

# Command: SET-TH-STS1

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

## Definition:

Set threshold on STS1.

## Restrictions:

All parameters in this command are position-defined.

## Function:

To set the STS1 path threshold levels.

## Command Format:

**SET-TH-STS1:[tid]:aidstsp:[ctag]::monststh,thlev,,,[tmper];**

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.
aidstsp	Access identification code that identifies a STS1 path. 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: lgx-STS1-stspath Line group STS1 path where: lgx = LG1, LG2 stspath = 1...12 (grouping and ranging allowed) dgx-STS1-stspath Drop group STS1 path where: dgx = DG1, DG2, DG3 stspath = 1...4 (grouping and ranging allowed) ALL All STS1 paths CUSTDFLT Customer-defined defaults
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
monststh	STS1 path threshold type (see Table <a href="#">H</a> ). The

	value can be preceded by MONSTSTH=, but this is not required. Grouping is allowed.
thlev	Performance monitoring threshold level (see Table H). The default can be specified with the CUSTDFLT AID.
[tmper]	Duration of performance monitoring. Valid values are: 1-DAY One day 15-MIN Fifteen minutes

**Table H. STS1 Thresholds**

MONITOR TYPE	ALCATEL FACTORY DEFAULTS		RANGE	DESCRIPTION
	15-MIN	1-DAY		
BERP-HT	4		3...4	Bit Error Ratio Path - high threshold (SFBER)
BERP-LT	6		5...9	Bit Error Ratio Path - low threshold (DGBER)
CVP	15	125	1...4,294,967,295	Coding violation count (path)
DSESP	2400		1...65535	Number of coding violations to make one SESP
ESP	12	100	1...65535	STS Path Errored Seconds
NPJCDET	60	5760	1...4,294,967,295	Negative pointer justification count detected
NPJCGEN	60	5760	1...4,294,967,295	Negative pointer justification count generated
PPJCDET	60	5760	1...4,294,967,295	Negative pointer justification count detected
PPJCGEN	60	5760	1...4,294,967,295	Negative pointer justification count generated
PJCSDET	60	5760	1...4,294,967,295	Pointer justification count seconds detected
PJCSGEN	60	5760	1...4,294,967,295	Pointer justification count seconds generated
PJCDIFF	60	5760	1...4,294,967,295	Pointer justification

				count difference
SESP	3	7	1...65535	STS Path Severely Errored Seconds
UASP	10	10	1...65535	STS Path Unavailable Seconds

## 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-TH-STSl: [tid]:aidstsp: [ctag]::monststh,thlev,,, [tmper] */
;
```

### Error Response:

```

    sid yy-mm-dd hh:mm:ss
M  c DENY
    /* SET-TH-STSl: [tid]:aidstsp: [ctag]::monststh,thlev,,, [tmper] */
    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 <a href="#">C</a> )

## Example:

Set the STS1 path performance monitoring threshold for the 15-minute time period on the CVP for STS1 path 2 in line group 2 to a value of 500.

```
SET-TH-STS1:RALGH:LG2-STS1-2:55::CVP,500,,,15-MIN;  
RALGH 99-11-24 12:50:30  
M 55 COMPLD  
/* SET-TH-STS1:RALGH:LG2-STS1-2:55::CVP,500,,,15-MIN */  
;
```

## Related Commands:

[INIT-REG-STS1](#)  
[RTRV-ALM-STS1](#)  
[RTRV-PM-STS1](#)  
[RTRV-TH-STS1](#)