

802.1Qcc D0.5 Progress

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Summary of Qcc Progress

- Resolved Qcc D0.4 comments
 - Final disposition at
 - <http://iee802.org/1/files/private/cc-drafts/d0/802-1Qcc-d0-4-dis-v2.pdf>
- Editor is about 80% done with Qcc D0.5
- Agenda for this presentation
 1. Overview of primary changes in D0.5
 - Goal: Prepare members for upcoming review (not to debate now)
 2. Discuss one comment we may want to change from Accept to Reject

<<Editor's introduction to draft D0.5

This draft resolves comments during task group ballot of D0.4, including:

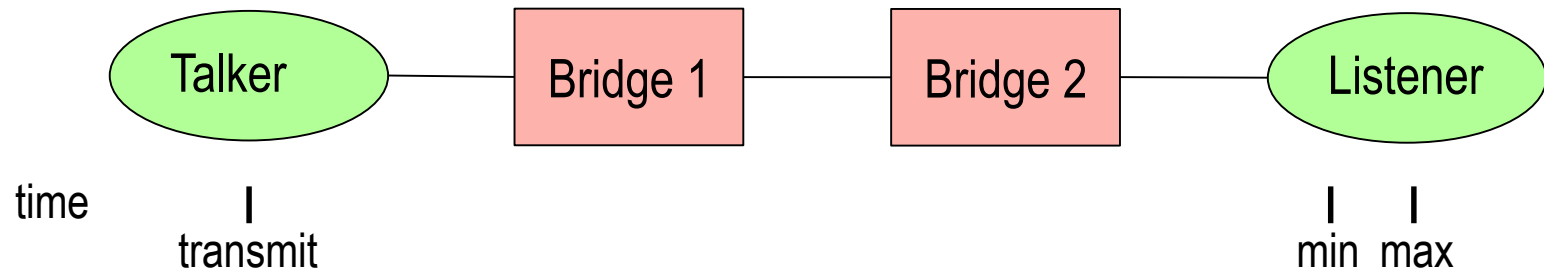
- a) Removed YANG as a conformance requirement for managed objects (5.4 and 5.25).
- b) Created PICS in Annex A and B, and updated clause 5 to match.
- c) Removed rOtherJoin event from MRP (clause 10).
- d) Changed name of bridge management features from “TSN Centralized Configuration” to “TSN remote management”, to help distinguish from features/conformance of the actual CNC.
- e) Updates to cut-through (12.28.1) and bridge delay (12.28.2) per comments.
- f) Per D0.3 comment #73, added a managed object for propagation delay (12.28.3).
- g) Per D0.4 comment #97, added “MRP external control” feature (12.28.5) to TSN remote management. This provides an initial MSRP protocol solution for the mixed centralized/distributed model. Since this feature enables use of a CNC with MSRP, the clause 99 TLVs EndStationInterfaces, InterfaceCapabilities, and InterfaceConfiguration are applicable to MSRP.
- h) Added introductory subclause (99.1.2) that describes how the UNI can specify translation of stream identifications between user and network (e.g. IP 5-tuple for user stream).
- i) Added reservation by management for credit-based shaper (12.20.1) and other traffic classes (12.28.6).
- j) Changed figures for UNI models (99.1.4) to clarify that only the configuration data is specified in clause 99, not protocols.
- k) In clause 99 (UNI), changed the identification of end-stations and bridges to use existing 802.1Q methods (e.g. MAC address), and defer router considerations to future work.
- l) Update Annex Z to clarify the assumptions for future work.

Possible Change to Comment #82

- Comment relates to AccumulatedLatency of SRP
 - In Qcc this parameter is exclusive to SRP
 - Not part of UNI
 - Therefore, specific to the credit-based shaper
 - This parameter is max computed latency along current path
- Suggestion is to add a MinAccumulatedLatency
 - Existing changes to MaxAccumulatedLatency
- Per previous discussion, we Accepted
 - UNI has a min/max latency requirement, included in SRP
 - This change makes “required” and “current” consistent
 - Editor assumes goal is to compare min-to-min and max-to-max

Problem with Comment #82

- Simple example



- Let's say Bridge 2 has the ability to 'hold' until the Min
 - If Bridge 1 doesn't, it has no way to know Bridge 2 → fail
 - If Bridge 1 does, it doesn't know how long to 'hold' → fail
- In the future, with Qch this will make more sense
- Since cannot compare to required Min, I propose:
 - Reject for Qcc, to be added in a future SRP amendment