

#20130628_1555 Clause: 6.5.2.1.1 Page: 51 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

IETF RFC 4443 is not included in the list of normative references.
Add "IETF RFC 4443 (March 2006), <i>Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification</i>, A. Conta, S. Deering, M. Gupta" into Clause 2 in the correct location (after IETF RFC 4115)
Change per comment. Also add reference to IETF RFC 792 (use title and authors from <https://tools.ietf.org/html/rfc792>).

#20130628_1602 Clause: 7.3.2.2 Page: 111 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

In Table 7-30, the content of field Description contains reference to "mode with stripping I-Tag", whereas the Modifier action clearly shows "[mi]: REMOVE (B_TAG)". The text should speak therefore of "stripping B-Tag" instead
Change "I-Tag" to "B-Tag" in the selected text
-

#20130628_1607 Clause: 7.3.2.2 Page: 111 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

In Table 7-30, the text "implements the PBB encapsulation " references PBB, which is never defined.
[1] Add definition of PBB into 3.2 as follows: PBB: Provider Backbone Bridging
[2] Modify the selected text in Table 7-30 to read "implements the Provider Backbone Bridging (PBB) encapsulation "
-

#20130628_1610 Clause: 7.3.2.3 Page: 111 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

In Table 7-30, the text "If provisioned, this set of rules implements the PBB encapsulation mode with stripping B-Tag and I-Tag ." makes reference to "I-Tag" which is not defined anywhere. It should be "I-Header"
Change the selected text to read "If provisioned, this set of rules implements the PBB encapsulation mode with stripping B-Tag and I-Header."
Changes per comment.
Also, page 104, line 1, change "I-Tag" to "I-Header"

#20130628_1630 Clause: 8.5.1 Page: 166 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

"The ONU does not process the collected data in any way. The ONU does not keep performance monitoring data for any earlier performance monitoring period but the last one (within the history bin). All data processing on the collected performance monitoring data is performed at the OLT or Element Management System." - we use NMS (in the meaning of Network Management System) elsewhere in the standard.
Change "Element Management System" to "NMS" for consistency
-

#20130628_1633 Clause: 8.5.1 Page: 166 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Rejected Category: -

"The ONU does not process the collected data in any way. The ONU does not keep performance monitoring data for any earlier performance monitoring period but the last one (within the history bin). All data processing on the collected performance monitoring data is performed at the OLT or Element Management System." - we use NMS (in the meaning of Network Management System) elsewhere in the standard.
Change "Element Management System" to "NMS" for consistency
Duplicate of MR #20130628_1630.

#20130628_2328 Clause: 14.4.3.9.1 Page: 642 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

IEEE Std 1588v2 is missing in normative references right now. It needs to be fixed.
Insert the following reference into Clause 2: "IEEE Std 1588(tm)-2008, Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems (also known as IEEE Std 1588v2)"
See MR #20130828_2024 for resolution

#20130811_1623 Clause: 4A.2.3 Page: 661 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

AU-RF4 is really the OLT requirement and not the ONU requirement. The original text in 8.4.1.2 reads: "The OLT shall not provision a queue threshold size that is less than the maximum frame size. "
Remove AU-RF4 but keep AU-RF5 as it is (do not renumber) Insert AT-RF3 with the description copied from AU-RF4
Remove AU-RF4 but keep AU-RF5 as it is (do not renumber). Insert AT-RF3 to section 4A.3.3 REPORT MPCP format with the description copied from AU-RF4

#20130822_1851 Clause: 2 Page: 6 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

MEF 6 and MEF 6.1 are not mentioned in the body of the standard anywhere apart from entries in Clause 2. As such, they do not need to be listed at all.
Remove entries for MEF 6 and MEF 6.1, and move footnote 7 reference to MEF 10.2 (the line following MEF 6.1 entry)
Remove entries for MEF 6 and MEF 6.1, and move footnote 8 reference to MEF 10.2 (the line following MEF 6.1 entry)

#20130822_1900 Clause: 14.2.2.11 Page: 459 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Rejected Category: -

Attribute aOnuCapabilitiesPwrSav contains sub-attribute sVenSpecFieldSize, defining the size of the sVenSpecField. The value of sVenSpecFieldSize can be derived from the Length field value. The sVenSpecFieldSize sub-attribute is therefore unnecessary.

