

4- Trap Configuration Commands

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4.1 Trap Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "Trap Configuration Commands".

Command Tree

```

----configure
  ----trap
    ----definition
      - (name)
      - priority
    ----[no] manager
      - (address)
      - [no] priority
      - [no] cold-start-trap
      - [no] link-down-trap
      - [no] link-up-trap
      - [no] auth-fail-trap
      - [no] change-trap
      - [no] line-test-trap
      - [no] init-started-trap
      - [no] lic-key-chg-occr
      - [no] topology-chg
      - [no] selt-state-chg
      - [no] dhcp-sess-pre
      - [no] alarm-chg-trap
      - [no] phys-line-trap
      - [no] eqpt-change-trap
      - [no] success-set-trap
      - [no] other-alarm-trap
      - [no] warning-trap
      - [no] minor-trap
      - [no] major-trap
      - [no] critical-trap
      - [no] redundancy-trap
      - [no] eqpt-prot-trap
      - [no] craft-login-trap
      - [no] restart-trap
      - [no] ntr-trap
      - [no] rad-srvr-fail
      - [no] login-occr-trap
      - [no] logout-occr-trap
      - [no] trapmgr-chg-trap
      - [no] mst-genral
      - [no] mst-error
      - [no] mst-protocol-mig
      - [no] mst-inv-bpdu-rx
      - [no] mst-reg-conf-chg
      - [no] dying-gasp
      - [no] alrm-chg-occur
      - [no] mac-auth-fail

```

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- [no] new-ont-alm
- [no] ont-prov-status
- [no] outofsync
- [no] actual-cp-changed
- [no] register-node
- [no] avail-bw-changed
- [no] login-occr6-trap
- [no] logout-occr6-trap
- [no] trapmgr-chg6-trap
- [no] ont-prov-template
- [no] auto-replan-board
- [no] max-per-window
- [no] window-size
- [no] max-queue-size
- [no] min-interval
- [no] min-severity
- [no] **v6manager**
 - **(ipv6address)**
 - [no] priority
 - [no] cold-start-trap
 - [no] link-down-trap
 - [no] link-up-trap
 - [no] auth-fail-trap
 - [no] change-trap
 - [no] line-test-trap
 - [no] init-started-trap
 - [no] lic-key-chg-occr
 - [no] topology-chg
 - [no] selt-state-chg
 - [no] dhcp-sess-pre
 - [no] alarm-chg-trap
 - [no] phys-line-trap
 - [no] eqpt-change-trap
 - [no] success-set-trap
 - [no] other-alarm-trap
 - [no] warning-trap
 - [no] minor-trap
 - [no] major-trap
 - [no] critical-trap
 - [no] redundancy-trap
 - [no] eqpt-prot-trap
 - [no] craft-login-trap
 - [no] restart-trap
 - [no] ntr-trap
 - [no] rad-srvr-fail
 - [no] login-occr-trap
 - [no] logout-occr-trap
 - [no] trapmgr-chg-trap
 - [no] mst-genral
 - [no] mst-error
 - [no] mst-protocol-mig
 - [no] mst-inv-bpdu-rx
 - [no] mst-reg-conf-chg
 - [no] dying-gasp
 - [no] actual-cp-changed
 - [no] register-node
 - [no] avail-bw-changed
 - [no] alrm-chg-occur

- [no] mac-auth-fail
- [no] outofsync
- [no] new-ont-alm
- [no] ont-prov-status
- [no] login-occr6-trap
- [no] logout-occr6-trap
- [no] trapmgr-chg6-trap
- [no] ont-prov-template
- [no] max-per-window
- [no] window-size
- [no] max-queue-size
- [no] min-interval
- [no] min-severity

4.2 Trap Definition Configuration Command

Command Description

This command allows the operator to define the priority of a given trap.

User Level

The command can be accessed by operators with alarm privileges, and executed by operators with alarm privileges.

