

# Status of 802.1AS-Rev/D7.4 Draft and Potential Comments for Recirculation or Sponsor Ballot

**Geoffrey M. Garner**  
**Huawei (Consultant)**

**[gmgarner@alum.mit.edu](mailto:gmgarner@alum.mit.edu)**

*IEEE 802.1 TSN TG*  
2018.11.02

# Introduction

---

- ❑ This presentation summarizes the status of 802.1AS-Rev/D7.4
- ❑ This presentation also summarizes items that need to be addressed
  - These items are not major, and can be addressed via comments either for the next recirculation or for sponsor ballot

# Presentation Available on Derivation of FTM Parameters

---

- ❑ Comment #15 against D7.3 suggested that the derivations of the FTM parameters, which are in tables in 12.6, should either be included in an informative Annex or made available in a presentation.
- ❑ The resolution of this comment was:
  - ACCEPT IN PRINCIPLE. The editor will create a new presentation by extracting the relevant pages from the referenced presentation. This new presentation will be referenced as the final paragraph in 12.6, as a bibliography reference.
- ❑ This presentation is now available at
  - <http://www.ieee802.org/1/files/public/docs2018/as-garner-derivation-of-ftm-parameters-1118.pdf>
- ❑ This presentation is referenced in D7.4, and will be presented at the November 2018 802.1 meeting.
- ❑ If there are any edits to this presentation, an R1 will be uploaded
  - In this case, the reference in the draft would need to be updated.

# Status of D7.4 - 1

---

- All comments against D7.3 are addressed in D7.4, except that:
  - As of the preparation of this presentation, work on modifying the MIB is still in progress
  - However, it is expected that the MIB editor will have the work on the MIB completed by the start of the November 2018 TSN TG meeting
  - The editor and the MIB editor will work together during the November meeting to finalize any remaining points on the MIB
    - Among many other items, the 802.1AS-2011 and 802.1AS-Cor1 MIBs have many cross references
    - These must either be resolved or removed when the new MIB is integrated with the new draft

# Items that Must be Resolved on Future Ballot(s) - 1

---

- The items below were noted by the editor during the preparation of D7.4
- They were not fixed immediately because it was felt they were too detailed and there were no direct comments addressing them
- Should the editor comment on these items in the next WG recirculation ballot, or defer the comments to sponsor ballot?
- The items are (pages and line numbers are relative to D7.3):
  - P. 268, L46 (P. 256, line 5 in D7.4). The sentence refers to decision codes. It was part of text that was apparently copied from 1588; the sentence should be deleted because the 802.1AS formulation of BMCA does not use decision codes. Similar text in the MIB on p.322, line 31, should be deleted.
  - In 14.10.13, the transmissions of time synchronization messages for 802.11 are counted. However, corresponding receipt of such 802.11 information is not counted, while for full-duplex 802.3 both transmits and receipts are counted. Should 802.11 receipts be counted? Should analogous counts for EPON and CSN be done (these are not done now)?

# Items that Must be Resolved on Future Ballot(s) - 2

---

- There are a number of places where the term “time-aware system” is used when referring to CMLDS. These were not changed to “PTP Instance” (in accordance with the resolution of comment #6 against D7.3) because CMLDS does pertain the entire time-aware system and is not instance-specific
  - However, in many of these places the description relates to entities that could be instance specific or pertain to the entire time-aware system, e.g., the peer delay mechanism or the Local Clock entity
    - It seems that, in these cases, the text should refer to both CMLDS and to the instance specific entities
  - The places found by the editor where the text could be expanded are:
    - 10.1, p.75, L49 (p.69, L49 in D7.4): We might want to say that there could be one LocalClock entity for the entire time-aware system, or several LocalClock entities with each one being instance specific

# Items that Must be Resolved on Future Ballot(s) - 2

---

- The places found by the editor where the text could be expanded are (continued):
  - 10.1.1, p.76, L4 (p.70, L1 in D7.4): “... when the time-aware system is powered on...”
  - P.194, L28, Notes 1 and 2 (p.186, L1-L10, 11.2.19.3.4 in D7.4)
  - P. 193, L35, Note 1 (p.185, L8, Note 1 in D7.4)
  - P. 195, L12, item (f), and Note 1 (p.186, L39, item (f), and Note 1 in D7.4)
  - 11.2.22, 12.5.2(f), and 14.8.11, all having to do with neighborRateRatio
  - Clause 16 (CSN) – needs to be reviewed and checked whether text needs to distinguish between instance-specific Pdelay and CMLDS, in various places
  - Annex G (Asymmetry compensation) - needs to be reviewed and checked whether text needs to distinguish between instance-specific Pdelay and CMLDS, in various places

# Items that Must be Resolved on Future Ballot(s) - 2

---

- The places found by the editor where the text could be expanded are (continued):
  - B2.3 (pdelay turnaround time), F.3(g), F.3(j)



---

Thank you