

IEEE P802.3ah EFM Document Structure

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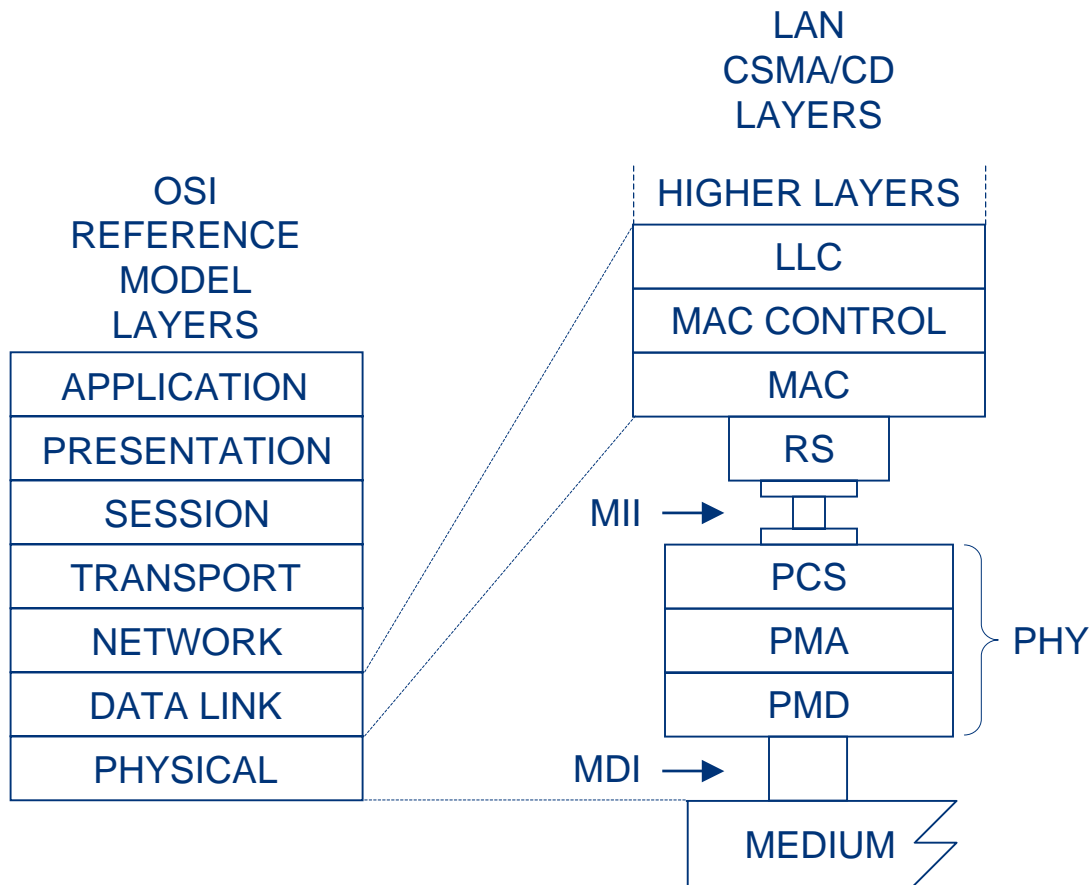
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Introduction

- **First pass** at possible P802.3ah EFM document structure
- Evolves as Task Force adopts baseline proposals
- Overview of *Document Architecture* not *Implementation Architecture*

OSI Layer Model



Existing Clauses

- **Clause 1 – Introduction** (EFM editor)
 - Additions to 1.4 Definitions
 - Additions to 1.5 Abbreviations
- **Clause 22 – RS/MII** ()
 - Edits to Mgmt Registers
- **Clause 30 – Management** (David)
 - New local and remote attributes
- **Clause 31 – MAC Control** ()
- **Clause 45 – MDIO Interface** ()
 - New Managed Device Addresses

New Clauses

- **Clause 54 – Introduction to Ethernet in the First Mile Networks** (EFM editor)
 - Overview, Related Standards, Media types, etc
- **Clause 55 – OAM** (Kevin)
 - **MAC OAM**
 - Frame format, protocol, negotiation, arcs to mgmt attributes
 - **PHY OAM** (*possibly separate clause*)
 - Preamble format, arcs to mgmt attributes
 - Reference to Clause 61 Copper OAM

New Clauses

- **Clause 56 – MPCP** (Ariel)
- **Clause 57 – RS/GMII for P2MP** (Ariel)
- **Clause 58 – 1000 Mb/s P2MP PMDs** (Ariel)
- **Clause 59 – 1000 Mb/s P2P PMDs** (Wael)
- **Clause 60 – 100 Mb/s P2P PMDs** (Wael)
- **Clause 61 – Copper** (Behrooz)
 - PMD
 - OAM in **IB/VOC/eoc**
- **Clause 62 – System Considerations** (EFM editor)

Existing Annexes

- **Annex 30A – GDMO specification for 802.3 managed object classes** (David)
 - New OIDs for managed objects
- **Annex 30B – GDMO and ASN.1 definitions for management** (David)
 - New OIDs for managed objects
- **Annex 31B – MAC Control Opcodes** (Ariel)
- **Annex 43B – Reqs for Slow Protocols** (Kevin)
 - Add OAM Opcode

New Annexes

- **Annex 62A – Environmentals (Wael)**

Future Work

- **Baseline → Draft 1.0**
 - **May - *Edinburgh***
 - **Adopt (additional) baseline proposals**
 - **Review available draft text**
 - **July - *Vancouver***
 - **Get Working Group ratification of baseline**
 - **Authorize distribution of D1.0 prior to September Interim**
 - **Sept - *TBD – South Eastern U.S.***
 - **Task Force comment resolution on D1.0**

Conclusion

- **Reaching consensus will permit the Task Force to start the real work of developing the Standard**