Cl **00**   *SC* **0**   *P*   *L*   # 36

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status* **A**

There are still some instances of "bps" rather than b/s

SuggestedRemedy

Page 105 lines 13, 14 change "100Mbps" to "100 Mb/s" (2 instances)
Page 246 line 19 change "64 Kbps" to "64 kb/s"
Page 267 lines 13, 18 change "Kbps" to "kb/s" if this won't change the MIB function (2 instances)
Page 269 line 6 change "Kbps" to "kb/s" if this won't change the MIB function
Page 290, line 23 change "Kbps" to "kb/s" (2 instances)
Page 292 lines 9 to 12:
 change "data rates 192-2304 Kbps" to "data rates from 192 kb/s to 2304 kb/s"
 change "rates 2320-3840 Kbps" to "rates from 2320 kb/s to 3840 kb/s"
 change "and 768-5696 Kbps" to "and from 768 kb/s to 5696 kb/s"
Page 292 line 53 change "Kbps" to "kb/s" if this won't change the MIB function
Page 292 line 58 change "(n x 64)Kbps" to "(n x 64)kb/s"
Page 293 line 21 change "Kbps" to "kb/s" if this won't change the MIB function
Page 293 line 26 change "(n x 64)Kbps" to "(n x 64)kb/s"
Page 296 line 43 change "Kbps" to "kb/s" (2 instances)
Page 298 lines 13, 26 change "Kbps" to "kb/s" if this won't change the MIB function (2 instances)

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.
Change where the units appears in text, or in the DESCRIPTION clause within a MIB module, but do not change where they appear in the "UNITS" clause of a MIB module. Also look for instances of e.g. "1000Mbps" and change to e.g. "1000 Mb/s", except where this would change an object name.

Cl **00**   *SC* **0**   *P*   *L*   # 37

Anslow, Peter   Ciena

Comment Type   **T**   *Comment Status* **A**

There are still some instances of capitalised IETF keywords in the draft:
REQUIRED, SHALL, SHOULD, RECOMMENDED, MAY, and OPTIONAL

SuggestedRemedy

Change "REQUIRED" to "required" on:
Page 213 line 48
Page 248 line 8

On page 251 line 42, change "The implementation of the EtherLike-MIBdefined in Clause 10 and MAU-MIB defined in Clause 13 modules is REQUIRED for EFMCu interfaces." to "An agent implementing the objects defined in this clause shall also implement the objects required by the Ethernet-like interface MIB module defined in Clause 10 and the objects required by the MAU MIB module defined in Clause 13.

On Page 338 line 30 change "It is REQUIRED that an agent implementing the interface-MAU related objects in the MAU-MIB will also fully comply with ..." to "An agent implementing the interface-MAU related objects in the MAU-MIB shall also fully comply with ..."

Change "SHALL" to "shall" on:
Page 246 lines 18, 19 (2 instances)
Page 247 line 55
Page 250 lines 19, 20 (3 instances)
Page 252 lines 7, 8 (2 instances)

Change "SHOULD" to "should" on:
Page 212 line 65
Page 326 lines 48, 53 (2 instances)
Page 328 lines 36, 40 (2 instances)
Page 342 line 15

Change "RECOMMENDED" to "recommended" on:
Page 249 line 56

Change "MAY" to "may" on:
Page 162 line 19
Page 248 line 6
Page 249 line 51
Page 251 lines 16, 34 (2 instances)
Page 345 line 50
Page 346 line 17
Page 350 line 55
Page 351 line 22

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **00**
SC **0**

Page 1 of 21
7/20/2010 4:39:37 PM

Change "OPTIONAL" to "optional" on:
Page 248 line 6

Response   *Response Status* **C**

  ACCEPT.

Cl **00**   *SC* **0**   *P*   *L*   *#* 35

Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**

  The draft is inconsistent in the name used for the Ethernet-like MIB module.
  A search of the draft gives:
  Ethernet-like 117 instances
  Ether-like 6 instances
  Etherlike 11 instances

SuggestedRemedy

  Since the title of clause 11 is Ethernet-like interface MIB module, change all instances of
  Ether-like and Etherlike to Ethernet-like unless this will alter the function of the compileable
  text.

Response   *Response Status* **C**

  ACCEPT IN PRINCIPLE.
  Retain EtherLike-MIB where used as the name of the module (should actually be
  IEEE8023-EtherLike-MIB)

Cl **00**   *SC* **0**   *P* **1**   *L* **41**   *#* 89

Dawe, Piers   IPtronics

Comment Type **ER**   *Comment Status* **R**

  This draft of 802.3.1 has virtually no material to set the context or
  explain what it is about. No explanation of MIBs or SNMP, although there are
  a few references to IETF documents.

  The introductory material for individual clauses ranges from two lines to 8 pages. It is
  extremely unbalanced and very lacking for "mainstream" Ethernet port types.
  5. Ethernet logical link discovery protocol (LLDP) extension MIB module
  has only two lines to set the context and explain what LLDP extension is about.
  6. Ethernet operations, administration, and maintenance (OAM) MIB module
  has a page and a half.
  7. Ethernet repeater device MIB module
  has half a page, which don't say what a repeater or repeater device is or how it works, but
  do provide references.
  8. Ethernet data terminal equipment (DTE) power via medium dependent interface (MDI)
  MIB module
  has a couple of paragraphs, doesn't have a reference to PoE.
  9. Ethernet passive optical networks (EPON) MIB module
  has 8 pages! Including a complete general-purpose teach-in for 1G-EPON.
  10. Ethernet-like interface MIB module
  has just two paragraphs,
  "This clause defines a portion of the Management Information Base (MIB) for use with
  network management protocols in the Internet community. In particular, it defines objects
  for managing Ethernet-like interfaces.
  Instances of these object types represent attributes of an interface to an Ethernet-like
  communications medium." No scope, no references, no background, architecture or
  meaningful introduction. Compare Clause 9.
  11. Ethernet in the first mile copper (EFMCu) interfaces MIB module
  has 1/3 page.
  12. Ethernet wide area network (WAN) interface sublayer (WIS) MIB module
  has 1/3 page.
  13. Ethernet medium attachment units (MAUs) MIB module
  has 1/3 page, containing a little useful history, but no primer on MAUs, CSMA/CD, 802.3
  port types, network topology, ...

SuggestedRemedy

  Originally I intended to abstain on this draft standard because I did not know what it was
  about. Now, I am voting against, because the draft fails to give the reader a reasonable
  chance to learn what it is about, what the scope and purpose of the overall document is,
  and of the individual clauses. The whole document needs an introduction, not just a
  description of document rearrangements. Clauses 10 and 13 need introductions. The
  balance between different clauses should be improved.

Response   *Response Status* **W**

  REJECT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **00**
SC **0**

Page 2 of 21
7/20/2010 4:39:37 PM

The EPON text serves to educate users who may not be as familiar with this newer technology as they are with point to point or CSMA/CD Ethernet.

This standard is intended to be used by implementers of SMIv2 MIB modules for use with the SNMP network management protocol. Therefore, it should not be necessary to provide tutorial information about MIBs or SMIv2, or SNMP, especially since the normative references and bibliography provide ample background material.

Cl **01**   *SC* **1**   *P* **13**   *L* **35**   **#** 38

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

This says "and IETF RFCs 2108, 3621, 3635, 3637, 4836, 4837, 4878, 5066.", but the IEEE style manual uses the full title for each instance

SuggestedRemedy

change to "and IETF RFC 2108, IETF RFC 3621, IETF RFC 3635, IETF RFC 3637, IETF RFC 4836, IETF RFC 4837, IETF RFC 4878, IETF RFC 5066."

Response   *Response Status*   **C**

ACCEPT.

Cl **01**   *SC* **1.1**   *P* **13**   *L* **36**   **#** 87

Dawe, Piers   IPtronics

Comment Type   **ER**   *Comment Status*   **R**

Supporting Dan Romascanu's comment "I could not figure out the logic of the order of the inclusion of the MIB modules."

SuggestedRemedy

Whether you change the order or not, add text somewhere in Clause 1 (it could be a new "1.5 Organization of this standard" to tell the reader what's going on and where to find things.

Response   *Response Status*   **W**

REJECT.
There is no concensus to change the order of the modules. Introductory text would be considered if it were contributed. The table of contents provides an outline of the document.

Cl **01**   *SC* **1.1**   *P* **13**   *L* **46**   **#** 108

Thompson, Geoff   GraCaSI

Comment Type   **ER**   *Comment Status*   **R**

The scope statement doesn't line up withe the statement in the preceding paragraph. Specifically, the previous paragraph says the standard "supersedes ...802.1AB-2009 Annex F" but the scope doesn't reflect that.

SuggestedRemedy

Not precisely sure, but I think the correct corrective text would show up in the 2nd sentence as "as well as extensions [specified in 802.1AB] resulting from recent amendments to IEEE Std 802.3."

(or is it the case that this doesn't supersede 802.1AB, but rather that was done by 802.3at? It's all so confusing. I've lost track.)

Response   *Response Status*   **W**

REJECT.
IEEE Std 802.3bc incorporated some of the material from IEEE Std 802.1AB-2009 Annex F into Clause 79. IEEE P802.3.1 incorporates the remaining material from Annex F (i.e. the SMIv2 MIB module).
Thus, P802.3.1 is intended to supersede and make obsolete Annex F.
Changing the scope statement would require a change to the PAR, which doesn't seem warranted, since the inclusion of the LLDP extension MIB module can fall under the scope of "extensions resulting from recent amendments".

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **01**
SC **1.1**

Page 3 of 21
7/20/2010 4:39:37 PM

Cl **01**   *SC* **1.1**   *P* **13**   *L* **46**   # 99

Dawe, Piers   IPtronics

Comment Type   **TR**   *Comment Status*   **R**

Text says "This standard contains the Management Information Base (MIB) module specifications for IEEE Std 802.3, also known as Ethernet." That means all of 802.3, including all recent amendments (the entry in 2. Normative references is undated). Also it says "...as well as extensions resulting from recent amendments to IEEE Std 802.3." Yet response to e.g. D2.0 comments 190 and 297 say e.g. "updates resulting from 802.3at, 802.3av, 802.3az, 802.3ba will be considered in a future amendment to 802.3.1".

SuggestedRemedy

Delete "as well as extensions resulting from recent amendments to IEEE Std 802.3." Insert "This standard addresses the published 802.3-2008 [and 802.3xx if any amendments since 802.3-2008 are indeed included]. It does not address 802.3at, 802.3av, 802.3az, or 802.3ba."
Date the reference to 802.3 in Clause 2. It wouild be as well to list what's in and what's out there also.

Response   *Response Status*   **W**

REJECT.
The scope statement exactly matches the approved PAR. The scope statement was written so as not to require modification for each amendment to P802.3.1. The list of recent amendments to 802.3 that are included in the scope of the initial version of P802.3.1 was approved at the time the PAR was approved, and is reflected in the project objectives.

Cl **01**   *SC* **1.2**   *P* **13**   *L* **54**   # 109

Thompson, Geoff   GraCaSI

Comment Type   **E**   *Comment Status*   **R**

Paragraph needs minor editorial rework. Just easier to show you my proposed text

SuggestedRemedy

The purpose of this standard is to publish the SMIv2 and GDMO MIB module specifications in a single document that is separate from IEEE Std 802.3. The "program" portions of this standard is to be published in a machine-readable format. Future amendments and revisions to IEEE Std 802.3.1 will be performed to update the MIB specifications as required to track future amendments and revisions to IEEE Std 802.3.

Response   *Response Status*   **C**

REJECT.
The text is copied from the approved PAR.

Cl **01**   *SC* **1.3**   *P* **14**   *L* **11**   # 39

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

"IETF STD 58, IETF RFC 2578, IETF STD 58, IETF RFC 2579 and IETF STD 58, IETF RFC 2580" is rather confusing since it looks like a lsi of standards where "IETF STD 58" is referenced three time as well as the RFCs.

SuggestedRemedy

The "IETF is only needed once per reference so change to "IETF STD 58, RFC 2578, IETF STD 58, RFC 2579 and IETF STD 58, RFC 2580".
To make this more understandable, also consider changing in section 2 (Normative references)to match. For example change "IETF RFC 2578," to "IETF STD 58, RFC 2578,"

Response   *Response Status*   **C**

ACCEPT.

Cl **01**   *SC* **1.4**   *P* **14**   *L* **22**   # 40

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

"RFC3410" should be "RFC 3410" similarly elsewhere in the draft.

SuggestedRemedy

change "RFC3410" to "RFC 3410" using a non-breaking space (ctrl space)
Similarly on:
page 42, line 42
page 152, line 38
page 311, line 19

Response   *Response Status*   **C**

ACCEPT.

Cl **01**   *SC* **1.5**   *P* **14**   *L* **52**   # 41

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

The reference to RFC 2580 is inconsistent with those in subclause 1.3

SuggestedRemedy

Change to "IETF STD 58, RFC 2580"
Same issue on:
Page 17, line 32
Page 24, line 65
Page 338, line 8

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **01**
SC **1.5**

Page 4 of 21
7/20/2010 4:39:37 PM

Cl **02**   *SC* **2**   *P* **16**   *L* **41**   # 95
Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status*   **A**

ITU-T Recommendation G.975, 2000—Optical fibre submarine cable systems—Forward error correction for submarine systems.
has nothing to do with Ethernet MIBs (FEC can be present or absent, and turned on or off, but the choice of code is not managed). And per 9.1.2.7, it's only a "similar" FEC code.
The MAC is not a layer, it's a sublayer.

SuggestedRemedy

Delete the reference. In 9.1.2.7, delete
"The optional FEC code used in EPON is the RS(239,255,8), similar to the FEC code defined in ITU-T G.975, improving the link BER from 10-4 to 10-12, which is the target BER at the MAC layer."
In the previous paragraph, insert after "available link budget" "by improving the link BER from 10-4 to 10-12 (the target BER at the MAC)".
9.1.2 contains other irrelevant material that should also be pruned.

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.
Delete the reference, and the offending sentence in 9.1.2.7, and make the suggested insertion afer "available link budget".

Cl **03**   *SC* **3**   *P* **17**   *L* **1**   # 47
Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

The IEEE style manual has the words being defined as all lower case and in bold font with a colon seperating the word(s) from the definition.

SuggestedRemedy

change all definitions to have the word(s) being defined as all lower case and in bold font with a colon seperating the word(s) from the definition.

Response   *Response Status*   **C**

ACCEPT.

Cl **03**   *SC* **3**   *P* **17**   *L* **5**   # 110
Thompson, Geoff   GraCaSI

Comment Type   **E**   *Comment Status*   **A**

Since a glossary is not definitive and ofen offers multiple choices for meanings of a term, the action "should be referenced" is overreach. Change to a more flexible action

SuggestedRemedy

Change "should be refererenced" to "should be consulted"

Response   *Response Status*   **C**

ACCEPT.

Cl **03**   *SC* **3.10**   *P* **17**   *L* **48**   # 114
Thompson, Geoff   GraCaSI

Comment Type   **ER**   *Comment Status*   **A**

The term "CV" does not appear in the abbreviations section

SuggestedRemedy

Add "CV" to abbreviations or expand the term in the definition.

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.
Expand CV to "coding violations".

Cl **03**   *SC* **3.17**   *P* **18**   *L* **18**   # 115
Thompson, Geoff   GraCaSI

Comment Type   **TR**   *Comment Status*   **A**   *chassis*

This def'n is also badly out of date and needs to be updated in parallel with the update to the definition of Chassis.

SuggestedRemedy

Strawman proposal:
3.17 System interconnect segment - An internal segment allowing interconnection of ports belonging to different physical entities into the same logical manageable repeater, bridge or networked system. Examples of implementation might be backplane busses in modular hubs, or chaining cables in stacks of bridges/switches. It is not uncommon fo such segments to be a proprietary implementation.

