

Status of 802.1AS-Rev/D7.4 Draft and Potential Comments for Recirculation or Sponsor Ballot Revision 1

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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
 - The editor favors addressing these items via sponsor ballot comments, in order that sponsor ballot can start sooner

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, and all comments against previous drafts that were deferred in order that subsequent ballots could start, are addressed in D7.4, except that:

- As of the preparation of this presentation, work on modifying the MIB is still in progress (both the MIB itself and the tables of objects at the beginning of clause 15)
- However, it is expected that the MIB editor will have the work on the MIB and beginning of clause 15 completed approximately early in the week of 11/26/2018
 - The editor will combine this material into the draft, to have a complete D7.4 during the week of 11/26/2018
- 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
 - The links for these must either be resolved or removed when the new MIB is integrated with the new draft
 - Resolving these cross-references would be a significant task
 - It is the opinion of the editor that the links should not be maintained in the MIB listing in clause 15

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 editor favors deferring these items to sponsor ballot, in order that sponsor ballot can start sooner (editorial items could be included in a sponsor ballot cover letter)
- 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) - 3

- 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)

□ Framemaker shows many unresolved cross-references if “Update Book” is done

- However, the editor has not been able to find any cross-references that are actually unresolved
- The editor has not figured out why Framemaker generates these messages

Items from IEEE Editor from Initial MEC Review - 1

□ Items that shall be addressed prior to sponsor ballot

- All fonts shall be embedded in the draft
 - The editor has now done this
- If applicable, all copyright permission for excerpted text, tables, and figures shall be submitted to the IEEE prior to the start of ballot
 - This is not relevant, as all tables and figures were created or worked on by 802.1 participants during development of the draft, or were taken from 802.1AS-2011
- The correct standard designation and date shall appear on the top of every page, including the body of the standard IEEE PXXXX/DX, Month 20XX
 - This is already in the draft (though not on the title page, table of contents, list of figures, and list of tables)

Items from IEEE Editor from Initial MEC Review - 2

□ Items/issues that shall be resolved before the final sponsor ballot recirculation

- Use of words such as “guarantee” and “ensure”
 - MEC review indicated these words should be avoided if they are making guarantees that cannot be honored, or are making inaccurate claims
 - “guarantee” is used in only one place, with respect to the BMCA; it is used in the mathematical sense, not the legal sense, and the usage is the same as in 802.1AS-2011
 - “ensure” is used in 13 places
 - Two uses are in boilerplate material; the editor will assume that the IEEE editor will fix that (some boilerplate text is not up-to-date; see below)
 - One use is in the Scope; the editor favors not changing this, as it would require a PAR modification
 - Ten uses are in the body of the document; the editor will review these and make sponsor ballot comments if the editor concludes these should be changed

Items from IEEE Editor from Initial MEC Review - 3

□ Items/issues that shall be resolved before the final sponsor ballot recirculation (cont.)

- Use of trademarks: These should not be used, except when referring to IEEE standards or other standards
 - Other than in references, these are not used
- Copyright statement on first page: This is already present
- Updating of boilerplate material at front of document: IEEE editor will do this
- RAC coordination will occur during sponsor ballot
 - Any RAC comments will need to be resolved

Thank you