Implement the following changes:
[1] Remove "sVenSpecFieldSize, " from the list of sub-attributes in paragraph 1 [2] Remove definition of aOnuCapabilitiesPwrSav.sVenSpecFieldSize sub-attribute [3] remove VenSpecFieldSize field in Table 14-19 [4] modify definition of Length field value to read as follows: The size of TLV fields following the Length field, calculated as follows: 3 + N, where N = length of <c>VenSpecField</c> field

<c></c> designates test in Courier New font

Impact = A change in OAM is needed. This would likely involve a new OAM version (see Table 13-15 - new OAM version 0x11) for Package C.

The Task Force believes that the ONU needs to have information to generate response to the OLT query. No changes to the standard are needed.

#20130822_1903 Clause: 13.3.3.6.4 Page: 405 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

"Additionally, the ResponseCode field is used to indicate whether ..." - text contains reference to ResponseCode field, which does not exist in Table 13-64. ResponseCode ought to be ErrorStatus.

Change ResponseCode to <c>ErrorStatus</c>
Text in <c></c> needs to be written in Courier New font.

Impact = None, this is document management change

Apply suggested change to 13.3.3.6.4 and 13.3.3.6.8.

#20130827_1921 Clause: 14.4.3.7.5 Page: 637 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

The definition of sub-attribute aQueueColorMarking.sFieldCode points to Table 14-220 for individual values. However, just pointing to Table 14-220 here is not sufficient, because that table provides numerical equivalents for various options, but does not explain what each value means or what exact field it represents.

NOTE: Page reference is valid for D3.4

We have two options available.

Option 1: in the aQueueColorMarking.sFieldCode definition, we need to have here a complete text as in Sub-attribute aRuleSetConfig.sClause.sFieldCode (14.4.3.6.1.1).

Option 2: Just reference the sub-attribute aRuleSetConfig.sClause.sFieldCode (14.4.3.6.1.1).

My personal preference is for Option 2.

Thus the sentence

"Individual values for the FieldCode field are defined in Table 14-220."

should be replaced with

"Individual values for the sFieldCode sub-attribute are as defined for sub-attribute aRuleSetConfig.sClause.sFieldCode (14.4.3.6.1.1)."

Make sure the cross reference is live and proper text style is used.

Impact = None, it is only clarification for textual description.

In Table 14-220, add a note at the end of FieldCode, Notes column: "For definitions of individual fields, see Table 6-1."

Add field code for "LINK_INDEX" to Table 6-1 as defined below:
LINK_INDEX | 8 | Index of a LLID within the given ONU

#20130827_1932 Clause: 14.4.3.3.42 Page: 603 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

The object context for aCounterRxFramesL2CP attribute is wrong. It is ONU, whereas it ought to be PON / UNI Port

NOTE: Page reference is valid for D3.4

Change

"The aCounterRxFramesL2CP attribute is associated with the ONU object ... "

to

"The aCounterRxFramesL2CP attribute is associated with the UNI Port or PON Port object ... "

Impact = The existing object context definition is just wrong. A new firmware version will have to be created and pushed to devices.

-

#20130828_2024 Clause: 14.4.3.9.1 Page: 642 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

Currently, in several locations in the draft we have reference to "IEEE Std 1588v2", which is not in the list of normative references included in Clause 2. I assume that we actually mean "IEEE Std 1588-2008", which is the updated version of the original 1588 standard

NOTE: Page and line reference valid for D3.4

1) Add a normative reference to Clause for IEEE Std 1588-2008, with the following text:
"IEEE Std 1588(tm)-2008, IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
2) Add a definition in 3.3 for “IEEE 1588v2” with the following text: "IEEE 1588v2: represents a shortcut notation for IEEE Std 1588(tm)-2008"
3) Replace all 6 instances of "IEEE Std 1588v2" with "IEEE 1588v2"

Impact = None, it is only clarification for existing normative reference

"IEEE Std 1588(tm)-2008, IEEE Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
2) Add a definition in 3.3 for “IEEE 1588v2” with the following text: "IEEE 1588v2: represents a shortcut notation for IEEE Std 1588(tm)-2008"
3) Replace "IEEE Std 1588" in 9A with "IEEE 1588v2"

#20130924_0355 Clause: 14.4.3.2.2 Page: 572 Line: - Commenter: Edwin Mallette / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

There are a number of issues with this attribute.

