

Command: RTRV-IP

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

Definition:

Retrieve Internet Protocol (IP).

Restrictions:

All parameters in this command are position-defined.

Function:

To retrieve the IP setup of the NE.

Command Format:

RTRV-IP:[tid]:aidip:[ctag]::.,;

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.
aidip	Access identification code that identifies an IP. The value can be preceded by AID=, but this is not required. Valid values are: COMIP Common Internet Protocol setup identifier ALCLDFLT Alcatel factory default CUSTDFLT Customer-defined default
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.

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-IP:[tid]:aidip:[ctag]:::, */
aidip::[ip_nblk]:pst,,
;
```

Error Response:

```
sid yy-mm-dd hh:mm:ss
M c DENY
/* RTRV-IP:[tid]:aidip:[ctag]:::, */
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
[ip_nblk]	Named parameter block for IP. The block consists of the following parameters in any order, separated by commas. Each parameter name is followed by an equal sign and a value. IPADDR NE IP address in dotted-decimal form. Values are: nnn.ddd.ddd.ddd where: nnn = 0...126, 128...223 ddd = 0...255
	NETMASK NE subnetwork mask in dotted-decimal form. Values are: 255.ddd.ddd.ddd where: ddd = 0...255
	DFLT_ROUTER NE default router's IP address in dotted-decimal form. Values are: nnn.ddd.ddd.ddd where: nnn = 0...126, 128...223 ddd = 0...255

pst	Primary state (condition) of entity. Values are: IS-NR In-Service (all designated services functioning normally) OOS-MA-UAS Out-Of-Service (out-of-service for memory-administration, service parameters unassigned) OOS-MA-AS Out-Of-Service (out-of-service for memory-administration, service parameters assigned)
errcde	Error code (see Appendix C)

Example:

Retrieve the NE IP setup.

RTRV-IP:RAL:COMIP:45:,,,;

RAL 99-11-24 11:27:30

M 45 COMPLD

/* RTRV-IP:RAL:COMIP:45:,,, */

"COMIP::IPADDR=37.191.74.168,NETMASK:255.255.192.0,DFLT-ROUTER=0.0.0.0
:IS-NR,,,";

Related Commands:

[ED-IP](#)

[ENT-IP](#)

[DLT-IP](#)