Command: RTRV-ATTR-EC1

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

Definition:

Retrieve attributes of EC1 facility.

Restrictions:

All parameters in this command are position-defined.

Function:

To retrieve the current attributes of the EC1 facility condition types.

Command Format:

RTRV-ATTR-EC1:[tid]:aidec1:[ctag]::[ntfcncde],[condec1],[locn],,[tmper]:,[act],[deact];

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.
aidec1	Access identification code that identifies a EC1 facility. 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: dgx-EC1-stspath EC1 drop group facility where: dgx = DG1, DG2, DG3 stspath = 1...4 (grouping and ranging allowed) ALL All EC1 facilities CUSTDFLT Customer-defined default ALCLDFLT Alcatel factory default
[ctag]	Correlation tag (1...6 characters) that links an input command with associated output responses. The default is 0.
[ntfcncde] (see NOTE)	Notification code associated with a signal alarm condition. Valid values are: CR Critical alarm MJ Major alarm MN Minor

	alarm NA Not alarmed, reported via report event NR Not reported when the event occurs, information retained in NE
[condec1] (see NOTE)	Condition type of the EC1 entity. The value can be preceded by CONDTYPE=, but this is not required. Grouping is allowed. The condition types are listed in Table I with Alcatel factory default attributes.
[locn]	Location where performance monitoring is reported. Valid values are: FEND Far end NEND Near end (Alcatel factory default)
[tmper] (see NOTE)	Duration of performance monitoring. Valid values are: 1-DAY One day 15-MIN Fifteen minutes
[act] (see NOTE)	Activation time, in half seconds (0...20), for declaring an alarm condition
[deact] (see NOTE)	Deactivation time, in seconds (0...20), for declaring an alarm condition cleared
NOTE: A null entry defaults to all values for this parameter.	

Table I. EC1 Alarm Conditions and Alcatel Factory Default Attributes

ALARM CONDITION	DESCRIPTION	DEFAULTS		
		NTFCTNCDE	ACT TIME	DEACT TIME
EC1 Facility:				
AISL	Line AIS	NR	5	10
APSB	APS byte failure	MJ	5	10
BERL-HT	BER Line - high threshold	CR	5	10
BERL-LT	BER Line - low threshold	MJ	5	10
INHPMREPT	Inhibit PM report	NR	5	10
LOF	Loss of frame	CR	5	10
LOS	Loss of signal	CR	5	10
MTCE	Remove from service for maintenance	MN	0	0
RFI	Far end failure	NR	5	10
SECTRCMF	Section tracer mismatch	MN	5	10
SYNCLEVINCHG	Synchronization message change	NA*	5	10
SYNCLEVINFAIL	Synchronization message failure	MN	5	10
T-CVL	Coding violation threshold crossing	NA	5	10

	- line			
T-CVS	Coding violation threshold crossing - section	NA	5	10
T-BPV	BPV TCA 15MIN/1DAY	NA	5	10
T-ESL	Line errored seconds TCA 15MIN/1DAY, NEND/FEND	NA	5	10
T-ESS	Section errored seconds TCA 15MIN/1DAY	NA	5	10
T-SEFS	Severe err framing secs TCA 15MIN/1DAY	NA	5	10
T-SESL	Line severe err secs TCA 15MIN/1DAY, NEND/FEND	NA	5	10
T-SESS	Section severe err secs TCA 15MIN/1DAY	NA	5	10
T-UASL	Line unavailable seconds TCA 15MIN/1DAY, NEND/FEND	NA	5	10
This condition can be provisioned only as NA or NR.				

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-ATTR-EC1:[tid]:aidec1:[ctag]::[ntfcncde],[condec1], */
   /* [locn],,[tmper]:,[act],[deact] */
   "aidec1,aidtype:ntfcncde,condec1,[locn],,[tmper]:,act,deact"
;
```

Error Response:

```
    sid yy-mm-dd hh:mm:ss
M   c COMPLD
    /* RTRV-ATTR-EC1:[tid]:aidec1:[ctag]::[ntfcncde],[condec1], */
    /* [locn],,[tmper]:,[act],[deact] */
    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)
aidec1	As described in command parameters; ALL not valid
aidtype	The type of access identifier. In this case, it is EC1.
ntfcncde	As described in command parameters
condec1	As described in command parameters
locn	As described in command parameters
tmper	As described in command parameters
act	As described in command parameters
deact	As described in command parameters

Example:

Retrieve the attributes of drop group 2 EC1 facility for the AISL alarm.
RTRV-ATTR-EC1:RALGH:DG2-EC1-1:45::,AISL;

```
    RALGH 99-11-01 17:15:12
M   45 COMPLD
    /* RTRV-ATTR-EC1:RALGH:DG2-EC1-1:45::,AISL */
    "DG2-EC1-1,EC1:NA,AISL,NEND,,:,5,5"
;
```

Related Commands:

RTRV-ALM-EC1
RTRV-COND-EC1
SET-ATTR-EC1