1) The context of the object is ambiguous. Attribute name aUniDynMacAgeLimit indicates UNI context. The description of this attribute indicates it should be ONU context. DPoEv2.0 OAM specification indicates the ONU context is correct.

2) Description is incorrect for this object. Description indicates that the attribute represents the "maximum size of the MAC address learning table.."

3) The name of the attribute should also be changed in Table 14-150.

1) Change the name of the attribute to aOnuDynMacAgeLimit

2) Change description to "This attribute represents the age limit of the dynamic MAC addresses learned by the ONU."

3) Change the name of this attribute in Table 14-150 to match the name in (1) - aOnuDynMacAgeLimit.

Impact : Removing ambiguity (of whether this attribute is ONU context or UNI context) would actually reduce the risk of interoperability issues for this attribute in future implementations. If interoperability issues are brought to light by this change, the interoperability issues already existed.

Change globally aUniDynMacAgeLimit to aOnuDynMacAgeLimit. Change the description for this attribute to read: "This attribute represents the age limit of the dynamic MAC addresses learned by the ONU. The value of 0x00-00 disables the MAC address aging, i.e., the MAC addresses do not age out."

Also change aUniDynMacTableSize to aOnuDynMacTableSize (global change).

Change "This attribute represents the maximum size of the ONU MAC address learning table for the ONU as a whole." to "This attribute represents the maximum size of the MAC address learning table for the ONU as a whole."

#20131001_1523 Clause: 14.4.3.2.2 Page: 572 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

The attribute OnuDynMacAgeLimit when set to 0x00-00 is expected to disable the MAC address learning function in the ONU. it is not described in text right now.

Change the value of the field in Table 14-150 from "Value of aUniDynMacAgeLimit attribute" to "Value of aUniDynMacAgeLimit attribute:<cr>
0x00-00: MAC learning function is disabled
0x00-01 - 0xFF-FF: MAC learning function is enabled; the value expresses the MAC aging limit"

Impact = It is expected that backward compatibility with devices not implementing this specific meaning of this attribute might be affected. However, it is not clear how a device would implement really aging time of 0x00-00 and what it would mean. I expect that all devices in field today implement this specific meaning of OnuDynMacAgeLimit attribute anyway

See MR #20130924_0355 for changes.

#20131009-0519 Clause: 12.2.1.2.2.4 Page: 299 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

"The function should return the value representing the highest (newest) OAM version." contains unintentional optional requirement ("should") which does not make much sense in the context.
It is also not reflected in the PICS today.
Also, it is prescribed that the newest / highest OAM version is selected, whereas it can be OLT manufacturer implementation decision what version is going to be used, once common versions have been found between ONU and OLT. The selections should be vendor specific and outside the scope of the specification.

Remove the indicated text altogether - the previous statement, i.e., "This function selects and returns a single version of extended OAM from the list versionList." is more than sufficient to define the function in question.

Impact: Unclear at this time whether the optional requirement was intentional or not. In the worst case scenario, a new software load for OLT would be needed

-

#20131028_1808 Clause: 7.2.2.3.2 Page: 100 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Footnote after Table 7-26 refers to parameter CVID. This parameter is not used in this table.

Delete table footnote 'b'.

Impact = None

-

#20131029_1956 Clause: 14.4.3.2.14 Page: 581 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Revised / Ready for Ballot Category: -

Attribute aOnuFwFileName (0xD7/0x01-0E) is located in the wrong section. It is located in the "bridging" subclause, while it should be located in the "ONU management" subclause.

