

Five Criteria Distinct Identity

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Distinct Identity

- » Substantially different from other IEEE 802 standards
- » One unique solution per problem (not two solutions to a problem)
- » Easy for the document reader to select the relevant specification
- » Substantially different from other IEEE 802.3 specifications/solutions.

Distinct Identity

- » There is no existing 802 standard or approved project appropriate for operation at up to 10 Gb/s over point-to-multipoint fiber-optic cabling topologies, in symmetric (1/1G, 10/10G) and asymmetric (10/1G) configurations, with power budgets in excess of power classes defined in Clause 60 for 1G-EPON and Clause 75 for 10G-EPON.

Distinct Identity

- » The proposed project is an upgrade to the existing 1G-EPON and 10G-EPON PHY and MAC specifications included in IEEE Std 802.3-2008 and IEEE Std 802.3av. The solution may include at most one Physical Media Dependent sublayer specification for each medium type. These PHY sublayers will be designed for operation in symmetric (1/1G, 10/10G) and asymmetric (10/1G) configurations over point-to-multipoint fiber-optic cabling topologies.
- » Additionally, a new type of Ethernet device, power budget extender (PBEx), may be specified for power budgets exceeding XX dB, with support for 1G-EPON and 10G-EPON

Distinct Identity

- » The proposed amendment to the existing IEEE Std 802.3 will be formatted as a set of new clauses and changes to existing clauses, making it easy for the document reader to select the relevant specification.

Motion

Approve the response to Distinct Identity Criterion as shown on pages 2-5 in ExEPON_1111_5Crit_Identity.pdf

Moved by: Marek Hajduczenia

Seconded by:

Yes:

No:

Abstain: