

# IEEE P802.1 Qcw/D0.1 YANG Data Models for TSN

Status Report

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9/3/2018

New draft available

<http://ieee802.org/1/files/private/cw-drafts/d0/802-1Qcw-d0-1.pdf>

## SCHEDULED TRAFFIC:

- ✓ UML model
- ✓ YANG module
- ✓ YANG tree

## FRAME PREEMPTION:

- ✓ UML model
- ✓ YANG module
- ✓ YANG tree

## PER-STREAM FILTERING POLICING:

- ✓ UML model
- ✓ YANG module
- ✓ YANG tree

## Scheduled Traffic (updated)

<https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-sched.yang>

## Frame Preemption (updated)

<https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-preemption.yang>

## Per-Stream Filtering and Policing

Johannes Specht's Contribution

- Stream Filter and Stream Gate (currently in Qcr)

<https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-stream-filters-gates.yang>

- PSFP (added to the draft branch)

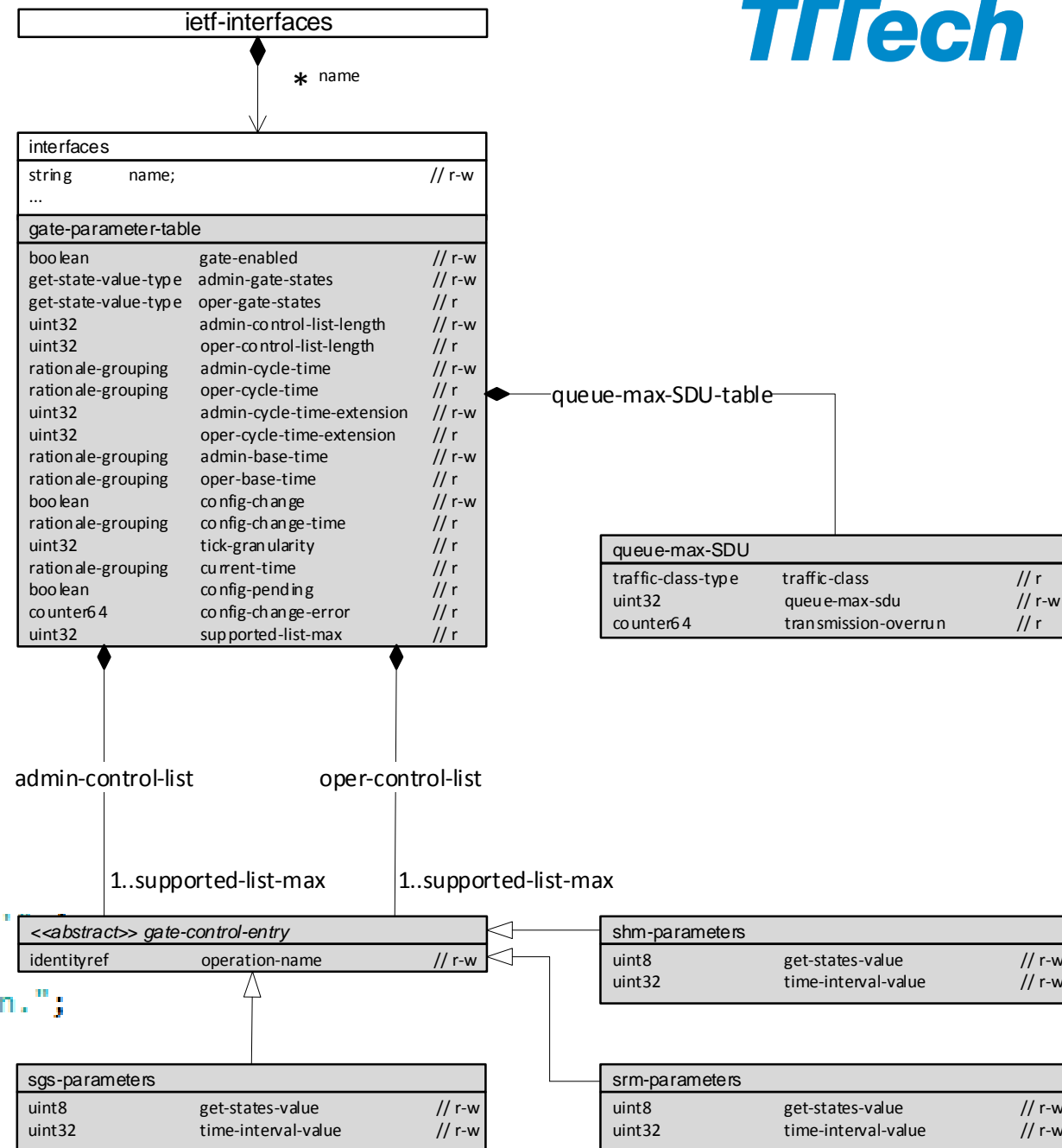
- <https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-psfp.yang>

