

Joint PMD task group report

Identified issues

- Relative timescale of S100 long haul and P1394b
- S100 looking for full PHY (no link necessary), S800 looking for sub-PHY
 - ✓ Should consider defining a service interface between P1394b PMD-independent and PMD-dependent (logical signals)
- S100 includes wall-plate connector
- S800 not doing a connector (at the moment)
- Decision to recommend that P1394b selects one optical connector for optical connection (regardless of media decisions)
 - ✓ same connector for equipment, dongles and wallplates
- Maintain goal of a single medium for optical transmission at all speeds (but more work needed to evaluate trade-offs to see whether it might be preferable to have different media for different speeds)
- Power to wallplate still an open issue

Received presentations on media

Substantial discussion on encoding schemes - identified + and -

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□ P1394 signal integrity issues

- rise/fall time spec recommendations for both data and speed signalling to be liaised with P1394a via common membership
- more work on speed signalling and S800 issues

□ S800-S3200 optical parameters

- can do S3200 on same medium as S800 (50 nm MMF)
- refined requirement
 - ✓ low cost S800
 - ✓ but interoperable with S1600 and S3200, cost of interoperability put on the higher speeds
- next P1394b draft to have appropriate parameters but blank tables
 - ✓ liaison offer from Gigabit Ethernet editor (Jonathan Thatcher)
- solicit contributions on appropriate parameters for S800, S1600, S3200 next time
- request liaison letters from P1394b to TIA TR41.8.1 and .2 recommending 50nm MMF

□ Established preliminary list of connector requirements