

OAM Status

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Overview

- Where we agree
- Where we disagree
- What's missing

Where we agree: Many OAM Basics

- Maximize commonality across PHYs
- Master/slave relationship
- Performance monitoring
- Fault monitoring
 - Alarms (AIS, RDI, dying gasp, ...)
 - Code violations, CRC errors, ...
- Diagnostics
 - Loopback (of some kind)
- EPON BW controls (Pause, req/grant)

Where we disagree: Management Channel

- In-band frame based
- Out-of-band PHY based
- Out-of-band preamble based

- Several presentations on topic

What's missing: Details

- Clear statement of EFM OAM requirements
- What statistics are needed for PM?
 - TX/RX bytes, TX/RX packets, ...
- What kind of diagnostic loopbacks?
 - Packet loopback, PHY loopback, ...
- What error statistics needed for fault monitoring?
 - CRC errors, BER, ...
- What alarms need to be defined?
 - LOS, dying gasp, ...
- Delineation between EFM OAM and other OAM