Command Syntax

The command has the following syntax:

> configure trap definition (name) [priority <Trap::Priority>]

Command Parameters

Table 4.2-1 "Trap Definition Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(name)	Format: (cold-start link-down link-up auth-failure change-occured line-test-report init-started lic-key-chg-occr topology-chg selt-state-chg dhcp-sess-pre radius-server-failure login-occured logout-occured trapmgr-chg-occr mst-genral mst-error mst-protocol-mig mst-inv-bpdu-rx mst-reg-conf-chg alrm-change-occured out-of-sync actual-cp-changed avail-bw-changed mac-auth-failure new-ont-alm ont-prov-status	the name of the trap

Resource Identifier	Type	Description
	sw-upgrade-finished login-occuredv6 logout-occuredv6 trapmgr-chg-occrv6 ont-prov-template auto-replan-board) Possible values: - cold-start : the node is reinitializing - link-down : one of the communication links of the node has failed - link-up : one of the communication links of the node became operational - auth-failure : authentication failure - change-occured : a configuration or operational change occurred - line-test-report : line test result available - init-started : the node is initializing, IP connectivity is established - lic-key-chg-occr : the number of license keys changed - topology-chg : topology changed (scope of cluster management) - selt-state-chg : selt test finished and results available - dhcp-sess-pre : dhcp session preempted - radius-server-failure : radius server failed - login-occured : login occurred - logout-occured : logout occurred - trapmgr-chg-occr : trap manager change occurred - mst-genral : mstp general events - mst-error : mstp error events - mst-protocol-mig : mstp port protocol migration - mst-inv-bpdu-rx : mstp invalid packet received - mst-reg-conf-chg : mstp region configuration change - alrm-change-occured : alarm change occurred - out-of-sync : trap is out of sync - actual-cp-changed : actual channelpair changed trap - avail-bw-changed : available bandwidth changed trap - mac-auth-failure : mac auth failure trap - new-ont-alrm : new ont alarm trap - ont-prov-status : ont auto provision status trap - sw-upgrade-finished : Board software upgrade finished trap - login-occuredv6 : login occurred - logout-occuredv6 : logout occurred - trapmgr-chg-occrv6 : trap manager change occurred - ont-prov-template : ont auto provision template trap - auto-replan-board : automatic board re-planning trap	

Table 4.2-2 "Trap Definition Configuration Command" Command Parameters

Parameter	Type	Description
priority	Parameter type: <Trap::Priority> Format: (urgent high medium low) Possible values: - urgent : urgent - needs to be informed immediately	<i>optional parameter</i> the trap priority

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Parameter	Type	Description
	- high : high priority trap - medium : medium priority trap - low : low priority trap	

4.3 Trap Manager Configuration Command

Command Description

This command allows the operator to configure an SNMP manager, which will receive traps when an event occurs in the system.

The SNMP manager can easily be flooded by events if something happens to the system. This command allows the operator to specify which traps the manager is interested in (trap filtering) and how the traps must be distributed in time (trap shaping).

Traps that cannot be delivered will be dropped.

The Following traps will be sent as a part of changeOccuredTrap alarm-chg-trap, phys-line-trap, eqpt-change-trap, success-set-trap, other-alarm-trap, warning-trap, minor-trap, major-trap, critical-trap, redundancy-trap, eqpt-prot-trap, craft-login-trap, restart-trap, ntr-trap.

User Level

The command can be accessed by operators with alarm privileges, and executed by operators with alarm privileges.

Command Syntax

The command has the following syntax:

```
> configure trap ( no manager (address) ) | ( manager (address) [ no priority | priority <Trap::Priority> ] [ [ no ] cold-start-trap ] [ [ no ] link-down-trap ] [ [ no ] link-up-trap ] [ [ no ] auth-fail-trap ] [ [ no ] change-trap ] [ [ no ] line-test-trap ] [ [ no ] init-started-trap ] [ [ no ] lic-key-chg-occr ] [ [ no ] topology-chg ] [ [ no ] self-state-chg ] [ [ no ] dhcp-sess-pre ] [ [ no ] alarm-chg-trap ] [ [ no ] phys-line-trap ] [ [ no ] eqpt-change-trap ] [ [ no ] success-set-trap ] [ [ no ] other-alarm-trap ] [ [ no ] warning-trap ] [ [ no ] minor-trap ] [ [ no ] major-trap ] [ [ no ] critical-trap ] [ [ no ] redundancy-trap ] [ [ no ] eqpt-prot-trap ] [ [ no ] craft-login-trap ] [ [ no ] restart-trap ] [ [ no ] ntr-trap ] [ [ no ] rad-srvr-fail ] [ [ no ] login-occr-trap ] [ [ no ] logout-occr-trap ] [ [ no ] trapmgr-chg-trap ] [ [ no ] mst-genral ] [ [ no ] mst-error ] [ [ no ] mst-protocol-mig ] [ [ no ] mst-inv-bpdu-rx ] [ [ no ] mst-reg-conf-chg ] [ [ no ] dying-gasp ] [ [ no ] alrm-chg-occur ] [ [ no ] mac-auth-fail ] [ [ no ] new-ont-alm ] [ [ no ] ont-prov-status ] [ [ no ] outofsync ] [ [ no ] actual-cp-changed ] [ [ no ] register-node ] [ [ no ] avail-bw-changed ] [ [ no ] login-occr6-trap ] [ [ no ] logout-occr6-trap ] [ [ no ] trapmgr-chg6-trap ] [ [ no ] ont-prov-template ] [ [ no ] auto-replan-board ] [ no max-per-window | max-per-window <Trap::WindowCount> ] [ no window-size | window-size <Trap::WindowSize> ] [ no max-queue-size | max-queue-size <Trap::QueueSize> ] [ no min-interval | min-interval <Trap::Interval> ] [ no min-severity | min-severity <Alarm::alarmSeverityReport> ] )
```