## Changes in Scheduled Traffic model

- Corrected permissions of several objects
- Added Frame Preemption operations

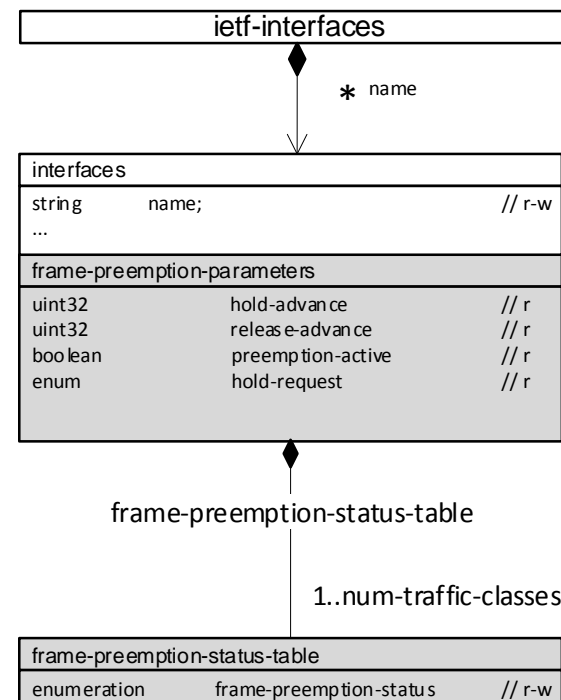
```

13 import ieee802-dot1q-preemption {
14     prefix preemption;
15 }
...
58 identity set-and-hold-mac {
59     base type-of-operation;
60     description
61     "Operation to set set and hold mac.";
62 }
--
145 container shm-params {
146     when "../operation-name = 'set-and-hold-mac'"
147     description
148     "Applies to the Set-And-Hold-MAC operation.";
149 }
150 if-feature "preemption:frame-preemption";
    
```



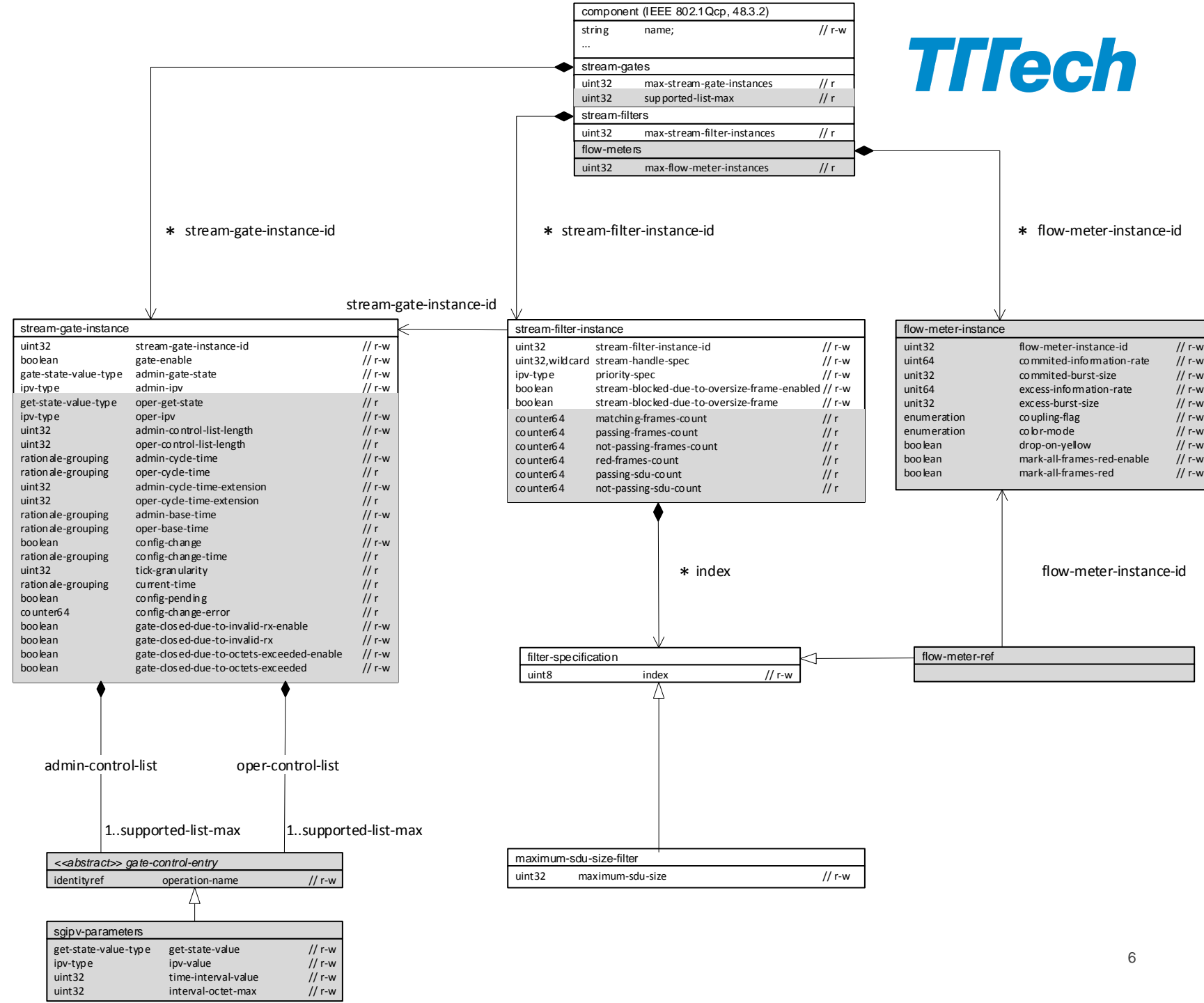
## Changes in Frame Preemption Model

- Corrected permissions of several objects



## PSFP Model

- Model added to the draft
- and moved to the draft github branch
- Based on Johannes Specht's contribution
- corrected some permissions





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