

NG-EPON PAR Changes V2

1. From Paul Nikolich:

- Regarding the 802.3ca draft PAR 5.4 Purpose:
- The 1st sentence uses the qualitative term 'significantly increase performance..'. It should be replaced with 'increase by 2.5 to 10 times the performance...' to be in line with the Scope.
- **Response:** Since having a Purpose clause in the P802.3ca PAR is an error and will be deleted, this comment is overtaken by events

2. From James Gilb:

- General question: With wireless standards, we often specify a target operating range. Is there a reason why a target distance is not specified for NG EPON? It seems that the stakeholders would have some expectation of the length of fiber over which this standard can reliably deliver the advertised data rate. This distance should be stated in the scope.
- **Response: with distance and split ratios consistent with those defined in IEEE Std 802.3-2015.**

3. From David Law:

- The issue with the Purpose clause is, as indicated by the question related to item 5.4 'Will the completed document (base + amendment) contain a purpose clause?:', that if the answer is yes, the text in the box will be the purpose clause for the entire (base + amendment) IEEE 802.3 standard. I suspect that there will be significant push back from the IEEE 802.3 Working Group to have a purpose statement in IEEE Std 802.3 for the first time, and to have it only be related to EPON, regardless of how successful a part of IEEE 802.3 that EPON undoubtedly is
- **Response:** The Purpose clause will be deleted

Old:

The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for operation at 25 Gb/s and 100 Gb/s MAC data rates on point-to-multipoint passive optical networks.

New:

The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for **symmetric and/or asymmetric** operation at 25 Gb/s, **50 Gb/s, and** 100 Gb/s MAC data rates on point-to-multipoint passive optical networks **with distance and split ratios consistent with those defined in IEEE Std 802.3-2015.**

5.4 Purpose: The purpose of this project is to significantly increase performance of point-to-multipoint architecture (Ethernet Passive Optical Network) to support emerging bandwidth-intensive services while considering equipment, operation, upgrade, and maintenance costs.

5.4 Purpose: (blank)