Command Parameters

Table 4.3-1 "Trap Manager Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(address)	Format: <Ip::V4Address> : <Trap::Port> Field type <Ip::V4Address> - IPv4-address Field type <Trap::Port> - trap port number	the address of the manager

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Resource Identifier	Type	Description
	- range: [1...65535]	

Table 4.3-2 "Trap Manager Configuration Command" Command Parameters

Parameter	Type	Description
[no] priority	Parameter type: <Trap::Priority> Format: (urgent high medium low) Possible values: - urgent : urgent - needs to be informed immediately - high : high priority trap - medium : medium priority trap - low : low priority trap	<i>optional parameter with default value: "medium"</i> lowest priority a trap should have to be reported
[no] cold-start-trap	Parameter type: boolean	<i>optional parameter</i> enable sending cold start trap
[no] link-down-trap	Parameter type: boolean	<i>optional parameter</i> enable sending link down trap
[no] link-up-trap	Parameter type: boolean	<i>optional parameter</i> enable sending of link up trap
[no] auth-fail-trap	Parameter type: boolean	<i>optional parameter</i> enable sending authentication failure trap
[no] change-trap	Parameter type: boolean	<i>optional parameter</i> enable sending of change occurred trap
[no] line-test-trap	Parameter type: boolean	<i>optional parameter</i> enable line test report trap
[no] init-started-trap	Parameter type: boolean	<i>optional parameter</i> enable sending init started trap
[no] lic-key-chg-occr	Parameter type: boolean	<i>optional parameter</i> enable sending licence key changed occurred trap
[no] topology-chg	Parameter type: boolean	<i>optional parameter</i> enable sending topology changed occurred trap
[no] selt-state-chg	Parameter type: boolean	<i>optional parameter</i> enable sending selt state change trap
[no] dhcp-sess-pre	Parameter type: boolean	<i>optional parameter</i> enable sending DHCP session preempted trap
[no] alarm-chg-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr alm chg(part of changeOccurredTrap)
[no] phys-line-trap	Parameter type: boolean	<i>optional parameter</i> enable snd phys line chg(part of changeOccurredTrap)
[no] eqpt-change-trap	Parameter type: boolean	<i>optional parameter</i> enable snd eqpt nbr chg(part of changeOccurredTrap)
[no] success-set-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr of sets chg(part of changeOccurredTrap)
[no] other-alarm-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr indeterminate

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Parameter	Type	Description
		chg(part of changeOccurredTrap)
[no] warning-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr warning chg(part of changeOccurredTrap)
[no] minor-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr minor chg(part of changeOccurredTrap)
[no] major-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr major chg(part of changeOccurredTrap)
[no] critical-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr critical chg(part of changeOccurredTrap)
[no] redundancy-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr redundancy chg(part of changeOccurredTrap)
[no] eqpt-prot-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr eqpt prot chg(part of changeOccurredTrap)
[no] craft-login-trap	Parameter type: boolean	<i>optional parameter</i> enable snd craft login chg(part of changeOccurredTrap)
[no] restart-trap	Parameter type: boolean	<i>optional parameter</i> enable restart trap(part of changeOccurredTrap)
[no] ntr-trap	Parameter type: boolean	<i>optional parameter</i> enable ntr changes trap(part of changeOccurredTrap)
[no] rad-srvr-fail	Parameter type: boolean	<i>optional parameter</i> enable sending radius server failure trap
[no] login-occr-trap	Parameter type: boolean	<i>optional parameter</i> enable sending login occurred trap
[no] logout-occr-trap	Parameter type: boolean	<i>optional parameter</i> enable sending logout occurred trap
[no] trapmgr-chg-trap	Parameter type: boolean	<i>optional parameter</i> enable sending trap manager change occurred trap
[no] mst-genral	Parameter type: boolean	<i>optional parameter</i>
[no] mst-error	Parameter type: boolean	<i>optional parameter</i> enable mstp error events trap
[no] mst-protocol-mig	Parameter type: boolean	<i>optional parameter</i> enable mstp port protocol migration trap
[no] mst-inv-bpdu-rx	Parameter type: boolean	<i>optional parameter</i> enable mstp invalid packet received trap
[no] mst-reg-conf-chg	Parameter type: boolean	<i>optional parameter</i> enable mstp region configuration change trap
[no] dying-gasp	Parameter type: boolean	<i>optional parameter</i> enable dying gasp trap
[no] alrm-chg-occur	Parameter type: boolean	<i>optional parameter</i> enable alarm change occurred trap
[no] mac-auth-fail	Parameter type: boolean	<i>optional parameter</i> enable sending mac auth failure

