

QoS Queue Group Template Command Reference

Command Hierarchies

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Configuring Egress Queue Group Templates

```

config
  — qos
    — queue-group-templates
      — egress
        — queue-group queue-group-name [create]
        — no queue-group queue-group-name
          — description description-string
          — no description
          — policer fc-name [create]
          — no policer fc-name
            — queue queue-id
            — no queue
          — policer policer-id [create]
          — no policer policer-id
            — adaptation-rule pir {max | min | closest}} [cir {max | min | closest}]
            — no adaptation-rule
            — adv-config-policy policy-name
            — no adv-config-policy
            — description description-string
            — no description
            — cbs {size [bytes | kilobytes] | default}
            — no cbs
            — high-prio-only percent-of-mbs
            — no high-prio-only
            — mbs {size [bytes | kilobytes] | default}
            — no mbs
            — packet-byte-offset {add bytes | subtract bytes}
            — no packet-byte-offset
            — parent {root | arbiter-name} [level level] [weight weight-within-level]
            — no parent
            — percent-rate percent-of-line-rate [cir percent-of-line-rate]
            — no percent-rate
            — no profile-capped
            — rate {max | kilobits-per-second} [cir {max | kilobits-per-second}]
            — no rate

```

- **stat-mode** {no-stats | minimal | offered-profile-no-cir | offered-priority-no-cir | offered-limited-profile-cir | offered-profile-cir | offered-priority-cir | offered-total-cir | offered-profile-capped-cir | offered-limited-capped-cir}
- **no stat-mode**
- **queue** *queue-id* [*queue-type*] [**create**]
- **no queue** *queue-id*
 - **adaptation-rule** [**pir** *adaptation-rule*] [**cir** *adaptation-rule*]
 - **no adaptation-rule**
 - **adv-config-policy** *adv-config-policy-name*
 - **no adv-config-policy**
 - **burst-limit**
 - **no burst-limit**
 - **burst-limit** *size-in-kbytes*
 - **no burst-limit**
 - **high-prio-only** *percent*
 - **no high-prio-only**
 - **mbs** *size* [*bytes* | *kilobytes*]
 - **no mbs**
 - **parent** *scheduler-name* [**weight** *weight*] [**level** *level*] [**cir-weight** *cir-weight*] [**cir-level** *cir-level*]
 - **no parent**
 - **percent-rate** *percent-of-line-rate* [**cir** *percent-of-line-rate*]
 - **no percent-rate**
 - **pool** *pool-name*
 - **no pool**
 - **port-parent** [**weight** *weight*] [**level** *level*] [**cir-weight** *cir-weight*] [**cir-level** *cir-level*]
 - **no port-parent**
 - **rate** *pir-rate* [**cir** *cir-rate*]
 - **no rate**
 - **packet-byte-offset** [**policy** *slope-policy-name*]
 - **no packet-byte-offset**
 - **xp-specific**
 - **packet-byte-offset** {**add** *bytes* | **subtract** *bytes*}

Configuring Ingress Queue Group Templates

```

config
  — qos
    — queue-group-templates
      — ingress
        — description description-string
        — no description
        — queue-group queue-group-name [create]
        — no queue-group queue-group-name
          — policer policer-id [create]
          — [no] policer
            — adaptation-rule [pir {max | min | closest}] [cir {max
              | min | closest}]
            — no adaptation-rule
            — cbs {size [bytes | kilobytes] | default}
            — no cbs
            — description description string
            — no description
            — high-prio-only percent-of-mbs
            — no high-prio-only
            — mbs {size [bytes | kilobytes] | default}
            — no mbs
            — packet-byte-offset {add bytes | subtract bytes}
            — no packet-byte-offset
            — parent {root | arbiter-name} [level level] [weight
              weight-within-level]
            — no parent
            — percent-rate percent-of-line-rate [cir percent-of-line-
              rate]
            — no percent-rate
            — rate {max | kilobits-per-second} [cir {max | kilobits-
              per-second}]
            — no rate
            — stat-mode {no-stats | minimal | offered-profile-no-cir
              | offered-profile-cir | offered-total-cir}
            — no stat-mode
          — queue queue-id [multipoint] [queue-type] [queue-mode] [cre-
              ate]
          — no queue queue-id
            — adaptation-rule [pir adaptation-rule] [cir adaptation-
              rule]
            — no adaptation-rule
            — burst-limit
            — no burst-limit
            — burst-limit size-in-kbytes
            — no burst-limit
            — high-prio-only percent
            — no high-prio-only
            — mbs size-in-kbytes
            — no mbs
            — parent scheduler-name [weight weight] [level level]
              [cir-weight cir-weight] [cir-level cir-level]
            — no parent

```

- **pool** *pool-name*
- **no pool**
- **rate** *pir-rate* [**cir** *cir-rate*]
- **rate** *pir-rate* **police**
- **no rate**

Show Commands

- show**
- **qos**
 - **queue-group** *[queue-group-name]* [**ingress** | **egress**] [**association** | **detail**]
 - **queue-group summary**
 - **sap-egress** *[policy-id]* [**association** | **match-criteria**| **hsmda** | **detail**]
 - **sap-ingress** *[policy-id]* [**association** | **match-criteria**| **hsmda** | **detail**]
- show**
 - **pools** *mda-id[/port]* [**access-app** *[pool-name | service service-id | queue-group queue-group-name]*]
 - **pools** *mda-id[/port]* [**network-app** *[pool-name | queue-group queue-group-name]*]
 - **pools** *mda-id[/port]* [**direction** *[pool-name|service service-id | queue-group queue-group-name]*]
 - **port** *port-id* **queue-group** [**ingress** | **egress**] *[queue-group-name]*[**{statistics | associations}**]

Monitor Commands

For more information about monitor commands, refer to the 7750 SR OS Basic System Configuration Guide for command usage and CLI syntax.

- monitor**
- **qos**
 - **arbiter-stats**
 - **card** *slot-number fp fp-number* **ingress** {**access** | **network**} **queue-group** *queue-group-name* **instance** *instance-id* [**ingress**] [**access** | **networks**] [**interval** *seconds*][**repeat** *repeat*] [**absolute** | **rate**] [**arbiter** *root | name*]
 - **port** *port-id* **egress** *network* **queue-group** *queue-group-name* **instance** *instance-id* [**interval** *seconds*] [**repeat** *repeat*] [**absolute** | **rate**] [**arbiter** *root | name*]
 - **scheduler-stats**
 - **port** *port-id* **queue-group** *queue-group-name* [**ingress** | **egress**] [**interval** *seconds*][**repeat** *repeat*] [**absolute** | **rate**] [**access** | **network**] [**instance** *instance-id*]

