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