Move 14.4.3.2.14 Attribute aOnuFwFileName (0xD7/0x01-0E) to 14.4.3.1.17

Impact = None

Move 14.4.3.2.14 Attribute aOnuFwFileName (0xD7/0x01-0E) to 14.4.3.1.17 . Update Table 14-132 accordingly. Update all cross-references as needed.

#20131105_2020 Clause: 14.4.3.2.11 Page: 578 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Revised / Ready for Ballot Category: -

In 1904.1, the attribute aUniFloodUnknown is associated with a UNI port. But the same attribute in DPoE 2.0 is associated with an ONU, i.e., it enables/disables flooding on all UNI ports at once.

Controlling flooding per UNI is more flexible, so perhaps this is the method we should adopt in both standards. Otherwise, use ONU object in SIEPON.

Impact = potential impact on ONU OAM parser

Change page 578: "The aUniFloodUnknown attribute is associated with the UNI Port object (see 14.4.1.1)." in 14.4.3.2.11, to "The aUniFloodUnknown attribute is associated with the ONU object (see 14.4.1.1)."

#20131107_1410 Clause: 12.3.3.1.4 Page: 344 Line: 1 Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

In the following sentence, the word "potential" is inappropriate. The message is sent only if actual errors were detected.

"In the case of any errors detected during the process of committing the newly downloaded software image, the ONU sends the eOAM_Software_FileTransferAck eOAMPDU with BlockNumber = 0x00-00 and ResponseCode field that holds any of the values specified in Table 13-101, indicating a potential problem with the software image committing step."

Remove the word "potential"

Impact = None

-

#20131107_1416 Clause: 12.3.3.2.1 Page: 344 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Typo in the definition of "retryLimit" variable. In the following sentence, the "retryCountMax" should be replaced with "retryLimit":

"Once the retryCountMax transmission attempts fail, the given device reacts per Figure 12-21 for the ONU and Figure 12-22 for the OLT."

replace "retryCountMax" with "retryLimit"

Impact = None

-

#20131107_1440 Clause: 12.3.3.2.2 Page: 345 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

"This bit array carries the software image fragment (block) carried in the eOAM_Software_FileTransferData eOAMPDU."

"carries" and "carried" in the same sentence. Generally message carries information, but bit array (as any data types) just contains it.

Replace the sentence to read "This bit array contains the software image fragment (block) carried in the eOAM_Software_FileTransferData eOAMPDU."

Impact = None

-

#20131107_1442 Clause: 12.3.3.2.4 Page: 347 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

"This function extracts the software image block number block# from the software image pointed to by image and returns in the form of a bit array saved into the blockData variable."

Missing "it" after "returns".

Insert "it" after "returns".

Impact = None

-

#20131107_1448 Clause: 12.3.3.2.6 Page: 353 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Two typos in figure 12-22:
"eOAM_FTA_Error" in state TRANSFER_ERROR should be "eOAMI_FTA_Error"
"eOAM_FTA_Error" in state COMMIT_ERROR should be "eOAMI_FTA_ErrorCommit"

In state TRANSFER_ERROR, replace "eOAM_FTA_Error" with "eOAMI_FTA_Error"
In state COMMIT_ERROR, replace "eOAM_FTA_Error" with "eOAMI_FTA_ErrorCommit"

Impact = None

-

#20131107_1456

Clause: 13.4.2.10.4

Page: 436

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

Wrong description of the BlockNumber field in Table 13-100.

"This field reflects the sequential number of the current ONU software image fragment carried in this eOAMPDU."

The eOAM_Software_FileTransferAck eOAMPDU does not carry any software image fragments.

Replace the sentence

"This field reflects the sequential number of the current ONU software image fragment carried in this eOAMPDU."

with the sentence

""This field carries the sequential number of the software image fragment (block) that the ONU expects to receive next."

Impact = None

-

#20131108_2017

Clause: 7.4.2.1

Page: 118

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

"The OLT handles the IGMP/MLD of the network, and the ONU filters the multicast data stream as instructed by the OLT through eOAM."

The sentence is confusing.

Rephrase as follows:

"The OLT handles all IGMP/MLD requests form the multicast clients on the given EPON, and the ONU filters the multicast data stream as instructed by the OLT through eOAM."