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.
3.17 System interconnect segment - An internal segment allowing interconnection of ports belonging to different physical entities into the same logical managed repeater, bridge or other system. Examples of implementation might be backplane busses in modular hubs, or chaining cables in stacks of bridges/switches. It is not uncommon for such segments to be a proprietary implementation.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **03**
SC **3.17**

Page 5 of 21
7/20/2010 4:39:37 PM

Cl **03**   *SC* **3.17**   *P* **18**   *L* **20**   # 12
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status*   **A**
"fo" s/b "for"

SuggestedRemedy
per comment.

Response   *Response Status*   **C**
ACCEPT.
See also response to comment #115

Cl **03**   *SC* **3.2**   *P* **17**   *L* **11**   # 111
Thompson, Geoff   GraCaSI

Comment Type   **TR**   *Comment Status*   **A**   *chassis*
The definition of "Chassis" is badly out of date. It needs to be expanded so that we can use it to reflect current product technology. Repeaters have gone away (though I have no particular objection to keeping them as a portion of the definition). Chassis are used these days for containing systems that contain multiple instances of 802.3 interfaces (MACs and their associated PHYs) that are configured as bridges/switches and/or various flavors of servers.

SuggestedRemedy
Suggested strawman:
3.2 Chassis - An enclosure for one managed repeater, bridge or networked system, part of a managed repeater, bridge or networked system, or several instances therof.
It typically contains an integral power supply and a variable number of available module slots.

Response   *Response Status*   **W**
ACCEPT IN PRINCIPLE.
Delete the definition. See also the response to comment #13

Cl **03**   *SC* **3.2**   *P* **17**   *L* **11**   # 13
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**   *chassis*
The definition for Chassis is rather limiting. Switches, routers, and servers come in chassis too.

SuggestedRemedy
Preface the definition with: "Within the context of the repeater management MIB module defined in Clause 7:"

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
The word "chassis" appears only in the definitions clause, indicating that it is not essential to provide a special definition for this word. So, delete it from the definitions clause.

Cl **03**   *SC* **3.3**   *P* **17**   *L* **15**   # 112
Thompson, Geoff   GraCaSI

Comment Type   **TR**   *Comment Status*   **R**   *chassis*
The definition of "Group" needs to be updated along with the definition of Chassis as outlined in a previous comment.

SuggestedRemedy

Response   *Response Status*   **W**
REJECT.
No suggested remedy provided.
See response to comments #111 and #13

Cl **03**   *SC* **3.5**   *P* **17**   *L* **25**   # 113
Thompson, Geoff   GraCaSI

Comment Type   **E**   *Comment Status*   **A**
The definition for loss of codegoup delineation sounds a little too specific. It should probably be redefined so that it actually IS "loss of codegroup delineation" in the general case instead of just for the 64/66 case.

SuggestedRemedy

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
Replace the definition of Loss of Code Group Deliniation with: See IEEE Std 802.3 50.3.5.3.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **03**
SC **3.5**

Page 6 of 21
7/20/2010 4:39:37 PM

Cl **03**   *SC* **3.6**   *P* **17**   *L* **31**   # 79
Dawe, Piers   IPtronics

Comment Type   **E**   *Comment Status*   **A**
I am satisfied with the response to my comment 132 on D2.0 (response adds a definition
and reference for "managed object", now at 3.6).
But entries in definitions and abbreviations lists don't take capitals just because they are at
the beginning of the entry (see "agent" above)

SuggestedRemedy
Change "Managed object" to "managed object", make similar changes as appropriate to
other entries.

Response   *Response Status*   **C**
ACCEPT.

Cl **04**   *SC* **4**   *P* **19**   *L* **55**   # 14
Frazier, Howard   Broadcom Corporation

Comment Type   **T**   *Comment Status*   **A**
MPCPDU is missing from the list of abbreviations

SuggestedRemedy
Add
MPCPDU - multi-point control protocol data unit
to the list of abbreviations.

Response   *Response Status*   **C**
ACCEPT.

Cl **04**   *SC* **4**   *P* **19**   *L* **63**   # 101
Lynskey, Eric   Broadcom

Comment Type   **E**   *Comment Status*   **A**
Is the OMP acronym correct?

SuggestedRemedy
Change to optical multipoint.

Response   *Response Status*   **C**
ACCEPT.

Cl **05**   *SC* **5.2**   *P* **21**   *L* **41**   # 116
Thompson, Geoff   GraCaSI

Comment Type   **E**   *Comment Status*   **A**
The following text is not true: "Support of the version 2 MIB module is a requirement for
conformance to the required ... capabilities in IEEE Std 802.3." since it does not specify
which "required capabilities". That means it must be required for all the capabilities of
IEEE Std 802.3. Perhaps you mean the case where managment "Capabilities" are actually
called out as being required. Since management is optional, some word tweaking is
required.
(This is an argument against pubs editors "fixing" capitalization. It takes a reserved word
(i.e. "Capability" in the defined sense within management and makes it indistinguishable
from the generic sense of the word.)

SuggestedRemedy
Change to "Support of the version 2 MIB module is a requirement for conformance to the
required ... management Capabilities in IEEE Std 802.3."

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.

Replace the entire contents of subclause 5.2 with:
Version 1 of the IEEE 802.3 LLDP extension MIB module is deprecated.

Cl **05**   *SC* **5.4**   *P* **25**   *L* **13**   # 15
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
Need to add a copyright permission statement for the ASCII version of the MIB module,
similar to the one that the IEEE 802.1 WG uses.

SuggestedRemedy
Add a footnote to the end of line 13 "...URL:" that reads:
"Copyright release for MIB modules: Users of this standard may
freely reproduce the MIB module contained in this subclause so
that it can be used for its intended purpose."

Response   *Response Status*   **C**
ACCEPT.
And repeat for all of the MIB modules.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line
     Cl **05**
     SC **5.4**
Page 7 of 21
7/20/2010 4:39:37 PM

Cl **06**   *SC* **6.2**   *P* **41**   *L* **28**   # 96
Dawe, Piers   IPtronics

Comment Type   **TR**   *Comment Status* **A**

6.1 says "The IEEE 802.3ah Ethernet in the First Mile (EFM) Task Force added
management capabilities to Ethernet-like interfaces to provide...". 6.2 says "Ethernet OAM
is composed of a core set of functions and a set of optional functional groups. The
mandatory functions include". Clause 30 has an OAM package that is "conditional". I don't
believe that Ethernet OAM should be described as "mandatory"; there are many port types
that don't require it.

SuggestedRemedy

Change "mandatory" to "core" (if that's the term used wherever this is defined). Refer to
wherever this grouping is defined: is it in 30 or 57?

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
Change "mandatory" to "core".
The grouping into core and optional functions is not neatly defined in any one place, but a
reference to IEEE Std 802.3 Clause 57 could be helpful, so add:
"as described in IEEE Std 802.3 Clause 57"
to the end of the first sentence of 6.2.

Cl **06**   *SC* **6.3**   *P* **42**   *L* **42**   # 17
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status* **A**

Missing space in "RFC2863".
How did this sneak through?

SuggestedRemedy

Insert space: RFC 2863
Do another GSR.

Response   *Response Status* **C**

ACCEPT.

Cl **06**   *SC* **6.3**   *P* **42**   *L* **43**   # 91
Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status* **A**

Draft says "Ethernet-like interfaces defined in Clause 10". Clause 10 doesn't define
Ethernet-like interfaces, or Ethernet interfaces, it defines a MIB module.

SuggestedRemedy

Change to "... interface MIB module defined in Clause 10".

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
"...Ethernet-like interfaces MIB module defined in Clause 10."

Cl **06**   *SC* **6.3.2**   *P* **42**   *L* **62**   # 18
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status* **A**

Avoid use of double negative. When we changed this sentence to insert "OAM",
it became even harder to parse.

