

Comments on Task Force Progress and Scope

IEEE P802.3bn EPoC PHY Task Force

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Evaluating Progress towards completion

- From time to time going forward, the Task Force is going to be “asked” to examine our goals, progress, and direction relative to our PAR, the 5 Criteria, and our Objectives
 - <http://www.ieee802.org/3/bn/>
- Sometimes we’ll be prompted by others:
 - e.g. 802.3 WG, its members, 802, 802.1, liaison, etc.
- Sometimes we’ll do this on our own
 - E.g., based on the impact of technical selection consensus
- Reviewing our work vs. our “scope” is part of our normal process

What happens when we get feedback?

- From our own diligence and discussion
 - Process it as part of moving forward
- From outside the TF
 - Listen, respect, understand the feedback
 - Process it
- When to “take action”?
 - When appropriate → Task Force has to decide
 - As issues relate to the elements of scope, need to address so our “work product” (i.e. Task Force draft) aligns with the PAR, 5 Criteria, Objectives before going to Working Group Ballot.
 - This also includes any expectations that may have been established as part of obtaining approvals

Reminder on Expectations

- Reminder: the TF is a sub-group of the 802.3 Working Group
- Certain phrases were used during the approval process of the CFI, Study Group, and Objectives, 5 Criteria, and PAR
 - Some remember these (paraphrased) going forward:
 - “minimal augmentation means at most adding a few new messages”
 - “works with existing OLT hardware with just a software update”
 - Etc.
- Expectations may change going forward
 - E.g. part of the ongoing two-way socialization process as we get closer to a completed draft
- Also, 802.3 WG can pay great attention to precise wording in scope related documents

Why is this topical?

- Feedback received on email reflector in December
 - Issue raised about scope and TDD
 - Issue raised about performance relative to 802.1's expectations of 802.3 standards
 - 1588v2
 - 802.1AS

On Scope and TDD

- Suggestion: address these during the course of continuing work and technical selection progress:
 - Outcome could be potential adjustments to Objectives, 5 Criteria, and/or PAR
 - This should be solvable
- However, due to changing emphasis in 802 LMSC, updates to the 5 Criteria responses or the PAR will likely require additional review outside of the 802.3 WG
- Do anything now?:
 - May not be prepared as 802.1 review might want to see performance diligence – relates to second issue
 - Regardless, should have our “homework” completed so we don’t have to go back into an approval process more than necessary; e.g. once.

On 802.1 and 1588v2 and 802.1AS

- Paraphrased comments:
 - P802.3bn should be transparent to supporting 1588v2 and 802.1AS
 - There are expectations regarding 802.3 standards performance
 - E.g. “mission critical” applications
- Suggestion:
 - Continue doing our work as we have been doing
 - Complete our delay, delay variation, and performance analysis
 - Dependent on future technical selections for channel model, FFT sizing, symbol / CP sizing, FEC selection, interleaving, PHY path architecture, etc.
 - Regardless: we have to do this diligence for supporting our own selection decisions as EPON system real-time performance is based on a delay and jitter sensitive control loop,

Summary

- We're going to get scope and performance feedback from time to time from outside the Task Force
- Suggestions:
 - Process it (respect it) as part of our work
 - Complete our technical selections and diligence
 - If adjustments to Objectives, 5 Criteria or PAR are needed in the future
 - Diligence will support requested changes
 - Performance analysis will be understood
 - Adjust what is needed in “one go”

Thank You!