJ	5	10
DS2RAI	DS2 source remote alarm indication	NR	5	10

DS1ISD	Idle pattern detected (SF and ESF only) (NEND RCV)	NR	5	10
INHLPBK-yy	Inhibit loopback (yy=DS2, ESFLINE, FEAC, INBANDRX, or INBANDTX)	NR	5	10
INHMPREPT	Inhibit PM report	NR	5	10
LOF	Loss of frame (NEND TRMT/RCV)	NR	5	10
LOS	Loss of signal (NEND TRMT/RCV)	MJ	5	10
MTCE	Remove from service for maintenance	MN	0	0
RAI	Remote alarm indication (NEND TRMT/RCV)	NR	5	10
T-BPV	Threshold violation for PM type bipolar violations (NEND RCV)	NA	5	10
T-CSSP	Threshold violation for controlled slips (FEND TRMT/RCV)	NA	5	10
T-CVL	Coding violation threshold crossing - Line (NEND RCV)	NA	5	10
T-CVP	Coding violation threshold crossing - Path (NEND TRMT/RCV, FEND TRMT/RCV)	NA	5	10
T-ESL	Threshold violation for PM errored seconds - Line (NEND RCV, FEND TRMT/RCV)	NA	5	10
T-ESP	Threshold violation	NA	5	10

	for PM errored seconds - Path (NEND TRMT/RCV, FEND TRMT/RCV)			
T-SASP	Threshold violation for PM path AIS seconds (FEND TRMT/RCV)	NA	5	10
T-SESF	Threshold violation for PM severely errored framing seconds (FEND TRMT/RCV)	NA	5	10
T-SESL	Threshold violation for PM severely errored seconds - Line (NEND RCV)	NA	5	10
T-SESP	Threshold violation for PM severely errored seconds - Path (NEND TRMT/RCV, FEND TRMT/RCV)	NA	5	10
T-UASP	Threshold violation for PM unavailable seconds - Path (NEND TRMT/RCV, FEND TRMT/RCV)	NA	5	10

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
```

```

/*
SET-ATTR-T1:[tid]:aidt1:[ctag]::[ntfcncde],[condt1],[locn],[dirn],[tmp
er]:, */
/* [act],[deact] */
;

```

Error Response:

```

sid yy-mm-dd hh:mm:ss
M c DENY
/*
SET-ATTR-T1:[tid]:aidt1:[ctag]::[ntfcncde],[condt1],[locn],[dirn],[tmp
er]:, */
/* [act],[deact] */
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:

Set the attribute on condition type BERL-HT to MN on drop group 2, DS1 5 for a 2-second activation and deactivation.

SET-ATTR-T1:RALGH:DG2-T1-5:45::MN,BERL-HT,,,4,2;

```

RALGH 99-11-24 12:50:30
M 45 COMPLD
/* SET-ATTR-T1:RALGH:DG2-T1-5:45::MN,BERL-HT,,,4,2 */
;

```

Related Commands:

[RTRV-ALM-T1](#)
[RTRV-ATTR-T1](#)

RTRV-COND-T1