

# Summary of Remaining Work Items Needed to Complete 802.1AS Revision 1

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# Introduction

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- ❑ This list is based on the status of 802.1AS D5.0, as of May 15, 2009, plus the final comment resolution document for the D5.0 ballot available at <http://www.ieee802.org/1/files/private/as-drafts/d5/802-1AS-d5-0-dis-r4.pdf>
- ❑ The order the items are listed is not necessarily the order in which the work will be done
- ❑ Note that many specific items are spelled out in detail in the D5.0 comment resolution and in Annex Z
  - Except for major items relating to entire clauses or annexes, or to simulations, these specific items are not listed separately, but are covered by the first two bullet items on the next slide

# Remaining Work Items Needed for Completion of 802.1AS - 1

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- 1) Incorporate D5.0 comment resolution - GMG
- 2) Incorporate all comments in Annex Z – GMG, plus others
- 3) Resolve the requirements for local clock stability/maximum frequency drift; perform simulations with clock noise model that reflects the final requirements (note: the extent of these simulations will depend on how stringent the requirements are, i.e., on how important clock noise/instability is in determining jitter/wander accumulation) – GMG (simulations+construction of model); All decide on assumptions
- 4) Complete Annex B (Performance Requirements); include in this any clock noise/stability requirements of (3) and resulting interface requirements as outlined in editor's note at beginning of Annex B - GMG
- 5) Complete Clause 5 (Conformance) and Annex A (PICS proforma) – YK can be sub-editor for this material (we need to resolve list of SHALLs from KS, plus list of MAYs, SHOULDs, and MUSTs that will be supplied)

## Remaining Work Items Needed for Completion of 802.1AS - 2

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- 6) Complete Clause 7 (Overview, mainly informative) - MJT
- 7) Review newly-supplied Clause 13 (EPON) and incorporate in document – YL
- 8) Review revised Annex J (CSN) and incorporate in document - PK
- 9) Complete work on making clause 12 (802.11) consistent with rest of document (e.g., put state machines in block diagram format, make definitions of primitives, variables, and functions consistent with rest of document) - KS
- 10) Complete material on management objects and MIB, and replace the current Clause 14 with this material (the new material may be organized into more than one clause) – KG had volunteered
- 11) Complete Annex C (Summary of end-to-end jitter/wander/time synchronization requirements for time-sensitive applications) (informative) - GMG
- 12) Complete Annex D (Hypothetical Reference Models) (informative) - GMG

# Remaining Work Items Needed for Completion of 802.1AS - 3

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- 8) Complete Annex E (description of simulation models and results (informative) - GMG
- 9) Complete Annex F (Relation of 802.1AS and IEEE 1588<sup>TM</sup>-2008) – GMG
- 10) Others??

## ☐ Legend

- GMG – Geoff Garner
- YK – Yong Kim
- MJT – Michael Johas Teener
- YL – Yuanqiu Luo
- PK – Philippe Klein
- KS – Kevin Stanton
- KG – Kevin Gross

# Proposals

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## □ Proposals

- Remove Annexes C, D, E, and F from 802.1AS; with the intention of creating white papers later with this material
  - Put the white papers in docs2009, and reference them in the bibliography of 802.1AS

## □ Subsequent Discussion

- There was offline discussion after the meeting (i.e., after the presentation and discussion of this material) on making Annex J (CSN) informative and making Clause 13 (EPON) an informative annex
  - Annex J had been informative, but there was earlier discussion in the meeting on making Annex J normative so that compliance could be tested)