

QoS YANG Module

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Quick Overview of Design

- * **Three levels of models:**

- * **Base infrastructure:**

- * Classifier, Action, Policy, Target
 - * Frameworks and building blocks

- * **Diffserv**

- * Currently defining diffserv, but base infrastructure could be used for other CoS implementations, e.g. MPLS, 801.2p

- * **Vendor specific**

- * Typically, vendors would augment base and diffserv models

Significant Changes Since Rev 00

- * **Meter definition in Action Module:**

Removed generic meter type and added one-rate-two-color meter. Some associated modifications to all 3 meter types. Moved color-aware to vendor specific.

- * **Queue Grouping in Action Module:**

Removed "always drop", moved queue size handling to vendor specific.

- * **Target module stats:**

Generic meter stats removed, added stats for the one-rate-two-color meter.

- * **Second Vendor Example added:**

Example demonstrates usage of inline classifier, meter reference, additional policy types for queues and schedulers.

Open Issues:

- * **Reading stats:**

Several open issues on queue stats, meter stats, classifier stats.

- * **Binding Policies to Interfaces:**

Issues with binding multiple policies of same type, defining different policy types, e.g. v4, v6

- * **Defining what goes into each level of design:**

Continued discussion on what can go into the base modes, what will fall into DiffServ model and what will have to go into the vendor specific model.

Future Direction:

- * **Continued Work on Open Issues:**
- * **Work with Owners of draft-chen-rtgwg-qos-yang:**
Planned discussions to determine commonality/overlap of alternative qos draft from RTGWG. Hope to discuss during this IETF.
- * **Would Like Review From Other Vendors**

Q&A