

Command: RTRV-VCL

Message category: Memory Administration

Application: Add/Drop, Rings

Definition:

Retrieve Virtual Channel Link (VCL).

Restrictions:

All parameters in this command are position-defined except *vcl_nblk*, which is name-defined.

Function:

To retrieve the provisioning data and state associated with an assigned virtual channellink.

Command Format:

RTRV-VCL:[tid]:aidvcl:[ctag]::[psth],;

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.
aidvcl	Access identification code that identifies a VCL. The value can be preceded by AID=, but this is not required. Enter one of the following formats, replacing lowercase parameters with the values given: dgy-VCL-1-vpnum-vcnum Drop group VCL facility where: dgy = DG1, DG2, DG3 vpnum = 0...4095 vcnum = 17...65535 ALL All VCL facilities 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.
[psth]	Desired primary state (condition) of tentity. Valid

	values are: AS Assigned (default) IS In-Service (normal -NR, or abnormal -ANR is implied and determined by the NE) OOS Out-Of-Service (out-of-service due to provisioning memory-administration operations is implied) MA Memory Administration (OOS-MA is implied)
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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:

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    sid yy-mm-dd hh:mm:ss
M  c COMPLD
    /* RTRV-VCL:[tid]:aidvcl:[ctag]:::[pstf], */
    aidvcl::[vc_nblk]:pst,[sst],[ast]
;

```

Error Response:

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    sid yy-mm-dd hh:mm:ss
M  c DENY
    /* RTRV-VCL:[tid]:aidvcl:[ctag]:::[pstf], */
    errcde
;

```

Response Parameters (cont)	
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
aidvcl	As described for command parameters except that ALL is not used
[vc_nblk]	Named parameter block for VCL. 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. ALWCONTCN Whether connection continuity check is allowed by default. Only used when AID=CUSTDFLT. Values are Y(es) and (N)o.
	ALWCONTSEG Whether segment continuity check is allowed by default. Only used when AID=CUSTDFLT. Valid values are Y(es) and (N)o.
	ALWPMCON Whether connection PM reporting is allowed by default. Only used when AID=CUSTDFLT. Values are Y(es) and (N)o.
	ALWPMSEG Whether segment PM reporting is allowed by default. Only used when AID=CUSTDFLT. Values are Y(es) and (N)o.
	ALWPMREPTCQOS Whether connection quality of service PM reporting is allowed by default. Only used when AID=CUSTDFLT. Values are Y(es) and (N)o.
	ALWPMREPTSQOS Whether segment quality of service PM reporting is allowed by default. Only used when AID=CUSTDFLT. Values are Y(es) and (N)o.
	BKWDRPTSE Whether performance monitoring backward reporting cells should be generated when the PM process is active on the segment endpoint. Values are Y(es) and (N)o.
[vc_nblk] (cont)	LOC_AIS Whether VC AIS should be generated on the detection of VC segment loss of continuity. Values are Y(es) and (N)o.
	VCSE Whether VC segment endpoint is present. Values are Y(es) and (N)o.
pst	As described for command parameters
[sst]	Current active state (condition) of entity. Values are: ACT Active side SX Configuration simplex WORK Working
[ast]	Associated state of entity. Values are: FAF Facility failure (fault in supporting facility)

	FEF Family of equipment failure (supporting equipment has failed or is unequipped)
	UEA Underlying entity abnormal (supporting entity is IS-ANR or OOS)
errcde	Error code (see Appendix C)

Example:

Retrieve the provisioning data for DG1-VCL-1-4-29.

RTRV-VCL:RALGH:DG1-VCL-1-4-29:77:::ALL;

RALGH 99-11-27 14:50:33

M 77 COMPLD

/* RTRV-VCL:RALGH:DG1-VCL-1-4-29:77:::ALL */

DG1-VCL-1-4-29::VCSE=N,LOC_AIS=N,BKWDPTSE=N:OOS-MA-AS, ,UEA

;

Related Commands:

DLT-VCL

[ED-VCL](#)

ENT-VCL