

# Command: RTRV-SECU-CMD

Message category: Security Administration  
Application: Add/Drop, Rings

## Definition:

Retrieve security on commands.

## Restrictions:

All parameters in this command are position-defined.

## Function:

To retrieve security levels associated with a command. Security levels for commands are not shown if they are higher than the user's security privilege levels. The optional parameters *pcmaint*, *pcprov*, *pcsecu*, and *pctest* can be used with *verbmod* =ALL to retrieve all commands that have security levels less than or equal to the specified values.

## Command Format:

RTRV-SECU-CMD:[tid]:verbmod:[ctag]:[pcmaint],[pcprov],[pcsecu],[pctest];

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.
verbmod	Command verb and associated modifiers (3...20 characters) that identify the command whose security level is to be retrieved. The value can be preceded by AID=, but this is not required. ALL is allowed.
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
pcmaint	Authorization level (0...7) for users using the CID to execute maintenance commands. The value can be preceded by PCMAINT=, but this is not required. 1 indicates the least privileged level, 7 the most privileged. 0 disables security checking for this category.

pcprov	Authorization level for users using the CID to execute provisioning commands. The value can be preceded by PCPROV=, but this is not required. 1 indicates the least privileged level, 7 the most privileged. 0 disables security checking for this category.
pcsecu	Authorization level for users using the CID to execute security commands. The value can be preceded by PCSECU=, but this is not required. 1 indicates the least privileged level, 7 the most privileged. 0 disables security checking for this category.
pctest	Authorization level for users using the CID to execute test commands. The value can be preceded by PCTEST=, but this is not required. 1 indicates the least privileged level, 7 the most privileged. 0 disables security checking for this category.

## 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-SECU-CMD:[tid]:verbmod:[ctag]:[pcmaint],[pcprov],[pcsecu],
*/
    /* [pctest] */
    "verbmod:[pcmaint],[pcprov],[pcsecu],[pctest]"
;

```

### Error Response:

```

    sid yy-mm-dd hh:mm:ss
M  c DENY
    /* RTRV-SECU-CMD:[tid]:verbmod:[ctag]:[pcmaint],[pcprov],[pcsecu],
*/
    /* [pctest] */
    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
errcde	Error code (see Appendix C)
verbmod	As described for command parameters
pcmaint	As described for command parameters
pcprov	As described for command parameters
pcsecu	As described for command parameters
pctest	As described for command parameters

## Example:

Retrieve all commands with security levels less than or equal to 2, 1, 2, 1.

**RTRV-SECU-CMD:RAL:ED-SECU-CMD:666:2,1,2,1;**

RAL 99-11-24 12:50:30

M 666 COMPLD

/\* RTRV-SECU-CMD:RAL:ED-SECU-CMD:666:2,1,2,1 \*/

"ACT-USER:PCMAINT=1,PCPROV=1,PCSECU=1,PCTEST=1"

"RTRV-HDR:PCMAINT=1,PCPROV=1,PCSECU=1,PCTEST=1"

;

## Related Commands:

[ED-SECU-CID](#)

[ED-SECU-CMD](#)

[ED-SECU-USER](#)

[RTRV-SECU-CID](#)

[RTRV-SECU-UPC](#)

[RTRV-SECU-USER](#)