

Project Objectives

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Project Objectives (1/2)

- » Support subscriber access networks using point-to-multipoint topologies on SM optical fiber
- » EPON PHY(s) to have a BER better than or equal to 10^{-12} at the MAC/PLS service interface
- » Provide physical layer specifications:
 - > for 1G-EPON supporting a downstream channel insertion loss of 29dB, compatible with PR(X)30 upstream channel insertion loss;
 - > for 1G-EPON supporting a split ratio of at least 1:64 at a distance of at least 20 km;
 - > for 10G-EPON, supporting a split ratio of at least 1:64 at a distance of at least 20 km;

Project Objectives (2/2)

- » Changes to be confined to the PMD layer; PCS and MPCP are to be reused as is.
- » Maintain coexistence among 1G-EPON and 10G-EPON (i.e. support the same loss budget classes for 1G-EPON and 10G-EPON).

Motion #3: Project Objectives

- » Approve the Project Objectives of the Extended EPON Study Group, as recorded in ExEPON_1111_objectives_final.pdf, slides 2 and 3
- » Moved by: Alan Brown
- » Seconded by: David Li
- » (Technical motion, $\geq 75\%$)
- » Y: 16 N: 1 A: 3
- » People in the room: 23
- » Motion passes