



Management for IET



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Task Force interim meeting

Management parameters

- No MDIO registers are require for preemption
All functions reside above the MII
- Management information should be added to Clause 30
- At some point, Std. IEEE 802.3.1 will be revised
MIB information will be derived from Clause 30.

Containment

- Three choices:
 - oMACEntity – subclause 30.3.1
 - oPHYEntity – subclause 30.3.2
 - New entity – oMACMerge – subclause 30.14.1
(child of oMACEntity)
- Propose that new entity would be appropriate
Function not in MAC, but above PHY (RS sublayer)
- Multiple paths – express / non-express
Dealt with similarly to EPON
802.3.1 clause will describe duplicate MAC stats...
... alongside single PHY (& MAC merge) instance

Objects

- All MAC stats for both paths remain the same
i.e. #frames, # CRC errors, etc.
- MAC Merge Sublayer stats
 - # non-end fragments sent / received
 - # receive sequence errors
- Other statistics needed?
 - Activation (events or time) of preemption function
(could be collected by source of preemption control)

First trial list of objects for oMACMerge

Name	Access	Type	Notes
aMACMergeID	GET	INTEGER	
aMacMergeEnabled	GET-SET	BOOLEAN	
aMacMergeMHoldRequestCount	GET	COUNTER	Need this?
aMacMergeMReleaseRequestCount	GET	COUNTER	Need this?
aMacMergeTxNonFinalFragments	GET	COUNTER	
aMacMergeRxNonFinalFragments	GET	COUNTER	
aMacMergeRxSeqErrors	GET	COUNTER	
aMacMergeRxMFCSErrors	GET	COUNTER	
aMacMergeRxSMDErrors	GET	COUNTER	

CISCO SYSTEMS