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Parameter	Type	Description
		trap
[no] new-ont-alm	Parameter type: boolean	<i>optional parameter</i> enable new ont alarm trap
[no] ont-prov-status	Parameter type: boolean	<i>optional parameter</i> enable ont auto provision status trap
[no] outofsync	Parameter type: boolean	<i>optional parameter</i> enable outOfSync trap
[no] actual-cp-changed	Parameter type: boolean	<i>optional parameter</i> enable actual channelpair changed trap
[no] register-node	Parameter type: boolean	<i>optional parameter</i> enable register node trap
[no] avail-bw-changed	Parameter type: boolean	<i>optional parameter</i> enable available bandwidth changed trap
[no] login-occr6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 login occurred trap
[no] logout-occr6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 logout occurred trap
[no] trapmgr-chg6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 trap manager change occurred trap
[no] ont-prov-template	Parameter type: boolean	<i>optional parameter</i> enable ont auto provision template trap
[no] auto-replan-board	Parameter type: boolean	<i>optional parameter</i> enable auto board replan trap
[no] max-per-window	Parameter type: <Trap::WindowCount> Format: - maximum allowed number of traps per window - unit: traps - range: [1...20]	<i>optional parameter with default value: 2</i> maximum allowed number of traps per window
[no] window-size	Parameter type: <Trap::WindowSize> Format: - the size of a time window for traps - unit: s - range: [0...3600]	<i>optional parameter with default value: 60</i> the size of a time window for traps in seconds
[no] max-queue-size	Parameter type: <Trap::QueueSize> Format: - maximum number of traps that can be queued - unit: traps - range: [1...20]	<i>optional parameter with default value: 10</i> maximum number of traps that can be queued
[no] min-interval	Parameter type: <Trap::Interval> Format: - minimum time interval between two traps - unit: s - range: [0...3600]	<i>optional parameter with default value: 30</i> the minimum time between two traps
[no] min-severity	Parameter type: <Alarm::alarmSeverityReport> Format: (indeterminate warning minor major critical)	<i>optional parameter with default value: "major"</i> lowest severity an alarm must have, to be reported

Parameter	Type	Description
	Possible values: <ul style="list-style-type: none">- indeterminate : not a definite known severity level- warning : just to inform as a warning- minor : not service affecting- major : service affecting- critical : service breaking	

4.4 Trap Manager Configuration Command

Command Description

This command allows the operator to configure an SNMP manager, which will receive traps when an event occurs in the system.

The SNMP manager can easily be flooded by events if something happens to the system. This command allows the operator to specify which traps the manager is interested in (trap filtering) and how the traps must be distributed in time (trap shaping).

Traps that cannot be delivered will be dropped.

The Following traps will be sent as a part of changeOccuredTrap alarm-chg-trap, phys-line-trap, eqpt-change-trap, success-set-trap, other-alarm-trap, warning-trap, minor-trap, major-trap, critical-trap, redundancy-trap, eqpt-prot-trap, craft-login-trap, restart-trap, ntr-trap.

User Level

The command can be accessed by operators with alarm privileges, and executed by operators with alarm privileges.

