QoS Operational Yang Model

http://www.ietf.org/id/draft-asechoud-rtgwg-qos-oper-model-00.txt

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Motivation

- A single draft for configuration and operation model is too big an effort
- Involved discussions to agree on each QoS counter
Model Overview

- Augmentation to Interface Model
- Classifier Statistics
- Named Statistics
- Meter Statistics
- Queue Statistics
Classifier Statistics

- Per Class Statistics
- Each Class in a Policy instance supports
  - Match Packets
  - Match Bytes
  - Average Rate of traffic
Named Statistics

- Class statistics referred by a name
- Supports packets count, bytes count and average rate
- It represents aggregated class counters sharing the same name in a policy instance
Meter Statistics

- Common grouping for one rate two color, two rate three color and one rate three color meters
- Counters are maintained for Confirm, Exceed and Violate packet statistics
- Drop count
Queue Statistics

- Per Queue Statistics
- Conform and Exceed Count
- Queue Size
- Tail Drops Count
Next Steps

- Update meter statistics to match config model
- Solicit inputs from IETF community