

IEEE 802.3

Clause 30 - Management

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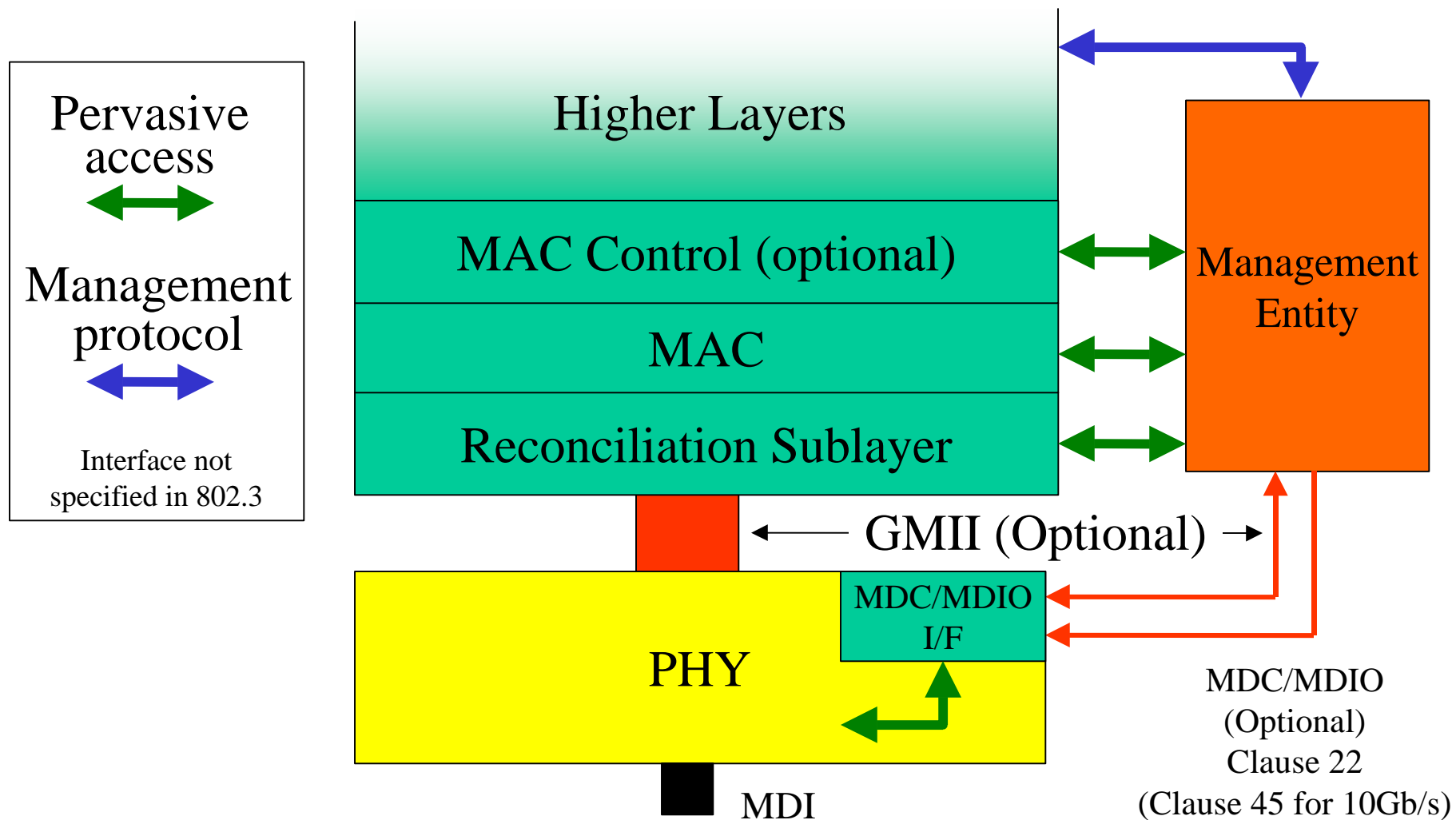
Document Structure

- Protocol independent MIB clause
 - Clause 30
- Protocol dependent MIB annexes
 - GDMO
 - Annex 30A & 30B
 - SNMP - Link Aggregation only
 - Annex 30C
- Normally SNMP MIB generated and published by IETF
 - References Clause 30 definitions

IETF & 802.3

- Co-operation with IETF Ethernet Interfaces and Hub MIB Working Group
 - IETF Reference 802.3 Standard where possible
 - IETF Include additional objects as necessary
 - Working Group Charter update to reflect this
 - "This set of objects should be largely compliant with, and even draw from IEEE 802.3, although there is no requirement that any specific object be present or absent"
 - "When objects are added that require hardware support, IEEE 802.3 shall be informed, so that they consider to add them to their draft/standard"