Command Syntax

The command has the following syntax:

```
> configure trap ( no v6manager (ipv6address) ) | ( v6manager (ipv6address) [ no priority | priority <Trap::Priority> ] [ [ no ] cold-start-trap ] [ [ no ] link-down-trap ] [ [ no ] link-up-trap ] [ [ no ] auth-fail-trap ] [ [ no ] change-trap ] [ [ no ] line-test-trap ] [ [ no ] init-started-trap ] [ [ no ] lic-key-chg-occr ] [ [ no ] topology-chg ] [ [ no ] self-state-chg ] [ [ no ] dhcp-sess-pre ] [ [ no ] alarm-chg-trap ] [ [ no ] phys-line-trap ] [ [ no ] eqpt-change-trap ] [ [ no ] success-set-trap ] [ [ no ] other-alarm-trap ] [ [ no ] warning-trap ] [ [ no ] minor-trap ] [ [ no ] major-trap ] [ [ no ] critical-trap ] [ [ no ] redundancy-trap ] [ [ no ] eqpt-prot-trap ] [ [ no ] craft-login-trap ] [ [ no ] restart-trap ] [ [ no ] ntr-trap ] [ [ no ] rad-srvr-fail ] [ [ no ] login-occr-trap ] [ [ no ] logout-occr-trap ] [ [ no ] trapmgr-chg-trap ] [ [ no ] mst-genral ] [ [ no ] mst-error ] [ [ no ] mst-protocol-mig ] [ [ no ] mst-inv-bpdu-rx ] [ [ no ] mst-reg-conf-chg ] [ [ no ] dying-gasp ] [ [ no ] actual-cp-changed ] [ [ no ] register-node ] [ [ no ] avail-bw-changed ] [ [ no ] alrm-chg-occur ] [ [ no ] mac-auth-fail ] [ [ no ] outofsync ] [ [ no ] new-ont-alm ] [ [ no ] ont-prov-status ] [ [ no ] login-occr6-trap ] [ [ no ] logout-occr6-trap ] [ [ no ] trapmgr-chg6-trap ] [ [ no ] ont-prov-template ] [ no max-per-window | max-per-window <Trap::WindowCount> ] [ no window-size | window-size <Trap::WindowSize> ] [ no max-queue-size | max-queue-size <Trap::QueueSize> ] [ no min-interval | min-interval <Trap::Interval> ] [ no min-severity | min-severity <Alarm::alarmSeverityReport> ] )
```

Command Parameters

Table 4.4-1 "Trap Manager Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(ipv6address)	Format: <ipv6::Prefix> / <Trap::Port> Field type <ipv6::Prefix> - IPv6-address Field type <Trap::Port> - trap port number	the address of the manager

Resource Identifier	Type	Description
	- range: [1...65535]	

Table 4.4-2 "Trap Manager Configuration Command" Command Parameters

Parameter	Type	Description
[no] priority	Parameter type: <Trap::Priority> Format: (urgent high medium low) Possible values: - urgent : urgent - needs to be informed immediately - high : high priority trap - medium : medium priority trap - low : low priority trap	<i>optional parameter with default value: "medium"</i> lowest priority a trap should have to be reported
[no] cold-start-trap	Parameter type: boolean	<i>optional parameter</i> enable sending cold start trap
[no] link-down-trap	Parameter type: boolean	<i>optional parameter</i> enable sending link down trap
[no] link-up-trap	Parameter type: boolean	<i>optional parameter</i> enable sending of link up trap
[no] auth-fail-trap	Parameter type: boolean	<i>optional parameter</i> enable sending authentication failure trap
[no] change-trap	Parameter type: boolean	<i>optional parameter</i> enable sending of change occurred trap
[no] line-test-trap	Parameter type: boolean	<i>optional parameter</i> enable line test report trap
[no] init-started-trap	Parameter type: boolean	<i>optional parameter</i> enable sending init started trap
[no] lic-key-chg-occr	Parameter type: boolean	<i>optional parameter</i> enable sending licence key changed occurred trap
[no] topology-chg	Parameter type: boolean	<i>optional parameter</i> enable sending topology changed occurred trap
[no] selt-state-chg	Parameter type: boolean	<i>optional parameter</i> enable sending selt state change trap
[no] dhcp-sess-pre	Parameter type: boolean	<i>optional parameter</i> enable sending DHCP session preempted trap
[no] alarm-chg-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr alm chg(part of changeOccurredTrap)
[no] phys-line-trap	Parameter type: boolean	<i>optional parameter</i> enable snd phys line chg(part of changeOccurredTrap)
[no] eqpt-change-trap	Parameter type: boolean	<i>optional parameter</i> enable snd eqpt nbr chg(part of changeOccurredTrap)
[no] success-set-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr of sets chg(part of changeOccurredTrap)
[no] other-alarm-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr indeterminate

