

Command: RTRV-PM-OC12

Message category: Network Maintenance

Application: Add/Drop, Rings

Definition:

Retrieve performance monitoring on OC12.

Restrictions:

All parameters in this command are position-defined.

Function:

To retrieve OC12 facility performance monitoring data.

Command Format:

RTRV-PM-OC12:[tid]:aidoc12:[ctag]::[monoc12],[monlev],[locn],,[tmper],[mondatt],[montm];

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.
aidoc12	Access identification code that identifies an OC12 facility. The value can be preceded by AID=, but this is not required. Grouping is allowed. Enter one of the following formats, replacing lowercase parameters with the values given: lgx-oc12s Line group OC12 facility where: lgx = LG1, LG2 oc12s = OC12, OC12A, OC12B ALL All OC12 facilities
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[monoc12]	OC12 performance monitoring type. The value can be preceded by MONTYPE=, but this is not required. Valid values are:
	CVL Coding violation count - line (NEND or

	FEND) CVS Coding violation count - section (NEND only)
	ESL Errored seconds in the Line (NEND or FEND) ESS Errored seconds in the Section (NEND only) FCL Line failure count (NEND or FEND) PSC Protection switch count (NEND only) PSD Protection switch duration (number of seconds on side B facility when revertive switching is enabled, see ED-FFP-OC12 command) (NEND only) SEFS Severely errored framing seconds - OOFs/COFAS (NEND only) SESL Severely errored seconds in the Line (NEND or FEND) SESS Severely errored seconds in the Section (NEND only) UASL Unavailable seconds in the Line (NEND or FEND)
[locn]	Location where performance monitoring is reported. Valid values are: FEND Far end NEND Near end (Alcatel factory default)
[monlev]	Retrieval threshold level for requested monitored parameter. Valid values are: lev-dirn Level and direction where: lev = Monitoring level range (0...32768) dirn = Direction. Valid values are: UP Values equal to or greater than the value of lev DN Values equal to or less than the value of lev
[tmper]	Duration of performance monitoring. Values are: 1-DAY One day 15-MIN Fifteen minutes
[mondatt]	Date when performance monitoring begins. Values are: mon-day Month and day where: mon = 1...12 day = 1...31
[montm]	Time when performance monitoring begins. Does not apply when tmper equals 1-DAY. Values are: hh-mm Hour and minute where: hh = 0...23 mm = 0...59 ALL All beginning times that are available for the specified mondat in the NE

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-PM-OC12:[tid]:aidoc12:[ctag]::[monoc12],[monlev],[locn],,
*/
/* [tmper],[mondatt],[montm] */
"aidoc12,aidtype:monoc12,monval,[vldty],[locn],,[tmper],[mondatt],
[montm]"
;
```

Error Response:

```
sid yy-mm-dd hh:mm:ss
M c DENY
/* RTRV-PM-OC12:[tid]:aidoc12:[ctag]::[monoc12],[monlev],[locn],,
*/
/* [tmper],[mondatt],[montm] */
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
aidoc12	As described for command parameters
aidtype	Type of aid. In this case, it is OC12.

monoc12	As described for command parameters
monval	Measured value (0...4,294,967,295) of a monitored parameter that may contain data related to transmission performance or circuit activity
vldty	Validity indicator for historical monitoring information. Values are: ADJ Data has been manually adjusted or initialized COMPL Data is accumulated over the entire time period PRTL Data is accumulated over some portion of the time period NA Data is not available
locn	As described for command parameters
tmper	As described for command parameters
mondatt	As described for command parameters
montm	As described for command parameters
errcde	Error code (see Appendix C)

Example:

Retrieve the line group 2 OC12 performance monitoring data register count for the 15-minute time period, starting at 8 p.m., March 4, on the coding violation count (line).

RTRV-PM-OC12:RALGH:LG2-OC12:55::CVL,NEND,,15-MIN,03-04,20-00;

RALGH 99-11-05 12:50:30

M 55 COMPLD

/* RTRV-PM-OC12:RALGH:LG2-OC12:55::CVL,NEND,,15-MIN,05-22,20-00 */

"LG2-OC12A,OC12:CVL,766,COMPL,NEND,,15-MIN,03-04,22-00"

"LG2-OC12B,OC12:CVL,200,COMPL,NEND,,15-MIN,03-04,22-00"

;

Related Commands:

[INIT-REG-OC12](#)

[RTRV-PMODE-OC12](#)

[SET-PMODE-OC12](#)