

EFM P2MP

Recap and Work Plan

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P2MP: Austin Focus

SCOPE

802.3ah Scope
Scope, Functional and Performance Requirements
IEEE 802.3ah EPON Framework

COMPLIANCE

P2MP Architecture Conformance Issues
P2P Emulation and Shared Media Emulation
P2P Emulation Layering
Logical Port Availability 802.1

PROTOCOL

MPCP: Common Framework
MPCP: A simple protocol specification
MPCP: An EPON System
MPCP: A Timing Approach
MPCP: Time Markers in PHY
MPCP: Non-Intrusive Synch in PHY
An Efficient DBA Mechanism for EPON
High Performance EPON

P2MP: Compliance Recap

802 Architecture, 802.1D Bridging

Several choices



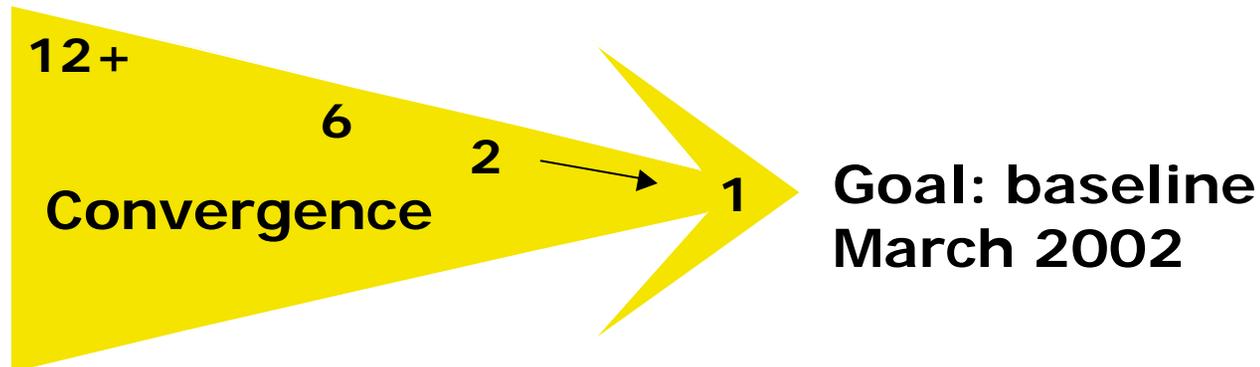
	Compliance	Implemented	Forwarding
P2P Emulation	yes	below MAC	bridging/higher
Shared Emulation	yes	below MAC	below MAC
P2P+S Emulation	yes	below MAC	bridging/below MAC
Forwarding/Filtering Sublayer	yes	above MAC	above MAC
802.1D Model Extension	yes	bridging/higher	bridging/higher
Do Nothing	no	N/A	N/A

802.3ad, 802.3x

Link Aggregation 802.3ad: }
PAUSE 802.3x: } No augmentation for P2MP, do not specify

Note: Both enabled "as is" with P2PE

P2MP: Protocol Recap



Rapid progress toward Common Protocol Framework

Open Issues:

- Timing Mechanism
- Delay Compensation
- Auto Discovery

P2MP can meet timeline requirement, but it requires a focused, interactive effort

P2MP: Austin Work Plan

1. P2MP Discussions in Austin

Scope ✍ Is becoming clear

Compliance ✍ Study alternative approaches

Protocol ✍ Move toward a Common Framework

2. Other P2MP Discussions

- Identify and discuss most significant issues
- Presentation planning for (<) January Meeting
- Thank you response to ITU-T SG15

EFM P2MP Fiber

Thank you