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Parameter	Type	Description
		chg(part of changeOccurredTrap)
[no] warning-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr warning chg(part of changeOccurredTrap)
[no] minor-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr minor chg(part of changeOccurredTrap)
[no] major-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr major chg(part of changeOccurredTrap)
[no] critical-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr critical chg(part of changeOccurredTrap)
[no] redundancy-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr redundancy chg(part of changeOccurredTrap)
[no] eqpt-prot-trap	Parameter type: boolean	<i>optional parameter</i> enable snd nbr eqpt prot chg(part of changeOccurredTrap)
[no] craft-login-trap	Parameter type: boolean	<i>optional parameter</i> enable snd craft login chg(part of changeOccurredTrap)
[no] restart-trap	Parameter type: boolean	<i>optional parameter</i> enable restart trap(part of changeOccurredTrap)
[no] ntr-trap	Parameter type: boolean	<i>optional parameter</i> enable ntr changes trap(part of changeOccurredTrap)
[no] rad-srvr-fail	Parameter type: boolean	<i>optional parameter</i> enable sending radius server failure trap
[no] login-occr-trap	Parameter type: boolean	<i>optional parameter</i> enable sending login occurred trap
[no] logout-occr-trap	Parameter type: boolean	<i>optional parameter</i> enable sending logout occurred trap
[no] trapmngtr-chg-trap	Parameter type: boolean	<i>optional parameter</i> enable sending trap manager change occurred trap
[no] mst-genral	Parameter type: boolean	<i>optional parameter</i>
[no] mst-error	Parameter type: boolean	<i>optional parameter</i> enable mstp error events trap
[no] mst-protocol-mig	Parameter type: boolean	<i>optional parameter</i> enable mstp port protocol migration trap
[no] mst-inv-bpdu-rx	Parameter type: boolean	<i>optional parameter</i> enable mstp invalid packet received trap
[no] mst-reg-conf-chg	Parameter type: boolean	<i>optional parameter</i> enable mstp region configuration change trap
[no] dying-gasp	Parameter type: boolean	<i>optional parameter</i> enable dying gasp trap
[no] actual-cp-changed	Parameter type: boolean	<i>optional parameter</i> enable actual channelpair changed trap
[no] register-node	Parameter type: boolean	<i>optional parameter</i>

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Parameter	Type	Description
		enable register node trap
[no] avail-bw-changed	Parameter type: boolean	<i>optional parameter</i> enable available bandwidth changed trap
[no] alm-chg-occur	Parameter type: boolean	<i>optional parameter</i> enable alarm change occurred trap
[no] mac-auth-fail	Parameter type: boolean	<i>optional parameter</i> enable sending mac auth failure trap
[no] outofsync	Parameter type: boolean	<i>optional parameter</i> enable outOfSync trap
[no] new-ont-alm	Parameter type: boolean	<i>optional parameter</i> enable new ont alarm trap
[no] ont-prov-status	Parameter type: boolean	<i>optional parameter</i> enable ont auto provision status trap
[no] login-occr6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 login occurred trap
[no] logout-occr6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 logout occurred trap
[no] trapmgr-chg6-trap	Parameter type: boolean	<i>optional parameter</i> enable sending Ipv6 trap manager change occurred trap
[no] ont-prov-template	Parameter type: boolean	<i>optional parameter</i> enable ont auto provision template trap
[no] max-per-window	Parameter type: <Trap::WindowCount> Format: - maximum allowed number of traps per window - unit: traps - range: [1...20]	<i>optional parameter with default value: 2</i> maximum allowed number of traps per window
[no] window-size	Parameter type: <Trap::WindowSize> Format: - the size of a time window for traps - unit: s - range: [0...3600]	<i>optional parameter with default value: 60</i> the size of a time window for traps in seconds
[no] max-queue-size	Parameter type: <Trap::QueueSize> Format: - maximum number of traps that can be queued - unit: traps - range: [1...20]	<i>optional parameter with default value: 10</i> maximum number of traps that can be queued
[no] min-interval	Parameter type: <Trap::Interval> Format: - minimum time interval between two traps - unit: s - range: [0...3600]	<i>optional parameter with default value: 30</i> the minimum time between two traps
[no] min-severity	Parameter type: <Alarm::alarmSeverityReport> Format: (indeterminate warning minor major critical) Possible values: - indeterminate : not a definite known severity level	<i>optional parameter with default value: "major"</i> lowest severity an alarm must have, to be reported

4 Trap Configuration Commands

Parameter	Type	Description
	<ul style="list-style-type: none">- warning : just to inform as a warning- minor : not service affecting- major : service affecting- critical : service breaking	