Comments on P802.3bn PAR & 5 Criteria

IEEE802.3 EPoC PHY Study Group
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Comments from Jon Rosdahl

4. 802.3bn, amendment for Ethernet Passive Optical Networks Protocol over Coax Networks, PAR and 5C

- 8.1 please add an item number reference for the statement for which the acronym definition is being given.

- The title in the 5C seemed a bit different than the PAR title. Should it be Coax or Coax Networks?

- The 5c does not actually reference the PAR.

- In the 5C – Economic Feasibility:
  - What is OLT and CNU?

- The 5C that was used is not the currently approved set of 5Cs that are required by 802 EC OM (see 11.5.2). Please update and respond accordingly.

Changes to the 5 Criteria

- The 802 EC changed Compatibility criterion in March

Compatibility (old)

- **IEEE 802 defines a family of standards. All standards should be in conformance with the IEEE 802.1 Architecture, Management, and Interworking documents as follows: IEEE 802. Overview and Architecture, IEEE 802.1D, IEEE 802.1Q, and parts of IEEE 802.1F. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with IEEE 802.1.**

- **Each standard in the IEEE 802 family of standards shall include a definition of managed objects that are compatible with systems management standards.**

- **I. Compatibility with IEEE Std 802.3**

- **II. Conformance with the IEEE Std 802.3 MAC**

- **III. Managed object definitions compatible with SNMP**

Compatibility (new)

- IEEE 802 LMSC defines a family of standards. All standards should be in conformance : IEEE Std 802, IEEE 802.1D, and IEEE 802.1Q. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with IEEE 802.1 Working Group. In order to demonstrate compatibility with this criterion, the Five Criteria statement must answer the following questions.

   a) Does the PAR mandate that the standard shall comply with IEEE Std 802, IEEE Std 802.1D and IEEE Std 802.1Q?

   b) If not, how will the Working Group ensure that the resulting draft standard is compliant, or if not, receives appropriate review from the IEEE 802.1 Working Group

Remedy

- Our response to the Compatibility criterion is okay for the most part, but we need to add a statement such as:

  - The P802.3bn PAR mandates that the amendment shall comply with IEEE Std 802, IEEE Std 802.1D and IEEE Std 802.1Q.

- Then we need to add a statement to the PAR, under 8.1 Additional Explanatory Notes:

  - The amendment will comply with IEEE Std 802, IEEE Std 802.1D, and IEEE Std 802.1Q.

Comment from Paul Nikolich

I am in support of this proposed project, however, I have some concerns. In my opinion, the scope of the project is quite broad (e.g., lack of operating frequency limits, lack of distance limits, symmetric and/or asymmetric operation, etc.). Projects with a broad scope tend to take longer to complete than ones with a narrow scope—placing the projected completion date of 08/2014 in jeopardy. I don't presume to have any greater insight as to what an appropriate scope or duration for this project should be—unquestioningly; the WG members are the experts in this regard. Never-the-less, I would like to ask if the WG at least considered opportunities to narrow the scope and potentially reduce the development time, and what was the rationale for settling on the current scope?

Response

- The IEEE 802.3 Working Group uses a set of project objectives to specifically define the scope of a given amendment project. These detailed objectives are maintained and continuously monitored by the working group throughout the life of a project. The set of project objectives for P802.3bn is recorded here:

- http://www.ieee802.org/3/epoc/EPoC_objectives_draft_0516.pdf