

# Command: RTRV-PM-ATMPORT

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

## Definition:

Retrieve performance monitoring on ATM port.

## Restrictions:

All parameters in this command are position-defined.

## Function:

To retrieve data on ATM port performance monitoring registers.

## Command Format:

RTRV-PM-ATMPORT:[tid]:aidatmport1:[ctag]::[monatmport],[monlev],,[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.
aidatmport	Access identification code that identifies an ATM port. 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-ATMPORT-ists ATM port line group facility where: lgx = 1, 2 ists = 1...12 dgy-ATMPORT-n ATM port drop group facility where: dgy = 1...3 n = 1...4 ALL All ATMPORT entities
[ctag]	Correlation tag (1...6 characters) that links an

	input command with associated output responses. The default is 0.
[monatmport]	ATM port performance monitoring type. The value can be preceded by MONTYPE=, but this is not required. Valid values are: CDHDRVVP Cells discarded due to VP header errors
[monatmport] (cont)	CDHEC Cells discarded due to HEC violations OCD Out of cell delineation anomalies
	TCIN Total incoming NDC-valid ATM cells per port TCOUT Total outgoing NDC-valid ATM cells per port
[monlev]	Retrieval threshold level for the requested monitored parameter. Valid values are: lev-dirn Level and direction where: lev = Monitoring level range (0...32768) dirn = Direction. Valid values are: UP Monitored parameter with values equal to or greater than the value of lev is reported DN Monitored parameter with values equal to or less than the value of lev is reported
[dirn]	Direction of cell flow. Valid values are:. RCV Receive TRMT Transmit BOTH Both directions (default)
[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-ATMPORT:[tid]:aidatmport:[ctag]::[monatmport],[monlev],,[dirn]
, */
    /* [tmper],[mondatt],[montm] */

"aidatmport,aidtype:monatmport,monval,[vldty],,[dirn],[tmper],[mondatt]
,[montm]"
;
```

## Error Response:

```
    sid yy-mm-dd hh:mm:ss
M   c DENY
    /*
RTRV-PM-ATMPORT:[tid]:aidatmport:[ctag]::[monatmport],[monlev],,[dirn]
, */
    /* [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
aidatmport	As described for command parameters except that ALL is not used

aidtype	Type of aid; in this case, it is ATMPORT.
monatmport	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
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 <a href="#">E</a> )

## Example:

Retrieve the performance monitoring register count for cells discarded for HEC violations on drop group 1 ATM port (DG1-ATMPORT-1) for the 15-minute time period starting at 8 p.m., March 4.

```
RTRV-PM-ATMPORT:RALGH:DG1-ATMPORT-1:55::CDHEC,,,15-MIN,03-04,20-00;
    RALGH 99-11-05 12:50:30
M  55 COMPLD
/*
RTRV-PM-ATMPORT:RALGH:DG1-ATMPORT-1:55::CDHEC,,,15-MIN,03-04,20-00 */
    "DG1-ATMPORT-1,ATMPORT:CDHEC,3,COMPL,,,15-MIN,03-04,20-00"
;
```

## Related Commands:

[INIT-REG-ATMPORT](#)  
[RTRV-PM-ATMPORT](#)  
[SET-PM-ATMPORT](#)