SuggestedRemedy

All IEEE Std 802.3 OAM managed objects are reflected in this MIB module.

Response   *Response Status* **C**

ACCEPT.

Cl **06**   *SC* **6.6**   *P* **46**   *L* **22**   # 16
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status* **A**

Need to add a copyright permission statement for the ASCII version of the MIB module,
similar to the one that the IEEE 802.1 WG uses.

SuggestedRemedy

Add a footnote to the end of line 22 "...URL:" that reads:
"Copyright release for MIB modules: Users of this standard may
freely reproduce the MIB module contained in this subclause so
that it can be used for its intended purpose."

Response   *Response Status* **C**

ACCEPT.
And repeat for all of the MIB modules.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **06**
SC **6.6**

Page 8 of 21
7/20/2010 4:39:37 PM

Cl **07**   *SC* **7**   *P* **83**   *L*   # 92
Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status*   **R**
The majority of the MIB clauses have a table "Mapping between IEEE 802.3 managed objects and ... objects" or similar but 7 and 8 don't.

SuggestedRemedy
Would it help if they did?

Response   *Response Status*   **C**
REJECT.
The tables are of questionable value.
The repeater MIB may be problematic, since there may be significant differences between the object defined in IEEE Std 802.3 Clause 30 and IEEE P802.3.1 Clause 7. The PoE MIB should be more straightforward if there is a volunteer who would like to offer up a mapping table.

Cl **07**   *SC* **7.1.1**   *P* **83**   *L* **26**   # 21
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status*   **A**
decapitalize "Repeater".
Later in the sentence, there is an extra space in "repeater- like".

SuggestedRemedy
"These repeater MIB..."
"repeater-like"

Response   *Response Status*   **C**
ACCEPT.
Also decap on p 84 l 37
Also decap in 13.2.2.2 three places

Cl **07**   *SC* **7.1.1**   *P* **83**   *L* **36**   # 22
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status*   **A**
"The IEEE document" s/b "IEEE Std 802.3".

SuggestedRemedy
per comment.

Response   *Response Status*   **C**
ACCEPT.

Cl **07**   *SC* **7.1.2**   *P* **83**   *L* **49**   # 23
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status*   **A**
Decapitalize "ONLY".

SuggestedRemedy
"only"

Response   *Response Status*   **C**
ACCEPT.

Cl **07**   *SC* **7.1.3**   *P* **84**   *L* **13**   # 24
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
The ham-handed editor must have messed up the implementation of a comment from D2.0, because we have some funny subclause numbering going on.

SuggestedRemedy
Delete heading 7.1.3 Relationship to Other MIBs, and promote the next three headings by one level each, so that you have:
7.1.3 Relationship to MIB-II
...
7.1.3.1 Relationship to the system group
...
7.1.3.2 Relationship to the interfaces group

Response   *Response Status*   **C**
ACCEPT.

Cl **07**   *SC* **7.1.3.1.2**   *P* **84**   *L* **46**   # 25
Frazier, Howard   Broadcom Corporation

Comment Type   **TR**   *Comment Status*   **A**
The statement "...but does not process incoming data based on any packet-related information (such as checksum or addresses)." does not seem to be entirely true, though it may have been true in the distant past. There are objects in this module that track MAC addresses, and FCS errors.

SuggestedRemedy
Change the paragraph to read:
This is consistent with the physical-layer nature of a repeater. A repeater-unit is a bitwise store-and-forward device. A repeater port has no MAC address, no MAC implementation, and does not pass packets up to higher-level protocol entities for processing.

Response   *Response Status*   **C**
ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **07**
SC **7.1.3.1.2**

Page 9 of 21
7/20/2010 4:39:37 PM

Cl **07**   *SC* **7.3**   *P* **116**   *L* **23**   # 20
Frazier, Howard   Broadcom Corporation

Comment Type   **TR**   *Comment Status* **A**
  Integer abuse!
  The syntax "Integer32" should be
  used instead of "INTEGER" in SMIv2 for a signed integer
  with this range.

SuggestedRemedy
  Replace "INTEGER" with "Integer32" here and also on line 33.

Response   *Response Status* **C**
  ACCEPT.

Cl **07**   *SC* **7.3**   *P* **84**   *L* **1**   # 19
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status* **A**
  Need to add a copyright permission statement for the ASCII version of the MIB module,
  similar to the one that the IEEE 802.1 WG uses

SuggestedRemedy
  Add a footnote to the end of line 1 "...URL:" that reads:
  "Copyright release for MIB modules: Users of this standard may
  freely reproduce the MIB module contained in this subclause so
  that it can be used for its intended purpose."

Response   *Response Status* **C**
  ACCEPT.
  And repeat for all of the MIB modules.

Cl **08**   *SC* **8.1**   *P* **131**   *L* **8**   # 80
Dawe, Piers   IPtronics

Comment Type   **E**   *Comment Status* **A**
  What does "protocols in the Internet community" mean?

SuggestedRemedy
  As for D2.0 comment 164 on 7.1 (now 6.1): change "network management protocols in the
  Internet community" to SNMP" here, and in 10.1, 11.1, 13.1.
  For consistency, in 9.1 change "This clause defines a portion of the Management
  Information Base (MIB) for use with network management protocols in TCP/IP based
  Internets. In particular, it defines objects for managing interfaces that conform to the 1 Gb/s
  Ethernet Passive Optical Networks (1G-EPON) standard as defined in IEEE Std 802.3,
  providing extended capabilities to the Ethernet-like interfaces." to "This clause defines a
  MIB module for use with SNMP to manage 1G-EPON interfaces for Ethernet Passive
  Optical Networks (see IEEE Std 802.3).
  Shouldn't there be similar wording in 7, 8 and 12?

Response   *Response Status* **C**
  ACCEPT.
  And yes there should be similar text in
  7, 8, and 12.

Cl **08**   *SC* **8.4**   *P* **132**   *L* **21**   # 28
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status* **A**
  Use of the word "even" in two places in this sentence adds no value.

SuggestedRemedy
  Reword the sentence as follows: "It is thus important to control GET and/or NOTIFY access
  to these objects and possibly to encrypt their values when sending them over the network
  via SNMP."

Response   *Response Status* **C**
  ACCEPT.

Cl **08**   *SC* **8.5**   *P* **132**   *L* **25**   # 27
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status* **A**
  The subclause heading for the MIB module definitions is inconsistent across clauses.

SuggestedRemedy
  Use a consistent subclause heading, such as "MIB module definitions".

Response   *Response Status* **C**
  ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **08**
SC **8.5**

Page 10 of 21
7/20/2010 4:39:37 PM

Cl **08**   *SC* **8.5**   *P* **132**   *L* **33**   # 26
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
Need to add a copyright permission statement for the ASCII version of the MIB module, similar to the one that the IEEE 802.1 WG uses

SuggestedRemedy
Add a footnote to the end of line 33 "...URL:" that reads:
"Copyright release for MIB modules: Users of this standard may freely reproduce the MIB module contained in this subclause so that it can be used for its intended purpose."

Response   *Response Status*   **C**
ACCEPT.
And repeat for all of the MIB modules.

Cl **09**   *SC*   *P*   *L*   # 105
Lynskey, Eric   Broadcom

Comment Type   **TR**   *Comment Status*   **R**
Many statistics listed here are applicable only for the OLT or ONU. It doesn't seem right to say that a statistic is applicable for all virtual OLT interfaces and that each one "should" return a value of 0. If it isn't applicable, let's say so. Also, we should be very clear, as in "shall" about what these statistics return. If the stat doesn't apply, why give a recommendation on the value?

SuggestedRemedy
Scrub the document for all statistics and verify they are correct.

Response   *Response Status*   **C**
REJECT.
Commenter is requested to supply additional detail in the suggested remedy.

Cl **09**   *SC* **9.1.1**   *P* **149**   *L* **17**   # 85
Dawe, Piers   IPtronics

Comment Type   **E**   *Comment Status*   **A**
9.1.1 contains nothing but an editor's note, would be empty on publication.

