Command: RTRV-ALM-USRLAN

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

Definition:

Retrieve alarm User LAN.

Restrictions:

All parameters of this command are position-defined.

Function:

To retrieve the current alarms of a User LAN (Ethernet) facility. The alarms to be retrieved can be specified by using the parameters as a filter. Existing alarms satisfying all input parameters are reported in the response message.

Command Format:

RTRV-ALM-USRLAN:[tid]:aidusrlan:[ctag]::[ntfcncde],[condusrlan],[srveff],, [dirn],[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.
aidusrlan	Access identification code that identifies a User LAN facility. The value can be preceded by AID=, but this is not required. Groupingand ranging are allowed. Enter one of the following formats, replacing lowercase parameters with the values given: dgy-USRLAN-lannum User LAN drop group facility where: dgy = 1...3 lannum = 1...4 ALL All User LAN facilities
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[ntfcncde]	Notification code associated with a signal alarm condition. Valid values are:

	CR Critical alarm MJ Major alarm MN Minor alarm
[condusrlan]	Condition type of the User LAN. The value can be preceded by CONDTYPE=, but this is not required. Grouping is allowed. Valid values are: INHPMREPTNDC Inhibit all NDC scheduled PM reports INHPMREPTQOS Inhibit all QOS scheduled PM reports LOS Loss of signal MTCE Removed from service for maintenance T-CSERR Threshold violation for carrier sense errors T-DISFR Threshold violation for frames discarded due to no buffer available T-FRCRC Threshold violation for total received frames with bad FCS T-LFR Threshold violation for total received frames longer than maximum T-EXCOL Threshold violation for excessive transmit collisions T-LFRCOL Threshold violation for late transmit collisions
[srveff]	Effect on service caused by the alarm condition. The value can be preceded by SRVEFF=, but this is not required. Valid values are: SA Service-affecting condition. Immediate action required. NSA Non-service-affecting condition
[dirn]	Direction of performance monitoring. Grouping is allowed. Valid values are: RCV Receive direction TRMT Transmit direction
[tmper]	Duration of performance monitoring. Valid values are: 1-DAY One day 15-MIN Fifteen minutes

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
    /* RTRV-ALM-USRLAN:[tid]:aidusrlan:[ctag]::[ntfcncde],[condusrlan],
```

```
*/
   /* [srveff],,[dirn],[tmper] */

"aidusrlan,aidtype:ntfcncde,condusrlan,srveff,,,,[dirn],[tmper]:[condd
escr],
   [aiddet]:,[tblislt]"
;
```

Error Response:

```
   sid yy-mm-dd hh:mm:ss
M  c DENY
   /* RTRV-ALM-USRLAN:[tid]:aidusrlan:[ctag]::[ntfcncde],[condusrlan],
*/
   /* [srveff],,[dirn],[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 C)
aidusrlan	As described for command parameters, except that ALL is not used
aidtype	Type of access identifier. In this case, it is USRLAN.
ntfcncde	As described for command parameters
condusrlan	As described for command parameters
srveff	As described for command parameters
dirn	As described for command parameters
conddescr	Description of the trouble (1...62 characters)
aiddet	Supplementary equipment identification that identifies the location of the reported trouble. Valid values are A, B, AB.
tblislt	Significance of the isolation information provided by the aid included in this message.

	Valid values are: ISLTD Isolated. The aid is a replaceable or repairable unit. NIMAN Not isolated. Isolation must be performed manually. Suspected units are identified in the aid. NIPSS Not isolated. All diagnostics passed. Suspected units are identified in the aid. DGN Diagnostic in progress

Example:

Retrieve all the minor alarms on drop group 2 User LAN facility that were caused by exceeding the 15-minute threshold.

RTRV-ALM-USRLAN:RALGH:DG2-USRLAN-1:45::MN,,,,RCV,15-MIN;

```
   RALGH 99-11-26 08:40:15
M  45 COMPLD
   /* RTRV-ALM-USRLAN:RALGH:DG2-USRLAN-1:45::MN,,,,RCV,15-MIN */
   "DG2-USRLAN-1,USRLAN:MN,MTCE,NSA,,,,RCV,15-MIN:,:,"
;
```

Related Commands:

RTRV-ATTR-USRLAN
RTRV-COND-USRLAN
SET-ATTR-USRLAN