QoS YANG Model

http://www.ietf.org/id/draft-ietf-rtgwg-qos-model-07

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Status

- Added Random Early Detect (RED) and Weighted Random Early Detect (WRED) Configurations
- Taken care of many YANG Doctors comments
Random Early Detect (RED)

```
+--rw algorithmic-drop
   +--rw (drop-algorithm)?

...  

+--:(red)
 |  +--rw red
 |  |   +--ecn-enabled
 |  |   +--rw min-threshold-val?    uint64
 |  |   +--rw min-threshold-unit?   identityref
 |  |   +--rw max-threshold-val?    uint64
 |  |   +--rw max-threshold-unit?   identityref
 |  |   +--rw weight?               uint8
 |  |   +--rw max-probability-val?  uint64
 |  |   +--rw max-probability-unit? identityref
```
Weighted Random Early Detect (WRED)

```plaintext
+-rw algorithmic-drop
  +-rw (drop-algorithm)?
...
  +-+(wred)
    +-rw wred
      +-ecn-enabled
      +-rw wred* [profile]
        +-rw profile      uint8
        +-rw color-type?  identityref
        +-rw color-val* [min max]
          |  +-rw min       uint8
          |  +-rw max       uint8
        +-rw min-threshold-val?  uint64
        +-rw min-threshold-unit? identityref
        +-rw max-threshold-val?  uint64
        +-rw max-threshold-unit? identityref
        +-rw weight?       uint8
        +-rw max-probability-val?  uint64
        +-rw max-probability-unit? identityref
```
Next Steps

- Address YANG Doctors remaining comments
- Reduce the use of “feature” statements
- Statistics defined in below draft to be included in this document