SuggestedRemedy
Remove the heading.

Response   *Response Status*   **C**
ACCEPT.
Oops. It should have been removed when we moved the abbreviations to Clause 4.

Cl **09**   *SC* **9.1.2.1**   *P* **146**   *L* **14**   # 29
Frazier, Howard   Broadcom Corporation

Comment Type   **E**   *Comment Status*   **A**
Missing spaces.

SuggestedRemedy
b) definition...
c) PMA...

Response   *Response Status*   **C**
ACCEPT.

Cl **09**   *SC* **9.1.2.3**   *P* **146**   *L* **54**   # 30
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
Grammar could be improved, and while the transmission is broadcast at the physical layer, it is usually unicast at the link layer.

SuggestedRemedy
In the downstream direction, the transmission channel is always available to the OLT, thus Time Division Multiplexing (TDM) is used. Transmissions from the OLT arrive at all of the connected ONUs and the individual ONUs filter data from the OLT's transmission based on the...

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
The downstream transmission channel is always available to the OLT, thus Time Division Multiplexing (TDM) is used. Transmissions from the OLT arrive at all of the connected ONUs and the individual ONUs filter data from the OLT's transmission based on the logical link identifiers…

Cl **09**   *SC* **9.1.2.3**   *P* **146**   *L* **60**   # 31
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
Grammar could be improved.

SuggestedRemedy
In the upstream direction, the physical channel is shared among a number of connected and registered ONUs using Time Division Multiple Access (TDMA).

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
The upstream transmission channel is shared among a number of connected and registered ONUs using Time Division Multiple Access (TDMA).

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **09**
SC **9.1.2.3**

Page 11 of 21
7/20/2010 4:39:37 PM

Cl **09**   *SC* **9.1.2.4**   *P* **147**   *L* **39**   # 32
Frazier, Howard   Broadcom Corporation

Comment Type **ER**   *Comment Status* **A**

This subclause has some qualitative tutorial information that can be safely omitted, and the grammar could be improved.

SuggestedRemedy

The EPON PMD specifications are based on a wavelength plan similar to that used by ITU-T G.983.1. The OLT and ONU optical parameters were derived in part from earlier 1000 Mb/s Ethernet PMD specifications, with the addition of
WDM capabilities, and burst mode operation for ONU transmitters and the OLT receiver.

The upstream burst mode operation capability corresponds directly to the TDMA operation in the upstream direction, where queued data is burst from
individual ONUs at full data rate for the duration of the allocated transmission period. Once completed, the ONU goes silent and another
ONU starts transmitting its data.

Response   *Response Status* **C**

ACCEPT.

Cl **09**   *SC* **9.1.2.6**   *P* **149**   *L* **14**   # 33
Frazier, Howard   Broadcom Corporation

Comment Type **E**   *Comment Status* **A**

"uplink" looks like a new term, whereas "upstream" was
defined earlier in the clause.

SuggestedRemedy

Replace "uplink" with "upstream".

Response   *Response Status* **C**

ACCEPT.

Cl **09**   *SC* **9.1.3**   *P* **151**   *L* **43**   # 86
Dawe, Piers   IPtronics

Comment Type **ER**   *Comment Status* **A**

Management Architecture should be "Management architecture". There are many other spurious capitals, although I notice Clause 6 has been cleaned up. I've made this an ER because there are so many (look at the contents).

SuggestedRemedy

Please fix this and other similar examples throughout the document.

Response   *Response Status* **W**

ACCEPT.

Cl **09**   *SC* **9.1.3**   *P* **152**   *L* **29**   # 83
Dawe, Piers   IPtronics

Comment Type **E**   *Comment Status* **A**

Diagram keys "FEC = Forward Error Correction" and "PHY = PHYSICAL LAYER DEVICE" but I don't see items called FEC or PHY.

SuggestedRemedy

Use them or remove them.

Response   *Response Status* **C**

ACCEPT.
Remove them.

Cl **09**   *SC* **9.1.3**   *P* **152**   *L* **37**   # 78
Dawe, Piers   IPtronics

Comment Type **E**   *Comment Status* **A**

Clause 9 uses "ether-Like", "Ether-like", "Ether- like" and "Etherlike", while the document generally (including Clause 9) uses "Ethernet-like" and no other clause uses the first three forms.
Clause 10 uses "Etherlike" once in the ASCII "IEEE8023-EtherLike-MIB DEFINITIONS ::= BEGIN"
11.2 uses "EtherLike five times.
12.3 uses "EtherLike-MIB" once, in the ASCII.
13.5 uses "EtherLike-MIB" once, in the ASCII

SuggestedRemedy

Change all to "Ethernet-like" or "Ethernet" or "802.3" (depending what you mean) if not addressed by other comments.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
See response to comment #35

Cl **09**   *SC* **9.1.3**   *P* **152**   *L* **5**   # 82
Dawe, Piers   IPtronics

Comment Type **E**   *Comment Status* **A**

Diagram contains SHOUTY ALL-CAPITALS, unlike many figures in this document. As this is to be a new standard, not part of 802.3, we can take this opportunity to make more consistent and better figures.

SuggestedRemedy

Please change "HIGHER LAYERS" to "Higher layers" and so on.

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **09**
SC **9.1.3**

Page 12 of 21
7/20/2010 4:39:37 PM

Cl **09**   *SC* **9.2**   *P* **153**   *L* **44**   # 1

Frazier, Howard   Broadcom Corporation

Comment Type **E**   *Comment Status* **A**

    decapitalize Module.

SuggestedRemedy

    ...MIB module...

Response   *Response Status* **C**

    ACCEPT.
    And do a GSR "Module"/"module"

Cl **09**   *SC* **9.2**   *P* **155**   *L* **37**   # 48

Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**

    In Table 9-3 the superscript "a" is on a different line from "BRCT_MAC_Address"

SuggestedRemedy

    Make the Value column wider so they are both on the same line.

Response   *Response Status* **C**

    ACCEPT.

Cl **09**   *SC* **9.2**   *P* **155**   *L* **37**   # 2

Frazier, Howard   Broadcom Corporation

Comment Type **E**   *Comment Status* **A**

    addition of the superscript "a" pointing to the Table 9-3 table footnote
    has made the 7th row, second column cell contents too wide to fit.

SuggestedRemedy

    resize column to selected cells contents.

Response   *Response Status* **C**

    ACCEPT.

Cl **09**   *SC* **9.2**   *P* **156**   *L* **19**   # 49

Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**

    In Table 9-4 the superscript "a" for footnote a appears part way through
    "ONU1_MAC_Address"
    Also, the footnotes use different font sizes

SuggestedRemedy

    Move the "a" to the end of "ONU1_MAC_Address"
    Change the footnotes to 9 pt font. Do the same for Tables 9-2, 9-3, 9-5, 9-6, 9-7 and 9-8

Response   *Response Status* **C**

    ACCEPT.

Cl **09**   *SC* **9.2**   *P* **156**   *L* **19**   # 3

Frazier, Howard   Broadcom Corporation

Comment Type **E**   *Comment Status* **A**

    Table footnote a) is embedded in the value ONU1_MAC_Address.

SuggestedRemedy

    Move it to the end of the value ONU1_MAC_Address.

Response   *Response Status* **C**

    ACCEPT.

Cl **09**   *SC* **9.3.1**   *P* **155**   *L* **63**   # 102

Lynskey, Eric   Broadcom

Comment Type **E**   *Comment Status* **A**

    Ether-like??? EPON is a well defined and highly deployed Ethernet interface, as defined
    as one of the many clauses of 802.3.

SuggestedRemedy

    Replace the usage of Ether-like throughout the document with something more fitting.

Response   *Response Status* **C**

    ACCEPT IN PRINCIPLE.
    Delete the first sentence of 9.3.1.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line   *Cl* **09**   *SC* **9.3.1**   Page 13 of 21   7/20/2010 4:39:38 PM

Cl **09**   *SC* **9.3.1**   *P* **155**   *L* **64**   # 90

Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status*   **A**

What does "EPON interface is a kind of Ether-like interface." mean?