Impact = None

-

#20131108_2025

Clause: 11.3.4.1.2

Page: 289

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

In table 11-2, the following sentence is poorly worded and is confusing.

"This rule is added to all rules that direct to iU referring to LLIDU."

It is incorrect to say that a rule is added to another rule.

Rephrase as follows:

"This rule is added to precede all rules that direct data traffic to iU associated with the unauthenticated LLIDU."

Impact = None

-

#20131108_2037

Clause: 14.2.2.22

Page: 473

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

The following sentence is confusing.

"The OLT shall place the length of the IPv6 prefix in the lower octet of the sRuleFieldValue sub-attribute and the value of the prefix starting from the higher octet of the sRuleFieldValue sub-attribute."

Rephrase as follows:

"The OLT shall place the length of the IPv6 prefix in the lowest octet of the sRuleFieldValue sub-attribute and it shall place the value of the prefix in the higher octets of the sRuleFieldValue sub-attribute, starting from the highest octet."

Impact = None

-

#20131108_2040

Clause: 14.2.5.1

Page: 510

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

The following sentence is confusing.

"The ONU may not respond to the eOAM_Set_Request eOAMPDU carrying this TLV with the eOAM_Set_Response eOAMPDU with the appropriate return code."

"may not" can be interpreted as "not allowed". Also not clear: no response from the ONU or a response, but with an incorrect code?

Rephrase as follows:

"The ONU may reboot without generating the eOAM_Set_Response eOAMPDU in response to the eOAM_Set_Request eOAMPDU carrying the ONU Reboot TLV."

Impact = None

-

#20131111_0631 Clause: 12.2.2.2 Page: 306 Line: 14 Commenter: Motoyuki Takizawa / Fujitsu Telecom Networks
Comment Status: Revised / Ready for Ballot Category: -

A field name in the OAMPDU should be a single word by using "_" (underscore) to avoid confusion to readers.
See also the comment #22206 for IEEE P1904.1/Conformance resolved in the IEEE P1904.1 Working Group.

Change "Vendor Specific Information" and "Vendor Specific Info" to "Vendor_Specific_Information" in 12.2.2.2, Figure 12-7 and Table 12-2.
Impact = None

Change "Vendor Specific Information" and "Vendor Specific Info" to "Vendor_Specific_Information" in 12.2.2.2, Figure 12-7 and Table 12-2, and associated PICS (pages 717, 732)

#20140103_1828 Clause: 12.3.1.6.5 Page: 325 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

The value of EventID for eOAMR_ActivationFailure and eOAMR_ActivationSuccess is not correct.
eOAMR_ActivationFailure uses now EventID of 0x00-0E and eOAMR_ActivationSuccess - 0x00-0F. However, the normative Table 9-2 assigns EventID of 0x00-0E to ActivationSuccessEvent and 0x00-0F to ActivationFailureEvent.

Change the value of EventID in definition of eOAMR_ActivationFailure from 0x00-0E to 0x00-0F.
Change the value of EventID in definition of eOAMR_ActivationSuccess from 0x00-0F to 0x00-0E.

Impact = None

-

#20140212_1524 Clause: 13.4.4 Page: Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: Postponed

AI from comment #23185 called for an MR on Package A OAM definitions, adding text around the requirement to respond within 1 second, as discussed at December 2013 meeting.

See siepon_1402_hajduczenia_1a for details of changes - two new subclauses are added: one in Clause 13, and one in Clause 14.

Impact = None, it is just formal description of already existing behaviour.

Remove ", with the exception of the ONU's failure to respond to a The OLT shall not deregister the ONU generating the ONU Busy alarm with the exception of the critical TLVs, as defined 14.4.7" from the file.

Remove 14.4.7 Critical TLVs from the file.

#20140807_2103 Clause: 13.2.3.5 Page: 400 Line: 2 Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

eOAM_Set_Response eOAMPDU is used by ONU to respond to the eOAM_Set_Request eOAMPDU and contains a series of Variable Containers and Object_ID TLVs.

Change eOAM_Get_Request eOAMPDU in this line to eOAM_Set_Request eOAMPDU.