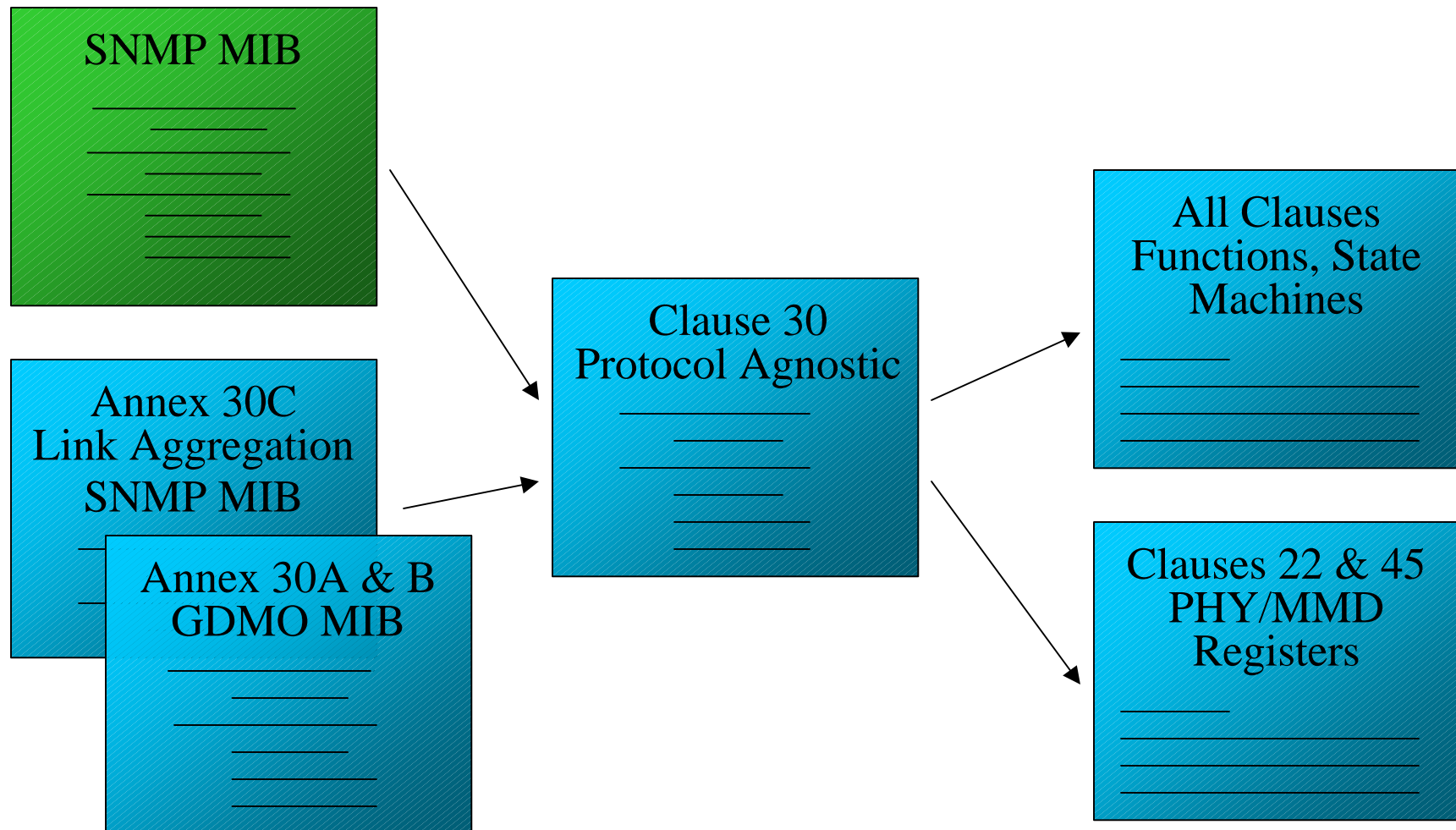
Clause 30 Management Model



Clause 30 Objects

- Generally provide Objects that are associated with hardware function
 - Object behaviour specifications reference functions and registers within the relevant Clause of 802.3
- Generally don't provide object if it doesn't require hardware support
 - Examples
 - Objects that could be calculated from other objects
 - IETF may add these

References to/from Clause 30



Summary

- Protocol Independent Clause 30
 - Generally hardware related Objects
 - References functions and/or registers in other clauses
 - Referenced by protocol specific MIBs
- IETF defines and/or update SNMP MIBs
 - As Dan reported, when the work of 802.3ah is fully defined the IETF WG will discuss including 802.3ah MIB work in its Charter.

IETF URLs

- IETF Ethernet Interfaces and Hub MIB Working Group Charter
 - <http://www.ietf.cnri.reston.va.us/html.charters/hubmib-charter.html>
- IETF RFCs
 - <http://www.ietf.cnri.reston.va.us/rfc.html>
- Internet Drafts
 - <http://www.ietf.cnri.reston.va.us/ID.html>