

Command: RTRV-PM-VPL

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

Definition:

Retrieve performance monitoring on VPL.

Restrictions:

All parameters in this command are position-defined.

Function:

To retrieve data on virtual path link (VPL) performance monitoring registers.

Command Format:

RTRV-PM-VPL:[tid]:aidvpl:[ctag]::[monvpl],[monlev],[locn],[dirn],[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.
aidvpl	Access identification code that identifies a VPL. 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-VPL-lsts-vpnum VPL line group facility where: lgx: = LG1, LG2 lsts: = 1...12 vpnum: = 0...511 dgy-VPL-n-vpnum VPL drop group facility where: dgy = DG1, DG2, DG3 n: = 1...4 vpnum: = 0...4095

	ALL All VPL facilities
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[monvpl]	VPL performance monitoring type. The value can be preceded by MONTYPE=, but this is not required. Valid values are: EC Errored cells IMP0+1 Impaired cell blocks IMPLSTMIS Impaired cell blocks with cells lost or misinserted LOS0 Lost 0 user information cells LOS0+1 Lost 0+1 user information cells MIS0+1 Misinserted user information cells POLCD0 CPL0 cells discarded due to policing POLCD0+1 CPL0+1 cells discarded due to policing POLTAG0 CPL0 cells tagged due to policing SECB Severely errored cell blocks SECBE Severely errored cell blocks due to bit errors SECBM Severely errored cell blocks due to misinserted cells TCINVP Total incoming NDC-valid ATM cells per VPL TCOUTVP Total outgoing NDC-valid ATM cells per VPL TLOS0 Total lost 0 user information cells TLOS0+1 Total lost 0+1 user information cells TXC0 Transmitted 0 user information cells TXC0+1 Transmitted 0+1 user information cells
[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 The Alcatel factory default is 1-UP.
[locn]	Location where performance monitoring is reported. Valid values are: FEND Far end NEND Near end BOTH Both ends (default)
[dirn]	Direction of performance monitoring. Grouping is allowed. Valid values are: RCV Receive TRMT Transmit BOTH Transmit and receive directions (default)
[tmper]	Duration of performance monitoring. Values are: 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 The Alcatel factory default is 00-00. 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-VPL:[tid]:aidvpl:[ctag]::[monvpl],[monlev],[locn],[dirn], */
/* [tmper],[mondat],[montm] */

"aidvpl,aidtype:monvpl,monval,[vldty],[locn],[dirn],[tmper],[mondat],[
montm]"
;
```

Error Response:

```

    sid yy-mm-dd hh:mm:ss
M  c DENY
/*
RTRV-PM-VPL:[tid]:aidvpl:[ctag]::[monvpl],[monlev],[locn],[dirn], */
/* [tmper],[mondat],[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
aidvpl	As described for command parameters except that ALL is not used
aidtype	Type of aid. In this case, it is VPL.
monvpl	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 accumulated over the entire time period PRTL Data accumulated over some portion of the time period NA Data not available
[locn]	As described for command parameters
[dirn]	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 performance monitoring register count for total incoming NCD-valid ATM cells per VPL on LG1-VPL-4-27 for the 15-minute time period starting at 8 p.m., March 4.

RTRV-PM-VPL:RALGH:LG1-VPL-4-27:55::TCINVP,1000-UP,NEND,,15-MIN,03-04,20-00;

RALGH 99-11-05 12:50:30

M 55 COMPLD

/*

RTRV-PM-VPL:RALGH:LG1-VPL-4-27:55::TCINVP,1000-UP,NEND,,15-MIN,03-04,20-00 */

"LG1-VPL-4-27,VPL:TCINVP,3000,COMPL,,15-MIN,03-04,20-00"

;

Related Commands:

[INIT-REG-VPL](#)

[RTRV-PMODE-VPL](#)

[SET-PMODE-VPL](#)