Impact = None

Change "The eOAM_Set_Response eOAMPDU permits the ONU to respond to the eOAM_Get_Request eOAMPDU" to "The eOAM_Set_Response eOAMPDU permits the ONU to respond to the eOAM_Set_Request eOAMPDU"

#20140807_2104 Clause: 14.2.2.29 Page: 518 Line: 18 Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

When the OLT uses the Fast-Leave Admin Control TLV (0xC9/0x00-48) to configure the ONU IGMP/MLD agent, 'enable' is expressed by 0x00-00-00-02. While in this TLV, the status 'enable' is expressed by 0x00-00-00-00. We should keep the value consistent.

In Table 14-45, change enable: 0x00-00-00-00 to enable: 0x00-00-00-02

Impact = None

-

#20140807_2105 Clause: 14.2.5.3 Page: 545 Line: 17 Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

This TLV is used by OLT to configures the fast-leave state function of the ONU, i.e., enable or disable the fast leave function. And it does not relate to the multicast mode. Furthermore, this is an action which means the attribute is write-only, so it can not represent the current state of the multicast mode.

Delete the paragraph: 'The state of the fast-leave mode carried in this TLV represents the current state of enabled multicast mode of the ONU, e.g., IGMP-controlled multicast without authorization control mode or IGMP-controlled multicast with authorization control mode.'

Impact = None

-

#20140807_2106 Clause: 12.3.1.6.2 Page: 353 Line: 2 Commenter: Lu Yang / RITT, CATR
Comment Status: Revised / Ready for Ballot Category: -

The message used by OLT instructing the ONU verify the downloaded software image is eOAM_Software_EndDownloadRequest eOAMPDU.

Change eOAM_Software_EndTransferRequest eOAMPDU to eOAM_Software_EndDownloadRequest eOAMPDU.

Impact = None

Change "eOAM_Software_EndTransferRequest" to "eOAM_Software_EndDownloadRequest" - three instances.

#20140807_2106a Clause: 12.3.1.6.2 Page: 350 Line: 23 Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

The message used by OLT instructing the ONU verify the downloaded software image is eOAM_Software_EndDownloadRequest eOAMPDU.

Change eOAM_Software_EndTransferRequest eOAMPDU to eOAM_Software_EndDownloadRequest eOAMPDU.

Impact = None

See MR #20140807_2016

#20140807_2107 Clause: 12.3.1.6.2 Page: 351 Line: 8 Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

The message used by OLT instructing the ONU verify the downloaded software image is eOAM_Software_EndDownloadRequest eOAMPDU

Change eOAM_Software_EndTransferRequest eOAMPDU to eOAM_Software_EndDownloadRequest eOAMPDU.

Impact = None

See MR #20140807_2016

#20140915_1355 Clause: 13.4.1.3.1 Page: 422 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

DPoE-SP-OAMv2 was updated recently to I06, with many changes that need to be captured in SIEPON, Package A.

See 13.4.1.3.1.docx with tracked changes.

Impact: New capabilities are added. Existing devices *may* not be able to support all added features.

Use rmtf_1410_hajduczenia_1a for changes.

#20140915_1412 Clause: 13.4.1.3.2 Page: 423 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

In Table 13-84, the size of ObjectInstance is given as "2", but there are objects with size of "1" (ONU, PON port, LLID, UNI port), "2" (Multicast Logical Link, added in DPoE-SP-OAMv2-I06) or even "4" (Queue) as defined in 14.4.1.1.2.

See 13.4.1.3.2.docx with tracked changes.

Impact: New capabilities are added. Existing devices *may* not be able to support all added features.

Use rmtf_1410_hajduczenia_2.pdf

#20140915_1447 Clause: 13.4.2 Page: 427 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: Postponed

DPoE-SP-OAMv2-I06 introduces a number of changes to the individual eOAMPDUs: (a) eOAM_MC_Control is modified to control dynamic multicast session on per CPE basis, (b) eOAM_MC_ControlResponse becomes has changes in allocation of response codes, (c) eOAM_MC_Control for static multicast sessions, and (d) eOAM_MC_ControlResponse for static multicast control are added

See 13.4.2.docx with tracked changes.

