Command: RTRV-IPTABLE

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

Definition:

Retrieve Internet Protocol Table.
Restrictions:

All parameters in this command are position-defined.
Function:

To retrieve the NE IP routing table.
Command Format:

RTRV-IPTABLE:[tid]:aidiptable:[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.
aidiptable	Access identification code for IP routing table. Valid values are: IPROU The default routing table. ALL All IP routes provisioned for the NE.
[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-IPTABLE:[tid]:aidiptable:[ctag]: */
    aidiptable::[iptable_nblk]
;
```

Error Response:

```
    sid yy-mm-dd hh:mm:ss
M   c DENY
    /* RTRV-IPTABLE:[tid]:aidiptable:[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
[iptable_nblk]	Named parameter block for IP parameters. The block consists of the following parameters in any order, separated by commas. Each parameter name is followed by an equal sign and a valid value. IPADDR NE IP address in dotted-decimal form. Values are: nnn.ddd.ddd.ddd
	NETMASK NE subnetwork mask in dotted-decimal form. Values are: 255.ddd.ddd.ddd IPADDRNEXT IP address of the next NE in the route to the EMG, in dotted-decimal form. Valid values are: ddd.ddd.ddd.ddd where: nnn = 0...126, 128...223 ddd = 0...255 INTERFACE The EMG (Edge Management Gateway) interface for the route. Valid values are: lana The first local area network interface

	for the route. lpbk The loopback internal route. ipt-n IP tunnel for the route. where: n = 1...128 ROUTETYPE The type of connection between the NE and the peer specified by IPADDR. Values are DIRECT and INDIRECT.
errcde	Error code (see Appendix C)

Example:

Retrieve the NE IP table.
RTRV-IPTABLE:RAL:IPROU:45:;

```
   RAL 99-11-24 11:27:30
M  45 COMPLD
   /* RTRV-IPTABLE:RAL:IPROU:45:::;, */
   "IPROU::IPADDR=127.0.0.1,NETMASK=255.255.255.255,INTERFACE=LPBK,
   ROUTETYPE=DIRECT"

"IPROU::IPADDR=192.168.1.150,NETMASK=255.255.255.255,INTERFACE=IPT-1,
   ROUTETYPE=DIRECT"
```

Related Commands:

DLT-IP	DLT-IPROUTE	DLT-IPT
ED-IP	ED-IPROUTE	ED-IPT
ENT-IP	ENT-IPROUTE	ENT-IPT
RTRV-IP	RTRV-IPROUTE	
DLT-IPAREA		
ED-IPAREA		
RTRV-IPAREA		