SuggestedRemedy

Delete the sentence.

Response   *Response Status*   **C**

ACCEPT.
See response to comment# 102

Cl **09**   *SC* **9.3.1**   *P* **155**   *L* **65**   # 50

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

The text
"Therefore, if this module is implemented, the Interfaces MIB module defined in IETF RFC
2863 and the Ethernet-like Interfaces MIB module defined in Clause 10 shall also be
implemented.
Implementing this module therefore shall require implementation of the Interfaces MIB
module defined in IETF RFC 2863 and the Ethernet-like Interfaces MIB module defined in
Clause 10."
gives the same information twice.

SuggestedRemedy

Delete one of these sentences.

Response   *Response Status*   **C**

ACCEPT.
See response to comment #4

Cl **09**   *SC* **9.3.1**   *P* **156**   *L* **40**   # 4

Frazier, Howard   Broadcom Corporation

Comment Type   **TR**   *Comment Status*   **A**

Extraneous requirement was already stated in the immediately preceeding sentence.

SuggestedRemedy

Delete the redundant sentence:
"Implementing this module therefore shall require implementation
of the Interfaces MIB module defined in IETF RFC 2863 and the Ethernet-like Interfaces
MIB module defined in Clause 10."

Response   *Response Status*   **C**

ACCEPT.

Cl **09**   *SC* **9.3.3**   *P* **162**   *L* **1**   # 51

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

This subclause uses the name EFM OAM MIB for the MIB defined in clause 6. However,
the title of Clause 6 is the Ethernet OAM MIB module.

SuggestedRemedy

Change both instances of "EFM OAM" (one in the title of 9.3.3) to "Ethernet OAM"

Response   *Response Status*   **C**

ACCEPT.

Cl **09**   *SC* **9.3.3**   *P* **162**   *L* **19**   # 52

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

9.3.3 and 9.3.4 use the name EFM EPON MIB for the MIB defined in clause 9. However,
the title of Clause 9 is the EPON MIB module.

SuggestedRemedy

In 9.3.3 and 9.3.4 change "EFM EPON MIB module" to "EPON MIB module"

Response   *Response Status*   **C**

ACCEPT.

Cl **09**   *SC* **9.6**   *P* **170**   *L* **11**   # 106

Lynskey, Eric   Broadcom

Comment Type   **TR**   *Comment Status*   **A**

There is no 802.3 requirement that the sync time be the same for all LLIDs. In fact, 802.3
allows separate sync times for each LLID. The individual sync time is provided in the
REGISTER message from the OLT to the ONU.

SuggestedRemedy

Change to "This object is applicable for an OLT and with distinct values for all virtual
interfaces, and for an ONU."

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **09**
SC **9.6**

Page 14 of 21
7/20/2010 4:39:38 PM

Cl **09**   *SC* **9.6**   *P* **172**   *L* **1**   # 103
Lynskey, Eric   Broadcom

Comment Type **TR**   *Comment Status* **A**

There is a shall associated with this object and it says that it is applicable for the ONU.
There is no requirement in 802.3 that an ONU maintains a RTT value. The RTT is only
relevant for OLT usage in scheduling.

SuggestedRemedy

Reword to say that the object is applicable only for an OLT.

Response   *Response Status* **C**

ACCEPT.
Delete "and an ONU"

Cl **10**   *SC* **10.1**   *P* **209**   *L* **12**   # 88
Dawe, Piers   IPtronics

Comment Type **ER**   *Comment Status* **A**

What is this paragraph doing here?
"Ethernet technology, as defined by the 802.3 Working Group of the IEEE, continues to
evolve, with scalable increases in speed, new types of cabling and interfaces, and new
features. This evolution may require changes in the managed objects in order to reflect this
new functionality. This document, as with other documents issued by this working group,
reflects a certain stage in the evolution of Ethernet technology. In the future, this document
might be revised, or new documents might be issued, in order to reflect the evolution of
Ethernet technology."

SuggestedRemedy

A discussion of the stability of "this document" should be in Clause 1.
The same goes for the similar paragraph in 13.1.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
Move it to Clause 1, and delete the reference to the Ethernet Interfaces and Hub MIB
working group in Clause 13.1. The text in Clause 10 should be used as the starting point.

Cl **10**   *SC* **10.1**   *P* **219**   *L* **9**   # 97
Dawe, Piers   IPtronics

Comment Type **TR**   *Comment Status* **A**

The draft uses the phrase "Ethernet-like interfaces" a lot but doesn't define it. To me, an
"Ethernet-like interface" must be like an Ethernet interface, but is not ACTUALLY an
Ethernet interface (or maybe not necessarily so), or it would not be called "like". Yet from
reading on in Clause 10 I suspect that genuine 802.3 interfaces are meant (as opposed to
other interfaces described by other organisations).

SuggestedRemedy

Make this very clear. Either say in Clause 1 and/or 10 what you mean, and add to the
definitions, or change to "Ethernet interfaces" or "802.3 interfaces" if that's what you mean.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
Add to Clause 1.
"Ethernet-like interfaces" was historically used because the interfaces defined by the IEEE
802.3 Working Group were not considered "Ethernet" per se, but "Ethernet-like", because
"Ethernet" was taken to mean "Ethernet version 2" according to the (DEC, Intel, Xerox) DIX
"blue book". Today and in the context of SNMP management and SMIv2 MIB modules,
"Ethernet", "Ethernet-like", and "IEEE 802.3" are synonymous and interchangeable in the
marketplace. The term "Ethernet-like" is retained in this document because of its common
usage in the SNMP-based network management community.

Cl **10**   *SC* **10.2**   *P* **209**   *L* **40**   # 6
Frazier, Howard   Broadcom Corporation

Comment Type **E**   *Comment Status* **A**

extraneous period (full stop) after Std.
Also on line 41.
Actually, there are numerous instances in this clause.

SuggestedRemedy

Scrub for "IEEE Std. 802.3" and replace with "IEEE Std 802.3".

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **10**
SC **10.2**

Page 15 of 21
7/20/2010 4:39:38 PM

Cl **10**   *SC* **10.2.2.1**   *P* **210**   *L* **17**   # 93
Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status*   **A**
Draft says "Ordinarily, there are no sublayers for an Ethernet-like interface." If an Ethernet-like interface is like an Ethernet port - oh yes there are - PCS, PMA and so on are ubiquitous.

SuggestedRemedy
Perhaps you mean that ordinarily the MIB modules are not divided by sublayer?

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
Subclause 10.2.2.1 adds little value and can be deleted. 10.2.2.2. should be deleted, since there should be little interest in virtual circuits these days.

Cl **10**   *SC* **10.2.2.10**   *P* **213**   *L* **41**   # 84
Dawe, Piers   IPtronics

Comment Type   **E**   *Comment Status*   **A**
"The following table provides"

SuggestedRemedy
Reference the table properly, by number.

Response   *Response Status*   **C**
ACCEPT.
Replace "The following table provides..." with "Table 10-1 provides..."

Cl **10**   *SC* **10.2.2.8**   *P* **212**   *L* **65**   # 7
Frazier, Howard   Broadcom Corporation

Comment Type   **T**   *Comment Status*   **A**
Decapitalize "should".

SuggestedRemedy
"should" is appropriate in this instance.

Response   *Response Status*   **C**
ACCEPT.

Cl **10**   *SC* **10.3**   *P* **216**   *L* **54**   # 5
Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**
Use of the word "even" in two places in this sentence adds no value.

SuggestedRemedy
Reword the sentence as follows: "It is thus important to control GET and/or NOTIFY access to these objects and possibly to encrypt their values when sending them over the network via SNMP."

Response   *Response Status*   **C**
ACCEPT.

Cl **11**   *SC* **11.1**   *P* **245**   *L* **10**   # 42
Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**
The references to G.991.2 and G.993.1 should be according to IEEE style

SuggestedRemedy
Change "[G.991.2]" to (see ITU-T G.991.2)
Change "[G.993.1]" to (see ITU-T G.993.1)

Response   *Response Status*   **C**
ACCEPT.

Cl **11**   *SC* **11.1**   *P* **245**   *L* **25**   # 94
Dawe, Piers   IPtronics

Comment Type   **T**   *Comment Status*   **A**
Why is this paragraph here:
"Managed objects for the Operations, Administration and Maintenance (OAM) and Ethernet over Passive Optical Networks (EPON) clauses of IEEE Std 802.3 are defined in Clause 6 and Clause 9, respectively of this document."
Is it assumed that somehow the reader knows that EFM Copper ports must or are likely to use Ethernet OAM, and other ports not? If so, where is this stated?
Why would an EFM Copper port have anything to do with the EPON MIB?

SuggestedRemedy
Delete the paragraph.
Add a table in Clause 1 relating MIB modules to their applicability, e.g. by port type and otherwise.

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.
Delete the paragraph.
A table would be welcomed if someone would volunteer to draft it.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **11**
SC **11.1**

Page 16 of 21
7/20/2010 4:39:38 PM

Cl **11**   *SC* **11.2**   *P* **245**   *L* **45**   # 43
Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**
This says "other MIB modules described in the relevant RFCs.", but some of these MIB modules are now clauses of this document.

SuggestedRemedy
Change "other MIB modules described in the relevant RFCs." to "other MIB modules described in other clauses of this standard or the relevant RFCs."

Response   *Response Status* **C**
ACCEPT.

Cl **11**   *SC* **11.2.4**   *P* **251**   *L* **40**   # 44
Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**
space missing in "EtherLike-MIBdefined"

SuggestedRemedy
add space before "defined"

Response   *Response Status* **C**
ACCEPT.

Cl **11**   *SC* **11.4**   *P* **255**   *L* **18**   # 8
Frazier, Howard   Broadcom Corporation

Comment Type **ER**   *Comment Status* **A**
Use of the word "even" in this sentence adds no value.

SuggestedRemedy
Reword the sentence as follows: "It is thus important to control GET and/or NOTIFY access to these objects and possibly to encrypt their values when sending them over the network via SNMP."

Response   *Response Status* **C**
ACCEPT.

Cl **12**   *SC* **12.1.2**   *P* **312**   *L* **4**   # 45
Anslow, Peter   Ciena

Comment Type **E**   *Comment Status* **A**
space missing in "agentimplementing"

SuggestedRemedy
Insert space before "implementing"

Response   *Response Status* **C**
ACCEPT.

Cl **12**   *SC* **12.2**   *P* **318**   *L* **65**   # 9
Frazier, Howard   Broadcom Corporation

Comment Type **ER**   *Comment Status* **A**
Use of the word "even" in two places in this sentence adds no value.

SuggestedRemedy
Reword the sentence as follows: "It is thus important to control GET and/or NOTIFY access to these objects and possibly to encrypt their values when sending them over the network via SNMP."

Response   *Response Status* **C**
ACCEPT.

Cl **13**   *SC* **13.1**   *P* **359**   *L* **9**   # 98
Dawe, Piers   IPtronics

Comment Type **TR**   *Comment Status* **A**
What is this clause for? As we use "MAU type" for all 802.3 port types, does this clause apply to all Ethernet ports? Does 10 apply to some and 13 to others? Or what?

SuggestedRemedy
Please explain.

Response   *Response Status* **W**
ACCEPT IN PRINCIPLE.
Clause 10 applies to the MAC sublayer, and Clause 13 applies to the PHY. Clause 13 applies to all Ethernet ports. Clause 10 applies to all Ethernet DTEs, while Clause 7 applies to repeaters.

The SNMP-based network management community understands the word "interface" to mean the "network interface device or controller (e.g. a NIC) residing below the internet protocol (IP)." It is more than a dividing line between sublayers, or the MDI that appears on the bulkhead of a pice of equipment.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **13**
SC **13.1**   Page 17 of 21
        7/20/2010 4:39:38 PM

Cl **13**   *SC* **13.5**   *P* **356**   *L* **60**   # 10

Frazier, Howard   Broadcom Corporation

Comment Type   **TR**   *Comment Status*   **A**

Integer abuse!
The syntax Integer32 (imported from SMIv2) should be used
instead of INTEGER, but this is tricky. There is a range
on this signed integer.

SuggestedRemedy

Change "INTEGER" to "Integer32 (-127..127).
Also on p 357 l 10
Also on P 357 l 26
Also on P 357 l 42

Must also change the IfMauEntry sequence on p 349. Here,
replace "INTEGER" with "Integer32" in four places, on
lines 55 through 59.

Response   *Response Status*   **C**

ACCEPT.

Cl **13**   *SC* **13.5**   *P* **357**   *L* **2**   # 11

Frazier, Howard   Broadcom Corporation

Comment Type   **ER**   *Comment Status*   **A**

The minus sign in "-12.7 dB" appears to be a non-ASCII character
in the MIB module. Since it is in the description, compilers may
not catch it, but it could cause readability problems.

SuggestedRemedy

Use an ASCII minus sign (or dash?) instead of the
special symbol.

Response   *Response Status*   **C**

ACCEPT.

Cl **13**   *SC* **13.5**   *P* **366**   *L* **21**   # 46

Anslow, Peter   Ciena

Comment Type   **T**   *Comment Status*   **A**

This says "Note that compliance with this compliance statement requires compliance with
the ifCompliance3 MODULE-COMPLIANCE statement of the IF-MIB (RFC 2863) and the
dot3Compliance2 MODULE-COMPLIANCE statement of the EtherLike-MIB (RFC3635)."
but the Ethernet-like MIB is now in Clause 10 of 802.3.1

SuggestedRemedy

Change "and the dot3Compliance2 MODULE-COMPLIANCE statement of the EtherLike-
MIB (RFC3635)." to "and the dot3Compliance2 MODULE-COMPLIANCE statement of the
Ethernet-Like MIB in Clause 10 of IEEE 802.3.1."

Likewise for Page 365 line 49 "(RFC 2108)"

Also consider whether other references to RFCs 2108, 3621, 3635, 3637, 4836, 4837,
4878, 5066 in the draft should remain because they are historical references or should be
changed to point to the relevant clause in 802.3.1

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.
…in Clause 10.

Cl **7**   *SC* **7.1.3.1**   *P* **84**   *L* **19**   # 34

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status*   **A**

"the 'system' group defined in MIB-II IETF RFC 1213." would read better as "the 'system'
group defined in IETF RFC 1213 (MIB-II)."

SuggestedRemedy

change "in MIB-II IETF RFC 1213." to "in IETF RFC 1213 (MIB-II)."

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **7**
SC **7.1.3.1**

Page 18 of 21
7/20/2010 4:39:38 PM

Cl **9** *SC* **9.6** *P* **168** *L* **14** # 107

Lynskey, Eric   Broadcom

Comment Type **T** *Comment Status* **A**

If we choose to update this in the future for 10GEPON, it will be easier to not explicitly specify the broadcast LLID, since it uses a different LLID.

SuggestedRemedy

Replace instances of "broadcast LLID (with a value of 0xffff)" with "broadcast LLID."

Response   *Response Status* **C**

ACCEPT.
Delete '(with a value of 0xffff)' in ten places in
subclause 9.6:
p 168 l 14
p 172 l 41
p 178 l 41
p 179 l 47
p 184 l 15
p 188 l 2
p 190 l 2
p 193 l 30
p 198 l 4
p 200 l 6
And insert "see IEEE Std 802.3 65.1.3.1" after "reserved LLID" on page 148, line 9 of 9.1.2.5

Cl **9** *SC* **9.6** *P* **170** *L* **8** # 104

Lynskey, Eric   Broadcom

Comment Type **T** *Comment Status* **A**

There is a shall statement associated with this object. The equation used to determine sync time is incorrect. The dot3MpcpSyncTime object has units of TQ (16 ns), but the equation does not take into account any rounding that may occur. It is not clear if the remainder of (sync lock time ns) / 16 should be rounded up or down.

SuggestedRemedy

For all equations of this nature, make it clear that the value should be rounded up to the nearest TQ. In fact, this object isn't really applicable for the ONU. The ONU is told the sync time of the OLT already in units of TQ. It does not know the actual sync lock time of the OLT.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
"The value returned shall be (sync lock time ns)/16, rounded up to the nearest TQ."
See response to comment #106

Cl **99** *SC* **99** *P* **2** *L* # 100

Dawe, Piers   IPtronics

Comment Type **TR** *Comment Status* **R**

Abstract says "This standard contains the Management Information Base (MIB) module specifications for IEEE Std 802.3, also known as Ethernet." That means all of 802.3, including all recent amendments (the entry in 2. Normative references is undated). Also it says "...as well as extensions resulting from recent amendments to IEEE Std 802.3." Yet response to e.g. D2.0 comments 190 and 297 say e.g. "updates resulting from 802.3at, 802.3av, 802.3az, 802.3ba will be considered in a future amendment to 802.3.1".

SuggestedRemedy

Delete "as well as extensions resulting from recent amendments to IEEE Std 802.3." Insert "This standard addresses the published 802.3-2008 [and 802.3xx if any amendments since 802.3-2008 are indeed included]. It does not address 802.3at, 802.3av, 802.3az, or 802.3ba."

Response   *Response Status* **W**

REJECT.
The abstract is intended to be timeless, and not require updating every time the standard is amended.

Cl **99** *SC* **99** *P* **3** *L* # 81

Dawe, Piers   IPtronics

Comment Type **E** *Comment Status* **A**

There should be an introduction, presumably between the headings "Introduction" and "Notice to users", "giving the history of the standard, a description of its purpose, and, if the standard is a revision, an explanation of the principal changes from the previous edition. The introduction should also explain the document structure for multipart standards, or for documents within a family of standards (see 9.3 of the 2007 IEEE Style Manual for more details)." as it said in D2.1.

SuggestedRemedy

Please insert the introduction.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.
Will be provided in a future draft.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **99**
SC **99**

Page 19 of 21
7/20/2010 4:39:38 PM

Cl **A**	*SC* **A**	*P* **370**	*L* **20**	# 53

Anslow, Peter   Ciena

Comment Type   **E**   *Comment Status* **A**

   IETF RFC 3410 appears in both the normative references and the bibliography

SuggestedRemedy

   Remove [B22] RFC 3410 from the bibliography

Response   *Response Status* **C**

   ACCEPT.

Cl **C**	*SC* **C.2**	*P* **470**	*L* **36**	# 54

Anslow, Peter   Ciena

Comment Type   **T**   *Comment Status* **A**

   This now says "Four-pair Category 3 as specified in Clause 23" which is somewhat cryptic.

SuggestedRemedy

   Change all 10 instances in this subclause of "Category x" to "Category x cable"

Response   *Response Status* **C**

   ACCEPT IN PRINCIPLE.
   TypeValue::= ENUMERATED {
   global (0), --undefined
   other (1), --undefined
   unknown (2), --initializing, true state not yet known
   AUI (7), --no internal MAU, view from AUI
   2BASE-TL (63), --see IEEE Std 802.3 Clauses 61 and 62
   10BASE5 (8), --see IEEE Std 802.3 Clause 8
   FOIRL (9), --see IEEE Std 802.3 9.9
   10BASE2 (10), --see IEEE Std 802.3 Clause 10
   10BROAD36 (11), --see IEEE Std 802.3 Clause 11
   10BASE-T (14), --see IEEE Std 802.3 Clause 14, duplex mode unknown
   10BASE-THD (141), --see IEEE Std 802.3 Clause 14, half duplex mode
   10BASE-TFD (142), --see IEEE Std 802.3 Clause 14, full duplex mode
   10PASS-TS (62), --see IEEE Std 802.3 Clause 61 and 62
   10BASE-FP (16), --see IEEE Std 802.3 Clause 16
   10BASE-FB (17), --see IEEE Std 802.3 Clause 17
   10BASE-FL (18), --see IEEE Std 802.3 Clause 18, duplex mode unknown
   10BASE-FLHD (181), --see IEEE Std 802.3 Clause 18, half duplex mode
   10BASE-FLFD (182), --see IEEE Std 802.3 Clause 18, full duplex mode
   100BASE-T4 (23), --see IEEE Std 802.3 Clause 23
   100BASE-TX (25), --see IEEE Std 802.3 Clause 25, duplex mode unknown
   100BASE-TXHD (251), --see IEEE Std 802.3 Clause 25, half duplex mode
   100BASE-TXFD (252), --see IEEE Std 802.3 Clause 25, full duplex mode
   100BASE-BX10D (581), --see IEEE Std 802.3 Clause 58, OLT
   100BASE-BX10U (582), --see IEEE Std 802.3 Clause 58, ONU
   100BASE-FX (26), --see IEEE Std 802.3 Clause 26, duplex mode unknown
   100BASE-FXHD (261), --see IEEE Std 802.3 Clause 26, half duplex mode
   100BASE-FXFD (262), --see IEEE Std 802.3 Clause 26, full duplex mode
   100BASE-LX10 (58), --see IEEE Std 802.3 Clause 58
   100BASE-T2 (32), --see IEEE Std 802.3 Clause 32, duplex mode unknown
   100BASE-T2HD (321), --see IEEE Std 802.3 Clause 32, half duplex mode
   100BASE-T2FD (322), --see IEEE Std 802.3 Clause 32, full duplex mode
   1000BASE-X (36), --see IEEE Std 802.3 Clause 36, duplex mode unknown
   1000BASE-BX10D (591), --see IEEE Std 802.3 Clause 59, OLT
   1000BASE-BX10U (592), --see IEEE Std 802.3 Clause 59, ONU
   1000BASE-XHD (361), --see IEEE Std 802.3 Clause 36, half duplex mode
   1000BASE-XFD (362), --see IEEE Std 802.3 Clause 36, full duplex mode
   1000BASE-LX (381), --see IEEE Std 802.3 Clause 38, duplex mode unknown

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **C**   Page 20 of 21
SC **C.2**   7/20/2010 4:39:38 PM

1000BASE-LXHD (382), --see IEEE Std 802.3 Clause 38, half duplex mode
1000BASE-LXFD (383), --see IEEE Std 802.3 Clause 38, full duplex mode
1000BASE-LX10 (59), --see IEEE Std 802.3 Clause 59
1000BASE-PX10D (601), --see IEEE Std 802.3 Clause 60, OLT
1000BASE-PX10U (602), --see IEEE Std 802.3 Clause 60, ONU
1000BASE-PX20D (603), --see IEEE Std 802.3 Clause 60, OLT
1000BASE-PX20U (604), --see IEEE Std 802.3 Clause 60, ONU
1000BASE-SX (384), --see IEEE Std 802.3 Clause 38, duplex mode unknown
1000BASE-SXHD (385), --see IEEE Std 802.3 Clause 38, half duplex mode
1000BASE-SXFD (386), --see IEEE Std 802.3 Clause 38, full duplex mode
1000BASE-CX (39), --see IEEE Std 802.3 Clause 39, duplex mode unknown
1000BASE-CXHD (391), --see IEEE Std 802.3 Clause 39, half duplex mode
1000BASE-CXFD (392), --see IEEE Std 802.3 Clause 39, full duplex mode
1000BASE-KX (393), --see IEEE Std 802.3 Clause 70
1000BASE-T (40), --see IEEE Std 802.3 Clause 40, duplex mode unknown
1000BASE-THD (401), --see IEEE Std 802.3 Clause 40, half duplex mode
1000BASE-TFD (402), --see IEEE Std 802.3 Clause 40, full duplex mode
10GBASE-X (48), --see IEEE Std 802.3 Clause 48

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open   W/written   C/closed   U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **C**
SC **C.2**

Page 21 of 21
7/20/2010 4:39:38 PM