

Command: SET-ATTR-LAN

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

Definition:

Set local area network (LAN) alarm attributes.

Restrictions:

All parameters in this command are position-defined.

Function:

To set the attributes of alarm indicators for the LAN.

Command Format:

SET-ATTR-LAN:[tid]:aidlan:[ctag]::[ntfcncde],[condlan],,,:[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.
aidlan	Access identification code that identifies a LAN. The value can be preceded by AID=, but this is not required. Valid values are: LANA Associated with NEPA LANB Reserved for future use
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[ntfcncde]	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
[condlan] (see NOTE)	Condition type of the LAN. The value can be preceded by CONDTYPE=, but this is not required. Grouping is allowed. Valid values are: CARLOS Loss of carrier. Generated when a carrier-lost indication is sensed by the LAN

	controller during frame transmission. When this loss is reported, an alarm is immediately deployed and not cleared until either a good frame is received or a good transmission occurs. DUPADR Duplicate address error. Generated at LAN initialization if a duplicate address check fails. (This check verifies that the address being used does not exist on the network.) The alarm is cleared during a system cold or warm restart. The condition types are listed in Table E with Alcatel factory default attributes.
[act]	Activation time, in half seconds (0...20), for declaring an alarm condition. Default can be specified with the CUSTDFLT AID.
[deact]	Deactivation time, in seconds (0...20), for declaring an alarm condition cleared. Default can be specified with the CUSTDFLT AID.
NOTE: A null entry defaults to all values for this parameter.	

Table E. LAN Alarm Conditions and Alcatel Factory Default Attributes

ALARM CONDITION	DESCRIPTION	DEFAULTS		
		NTFCTNCDE	ACT TIME	DEACT TIME
LAN:				
CARLOS	Loss of carrier	MN	5	10
DUPADR	Duplicate address error	MN	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-LAN: [tid]:aidlan:[ctag]::[ntfcncde],[condlan],,,,: */
    /* [act],[deact] */
    /* optional free format text */
;
```

Error Response:

```
sid yy-mm-dd hh:mm:ss
M c DENY
/* SET-ATTR-LAN:[tid]:aidlan:[ctag]::[ntfcncde],[condlan],,,,: */
/* [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:

Sets the attributes of a duplicate address error alarm for LANA. This minor level alarm has an activation time of 5 seconds and a deactivation time of 15 seconds.

SET-ATTR-LAN:RAL:LANA:45::MN,DUPADR,,,:5,15;

```
RAL 99-11-24 11:27:30
M 45 COMPLD
/* SET-ATTR-LAN:RAL:LANA:45::MN,DUPADR,,,:5,15 */
;
```

Related Commands:

[RTRV-ALM-LAN](#)

[RTRV-ATTR-LAN](#)

[RTRV-COND-LAN](#)