

Five Criteria Compatibility

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Compatibility

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.

- a) Compatibility with IEEE Std 802.3
- b) Conformance with the IEEE Std 802.3 MAC
- c) Managed object definitions compatible with SNMP

Compatibility with IEEE Std 802.3

- » As an amendment to IEEE Std 802.3-2008, as amended by IEEE Std 802.3av-2009, the proposed project will remain in conformance with the IEEE 802 Overview and Architecture, as well as the bridging standards IEEE Std 802.1D and IEEE Std 802.1Q.
- » Moreover, the proposed project will build on 1G-EPON and 10G-EPON architecture included in IEEE Std 802.3-2008 and IEEE Std 802.3av-2009, respectively, adding new power budget classes, as needed.

Conformance with the IEEE Std 802.3 MAC

- » The proposed amendment will conform to the full-duplex operating mode of the IEEE 802.3 MAC, as defined in Annex 4A, following the existing 1G-EPON and 10G-EPON specifications.
- » The proposed amendment will conform to the 10 Gb/s Media Independent Interface (XGMII) and 1 Gb/s Media Independent Interface (GMII) definitions, following the existing 1G-EPON and 10G-EPON specifications.

Managed object definitions compatible with SNMP

- » The project will include a protocol independent specification of managed objects with SNMP management capability, provided by IEEE Std 802.3.1-2011 and its future amendments and/or revisions.

Motion

Approve the response to Compatibility Criterion as shown on slides 2-5 in ExEPON_1109_5Crit_Compatibility.pdf

Moved by: Marek Hajduczenia

Seconded by:

Yes:

No:

Abstain: