

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

Cl 00 SC 0 P0 L0 # 81

Hajduczenia, Marek Charter Communication

Comment Type ER Comment Status A

Multiple locations in the draft MIBs
There are several locations where incorrect quotation marks are using, causing compliance issues

SuggestedRemedy

- Replace all "" symbols with "" symbol

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 00 SC 0 P0 L0 # 78

Hajduczenia, Marek Charter Communication

Comment Type ER Comment Status A

Multiple locations in the draft MIBs
"LAST-UPDATED "202307310000Z" – July 31, 2023" statement uses incorrect separator, i.e., a single "-", whereby "--" should be used
The same applies to "REVISION "202307310000Z" – July 31, 2023" statement
This issue was introduced by copying text from pdf / Access directly

SuggestedRemedy

Change "-" symbol with "--" symbols (make sure the proper symbol is being replaced)

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 00 SC 0 P0 L0 # 80

Hajduczenia, Marek Charter Communication

Comment Type ER Comment Status A

Multiple locations in the draft MIBs
There are several locations where comment markup was transferred, using the [MHxxx] markup.

SuggestedRemedy

Remove all [MHxxx] comment markup from the draft MIBs, as well as any comment text that follows

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 00 SC 0 P0 L0 # 82

Hajduczenia, Marek Charter Communication

Comment Type ER Comment Status A

There are a few locations in draft MIBs where double quotation marks happens, i.e., "" is used at the start of description

SuggestedRemedy

Replace all "" with a single " mark

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

CI 00 SC 0 P0 L0 # 86
 Jones, Peter Cisco
 Comment Type TR Comment Status A
 minor changes comparing my "compiling" files vs Marek's. Diffs attached
 SuggestedRemedy
 Please make the changes shown in the mib-diffs_renamed_compiles.txt file
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 OBE with comment #88
 Apply changes to "aLldpXdot3LocPowerClassExt", "IldpV2Xdot3RemPowerDownRequest" attributes.
 Replace "and and" with "and"
 Replace """" to "" (double quotation with a single quotation mark)

CI 00 SC 0 P0 L0 # 87
 Jones, Peter Cisco
 Comment Type TR Comment Status A
 We have smilint errors on the "clean" MIB text.
 I have not yet resolved these.
 SuggestedRemedy
 Review the warnings on the attached mib_changes_check.txt file and decide what to do.
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 OBE with comment #88

CI 00 SC 0 P0 L0 # 79
 Hajduczenia, Marek Charter Communication
 Comment Type ER Comment Status A
 Multiple locations in the draft MIBs
 In Figure/Table references in multiple locations, there is "-" used instead of "-" and causes compliance issues
 SuggestedRemedy
 Globally replace "-" with "-" in all MIB files
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 OBE with comment #88

CI 00 SC 0 P0 L0 # 88
 Jones, Peter Cisco
 Comment Type TR Comment Status A
 Please use the smidump utility to produce a common structure/format for the MIBs.
 I have drafted a procedure document that I intend to review with the group in Denver, including looking at the before and after MIB Text
 SuggestedRemedy
 Use proposed tools to programatically format the MIB files for consistency
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 See comment #83 for the new subclause on SMIv2 syntax validation and formatting
 Reformat MIB and tree text files similar to 802.3.2b to align the formats of the documents.
 Prepare a test difference document of the text in the MIB text files (MIB and tree files) and distribute with each revision. This will increase the draft distribution to the following:
 Draft PDF
 Compare PDF (frame output)
 MIB/tree source files
 MIB/tree text compare files
 See formatting in Clause 5 PDF
 This issue also resolves comments: 69, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 86, 87

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

Cl 1 SC 1.6 P18 L22 # 83

Hajduczenia, Marek Charter Communication

Comment Type ER Comment Status A

IEEE Std 802.3.2 contains a very important statement on the YANG module syntax validation. Similar statement is missing in IEEE Std 802.3.1

SuggestedRemedy

Add a new subclause 1.6 as follows

1.6 SMIv2 syntax validation

All SMIv2 modules included in this standard are SMIv2 (see IETF RFC 2578) compliant and pass automated checks using tools available at the time of publication, including the open source and/or free versions of SMIv2 validation 'smilint' (see <https://linux.die.net/man/1/smilint>), as well as other SMIv2 validation tools listed at <https://wiki.ietf.org/group/ops/mib-review-tools>. When using 'smilint' tool, 'smilint: level 8' and 'smilint: hide namelength-32' configuration options were used.

Response Response Status C

ACCEPT IN PRINCIPLE.

Add a new subclause 1.6 as follows

1.6 SMIv2 syntax validation and formatting

All SMIv2 modules included in this standard are SMIv2 (see IETF RFC 2578) compliant and pass automated checks using tools available at the time of publication, including the open source and/or free versions of SMIv2 validation 'smilint' (see <https://linux.die.net/man/1/smilint>), as well as other SMIv2 validation tools listed at <https://wiki.ietf.org/group/ops/mib-review-tools>. When using 'smilint' tool, 'smilint: level 6' and 'smilint: hide namelength-32' configuration options were used. The 'smidump' utility was used to produce a common structure/format for SMIv2 modules included in this standard.

Cl 5 SC 5.2 P25 L40 # 89

Ran, Adeo Cisco

Comment Type T Comment Status A

"Version 1 of the IEEE 802.3 LLDP extension MIB module is deprecated"
It is not clear what "Version 1" refers to. The content of this clause does not have a version number.

SuggestedRemedy

Provide a detailed reference to the deprecated content, or clarify in some other way.

Response Response Status C

ACCEPT IN PRINCIPLE.

Change "Version 1 of the IEEE 802.3 LLDP extension MIB module is deprecated." to "Version 1 of the IEEE 802.3 LLDP extension MIB module is deprecated. LLDP-V2-MIB and LLDP-V2-TC-MIB are used instead."

Cl 5 SC 5.3 P28 L10 # 90

Ran, Adeo Cisco

Comment Type E Comment Status A

"Setting the object, lldpXdot3PortConfigTLVsTxEnable, to incorrect values"
The parenthetical commas seem unnecessary.

SuggestedRemedy

Change to "Setting the object lldpXdot3PortConfigTLVsTxEnable to incorrect values".

Response Response Status C

ACCEPT.

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

Cl 5 SC 5.3 P28 L14 # 91

Ran, Adeo Cisco

Comment Type E Comment Status A

"may be considered to be sensitive or vulnerable in some network environments" is awkward language.

Also, "may" has a special meaning in standard language, and is arguably not the right word here; anything _may_ be considered vulnerable somewhere. The sentence seems to suggest that these objects _are_ considered sensitive in some environments.

Several similar statements appear in multiple places in the document (I counted 10 instances of "may be considered sensitive").

SuggestedRemedy

Change to "are considered sensitive or vulnerable in some network environments".

Change other instances similarly.

Response Response Status C

ACCEPT IN PRINCIPLE.

Change to "can be considered sensitive or vulnerable in some network environments".

Change other instances similarly.

Cl 5 SC 5.4 P40 L26 # 74

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

Validation error for entries: 4PdualsigPD, 4PsingleSigPD, 2P - unexpected NUMBER, expecting LOWERCASE_IDENTIFIER

SuggestedRemedy

Replace globally as follows:

- 4PdualsigPD > fourPairDualSigPD
- 4PsingleSigPD > fourPairSingleSigPD
- 2P > twoPair
- 2PdualsigPD > twoPairDualSigPD

For consistency
singleSigPD > singleSigPD (change in Sig capitalization)

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 5 SC 5.4 P44 L2 # 76

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

use Integer32 instead of INTEGER in SMIv2

SuggestedRemedy

Change "SYNTAX INTEGER" to "SYNTAX Integer32" in lldpV2Xdot3LocPowerDownRequest

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 5 SC 5.4 P44 L3 # 75

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

access `write-only` is no longer allowed in SMIv2 in multiple locations in the MIB definition. SMIv2 changed the MAX-ACCESS write-only to read-write.

SuggestedRemedy

Change all instances (6 in total) of "MAX-ACCESS write-only" to "MAX-ACCESS read-write"

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Cl 5 SC 5.4 P56 L13 # 77

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

type of `lldpV2Xdot3RemPowerPairs` in sequence and object type definition do not match: Unsigned32 vs BITS

SuggestedRemedy

Change type in lldpV2Xdot3RemPowerEntry definition to BITS

Response Response Status C

ACCEPT IN PRINCIPLE.

OBE with comment #88

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

Cl 5 SC 5.4 P56 L14 # 67
 Hajduczenia, Marek Charter Communication
 Comment Type **TR** Comment Status **A**
 type of `lldpV2Xdot3RemPowerClass' in sequence and object type definition do not match:
 Unsigned32 vs INTEGER
 SuggestedRemedy
 Change type in LldpV2Xdot3RemPowerEntry definition to INTEGER
 Response Response Status **C**
 ACCEPT.

Cl 5 SC 5.4 P56 L15 # 68
 Hajduczenia, Marek Charter Communication
 Comment Type **TR** Comment Status **A**
 type of `lldpV2Xdot3RemPowerType' in sequence and object type definition do not match:
 INTEGER vs BITS
 SuggestedRemedy
 Change type in LldpV2Xdot3RemPowerEntry definition to BITS
 Response Response Status **C**
 ACCEPT.

Cl 5 SC 5.4 P56 L20 # 71
 Hajduczenia, Marek Charter Communication
 Comment Type **TR** Comment Status **A**
 lldpV2Xdot3RemPSEAllocatedPowerValue is repeated twice in the list in lines 20 and 23.
 SuggestedRemedy
 Remove the lldpV2Xdot3RemPSEAllocatedPowerValue entry in line 20, it is not needed -
 looks like a copy paste
 Response Response Status **C**
 ACCEPT IN PRINCIPLE.
 OBE with comment #88

Cl 5 SC 5.4 P56 L41 # 69
 Hajduczenia, Marek Charter Communication
 Comment Type **TR** Comment Status **A**
 type of `lldpV2Xdot3RemPowerDownRequest' in sequence and object type definition do not
 match: TruthValue vs INTEGER
 SuggestedRemedy
 Change type in LldpV2Xdot3RemPowerEntry definition to INTEGER
 Response Response Status **C**
 ACCEPT IN PRINCIPLE.

OBE with comment #88
 Cl 5 SC 5.4 P56 L42 # 70
 Hajduczenia, Marek Charter Communication
 Comment Type **TR** Comment Status **A**
 type of `lldpV2Xdot3RemPowerDownTime' in sequence and object type definition do not
 match: TruthValue vs Integer32
 SuggestedRemedy
 Change type in LldpV2Xdot3RemPowerEntry definition to Integer32
 Response Response Status **C**
 ACCEPT.

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

CI 5 SC 5.4 P75 L12 # 84

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

There are objects that were added to IldpV2Xdot3LocPowerEntry but not added to the IldpV2Xdot3LocSysGroup, affecting the compliance for the MIB module

SuggestedRemedy

Add the following objects into IldpV2Xdot3LocSysGroup definition (order is not important here)

- IldpV2Xdot3LocPDRRequestedPowerValueA
- IldpV2Xdot3LocPDRRequestedPowerValueB
- IldpV2Xdot3LocPSEAllocatedPowerValueA
- IldpV2Xdot3LocPSEAllocatedPowerValueB
- IldpV2Xdot3LocPSEPoweringStatus
- IldpV2Xdot3LocPDPoweredStatus
- IldpV2Xdot3LocPowerPairsExt
- IldpV2Xdot3LocPowerClassExtA
- IldpV2Xdot3LocPowerClassExtB
- IldpV2Xdot3LocPowerClassExt
- IldpV2Xdot3LocPowerTypeExt
- IldpV2Xdot3LocPDLoad
- IldpV2Xdot3LocPD4PID
- IldpV2Xdot3LocPSEMaxAvailPower
- IldpV2Xdot3LocPSEAutoclassSupport
- IldpV2Xdot3LocPSEAutoclassCompleted
- IldpV2Xdot3LocPSEAutoclassRequest
- IldpV2Xdot3LocPowerDownRequest
- IldpV2Xdot3LocPowerDownTime
- IldpV2Xdot3LocMeasVoltageSupport
- IldpV2Xdot3LocMeasCurrentSupport
- IldpV2Xdot3LocMeasPowerSupport
- IldpV2Xdot3LocMeasEnergySupport
- IldpV2Xdot3LocMeasurementSource
- IldpV2Xdot3LocMeasVoltageRequest
- IldpV2Xdot3LocMeasCurrentRequest
- IldpV2Xdot3LocMeasPowerRequest
- IldpV2Xdot3LocMeasEnergyRequest
- IldpV2Xdot3LocMeasVoltageValid
- IldpV2Xdot3LocMeasCurrentValid
- IldpV2Xdot3LocMeasPowerValid
- IldpV2Xdot3LocMeasEnergyValid
- IldpV2Xdot3LocMeasVoltageUncertainty
- IldpV2Xdot3LocMeasCurrentUncertainty
- IldpV2Xdot3LocMeasPowerUncertainty
- IldpV2Xdot3LocMeasEnergyUncertainty
- IldpV2Xdot3LocVoltageMeasurement
- IldpV2Xdot3LocCurrentMeasurement

- IldpV2Xdot3LocPowerMeasurement
- IldpV2Xdot3LocEnergyMeasurement
- IldpV2Xdot3LocPSEPowerPriceIndex
- IldpV2Xdot3LocTxFw
- IldpV2Xdot3LocTxFwEcho
- IldpV2Xdot3LocRxFw
- IldpV2Xdot3LocRxFwEcho
- IldpV2Xdot3LocPreemptSupported
- IldpV2Xdot3LocPreemptEnabled
- IldpV2Xdot3LocPreemptActive
- IldpV2Xdot3LocAddFragSize

Response Response Status C

ACCEPT.

CI 5 SC 5.4 P75 L34 # 72

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

IldpV2Xdot3LocReducedOperationPowerValue' is included in IldpV2Xdot3LocSysGroup, but not defined anywhere

SuggestedRemedy

Remove from the list of objects

Response Response Status C

ACCEPT.

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

CI 5 SC 5.4 P75 L52 # 85

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

There are objects that were added to IldpV2Xdot3RemPowerEntry but not added to the IldpV2Xdot3RemSysGroup, affecting the compliance for the MIB module

SuggestedRemedy

Add the following objects into IldpV2Xdot3RemSysGroup definition (order is not important here)

- IldpV2Xdot3RemPDRRequestedPowerValueA
- IldpV2Xdot3RemPDRRequestedPowerValueB
- IldpV2Xdot3RemPSEAllocatedPowerValueA
- IldpV2Xdot3RemPSEAllocatedPowerValueB
- IldpV2Xdot3RemPSEPoweringStatus
- IldpV2Xdot3RemPDPoweredStatus
- IldpV2Xdot3RemPowerPairsExt
- IldpV2Xdot3RemPowerClassExtA
- IldpV2Xdot3RemPowerClassExtB
- IldpV2Xdot3RemPowerClassExt
- IldpV2Xdot3RemPowerTypeExt
- IldpV2Xdot3RemPDLoad
- IldpV2Xdot3RemPD4PID
- IldpV2Xdot3RemPSEMaxAvailPower
- IldpV2Xdot3RemPSEAutoclassSupport
- IldpV2Xdot3RemPSEAutoclassCompleted
- IldpV2Xdot3RemPSEAutoclassRequest
- IldpV2Xdot3RemPowerDownRequest
- IldpV2Xdot3RemPowerDownTime
- IldpV2Xdot3RemMeasVoltageSupport
- IldpV2Xdot3RemMeasCurrentSupport
- IldpV2Xdot3RemMeasPowerSupport
- IldpV2Xdot3RemMeasEnergySupport
- IldpV2Xdot3RemMeasurementSource
- IldpV2Xdot3RemMeasVoltageRequest
- IldpV2Xdot3RemMeasCurrentRequest
- IldpV2Xdot3RemMeasPowerRequest
- IldpV2Xdot3RemMeasEnergyRequest
- IldpV2Xdot3RemMeasVoltageValid
- IldpV2Xdot3RemMeasCurrentValid
- IldpV2Xdot3RemMeasPowerValid
- IldpV2Xdot3RemMeasEnergyValid
- IldpV2Xdot3RemMeasVoltageUncertainty
- IldpV2Xdot3RemMeasCurrentUncertainty
- IldpV2Xdot3RemMeasPowerUncertainty
- IldpV2Xdot3RemMeasEnergyUncertainty
- IldpV2Xdot3RemVoltageMeasurement
- IldpV2Xdot3RemCurrentMeasurement

- IldpV2Xdot3RemPowerMeasurement
- IldpV2Xdot3RemEnergyMeasurement
- IldpV2Xdot3RemPSEPowerPriceIndex
- IldpV2Xdot3RemTxFw
- IldpV2Xdot3RemTxFwEcho
- IldpV2Xdot3RemRxFw
- IldpV2Xdot3RemRxFwEcho
- IldpV2Xdot3RemPreemptSupported
- IldpV2Xdot3RemPreemptEnabled
- IldpV2Xdot3RemPreemptActive
- IldpV2Xdot3RemAddFragSize

Response Response Status C

ACCEPT.

CI 6 SC 6 P77 L7 # 92

Ran, Adeo Cisco

Comment Type T Comment Status R

Clause 6 relates to OAM as if it is a specific feature of EFM. The text in 6.1 refers to EGM, and 6.2 refers to Clause 57.

Since the previous revision, other flavors of Ethernet that include OAM have been added. In 802.3-2022, OAM is mentioned in clauses 97, 115, and 149. It appears as if these clauses are also relevant here.

If clause 6 is specific to the OAM in clause 57 of 802.3 and not to other usages of this term, then some clarification that other instances are not addressed by this clause is required.

If all flavors of OAM are relevant then the other ones should be listed too.

SuggestedRemedy

Per comment.

Response Response Status C

REJECT.

No specific changes were proposed.

Approved Responses

IEEE P802.3.1b D1.1 MIB Rev Task Force 1st Working Group recirculation ballot comments

Cl 8 SC 8.5 P167 L38 # 73

Hajduczenia, Marek Charter Communication

Comment Type TR Comment Status A

`pethPsePortShortCounter' is not a child node under `pethPsePortEntry' - it is listed but not defined as a node under PethPsePortEntry

SuggestedRemedy

Remove it from pethPsePortGroup and pethPsePortEntry; I am unable to find any reference to a compatible counter in IEEE Std 802.3-2022, 30.9.1.xxx
Alternatively, to maintain the element indexes, create a stub definition and mark it as deprecated;
I prefer the alternative approach

Response Response Status C

ACCEPT IN PRINCIPLE.

Maintain the element indexes, create a stub definition and mark it as deprecated.

Cl 9 SC 9.1 P177 L7 # 93

Ran, Adeo Cisco

Comment Type T Comment Status R

"1G-EPON and 10G-EPON (collectively referred to as EPON)"

There is also Nx25G-EPON in Clause 141. If it is relevant, it should be added to the list (and corresponding changes should be made to the clause text). Otherwise, it should be explicitly excluded.

SuggestedRemedy

Per comment.

Response Response Status C

REJECT.

Since Nx25G-EPON is not referenced, it is not covered. We do not want to list what is NOT included (the list would be very long for each module) and rather just list what is included, as covered by Clause 9.