Impact: New capabilities are added. Existing devices *may* not be able to support all added features.

See MR #20151022-1318

#20140915_1502 Clause: 14.4.1.1 Page: 552 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

DPoE-SP-OAMv2-I06 introduces a number of changes Object Context TLV:

a) multicast LLID context object is added, with opcode 0x00-06

b) MEP context object is reserved (opcode 0x00-05)

c) LLID context object is redefined for unicast LLID only (opcode 0x00-02)

See 14.4.1.1.docx with tracked changes

Impact: New capabilities are added. Existing devices *may* not be able to support all added features.

Use rmtf_1410_hajduczenia_4a.pdf

#20140915_1736 Clause: 14.4.3, 14.4.4, 14.4.5, and 14.4.6 Page: 557 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Revised / Ready for Ballot Category: -

DPoE-SP-OAMv1 I06 adds a number of changes to existing TLV attributes (mainly, changes in size of attributes) and adds a number of new TLVs, associated with ONU identification (Vendor Name, Model Number, Hardware Version, and EPON mode), as well as three TLVs for UNI management (EEE status, POE status, and media type for media-selectable UNIs).

See TLV.docx for list of tracked changes.

Impact: New capabilities are added. Existing devices *may* not be able to support all added features.

Use rmtf_1410_hajduczenia_5a.pdf

Add Acronym in 3.2: NVS = Non-Volatile Storage

#20141014_1050 Clause: 9.2.4 Page: 187 Line: - Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot Category: -

PON_IF_Switch event definition points to 9.2.4.8 (see Table 9-2) but the link is dead (it is text, no hyperlink). Furthermore, 9.2.4.8 defines ONUTempHighAlarm and ONUTempLowAlarm, which in table 9-2 are marked as pointing to 9.2.4.9.

It seems that:

1) link for ONUTempHighAlarm and ONUTempLowAlarm should be fixed to point to correct number (9.2.4.8)

2) link for PON_IF_Switch event should be fixed and point to 9.2.4.9 - make sure that it is live.

Per comment

Impact: None - incorrect cross-references

-

#20150119_2025	Clause: 12.2.1.2.2.5	Page: 297	Line: -	Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot		Category: -		
All eOAMI_... primitives in this clause expect Revision value in Extended Information TLV to be 0x01 (according to 13.2.2.3.1), but all eOAMR_... primitives generate Revision = 0x10				
Change Revision value from 0x10 to 0x01 in the definitions of eOAMR_Discovery(versionList) eOAMR_DiscoveryAck(eOAMver) eOAMR_RevisionNack				
Impact = May affect existing implementations.				
-				
#20150227-1111	Clause: 6.5.3	Page: 29	Line: -	Commenter: Lu Yang / RITT, CATR
Comment Status: Out of Scope		Category: -		
Insert result can not carry values. After insert a new field, a SET result is required to set the value of the new field. And the length of field code should be 1.				
change Table 35 as proposed in rmtf_1502_lu_1.pdf				
Impact: none				
The MR applies to Conformance01, not to the base 1904.1 standard. An identical MR is already submitted against Conformance01.				
#20150228-0117	Clause: 14.4.3.6.1.3	Page: 622	Line: -	Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot		Category: -		
Size of Field code is 1 octet.				
In Table 14-223, change the Size of FieldCode from 2 to 1.				
Impact: none				
-				
#20150228-0118	Clause: 14.4.3.6.1.3	Page: 622	Line: -	Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot		Category: -		
Size of Field code is 1 octet.				
In Table 14-224, change the Size of FieldCode from 2 to 1.				
Impact: none				
-				
#20150228-0118a	Clause: 14.4.3.6.1.3	Page: 623	Line: -	Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot		Category: -		
Size of Field code is 1 octet.				
In Table 14-225, change the Size of FieldCode from 2 to 1.				
Impact: none				
-				
#20150316-1746	Clause: 2	Page: 4	Line: -	Commenter: Marek Hajduczenia / Bright House Networks
Comment Status: Accepted / Ready for Ballot		Category: -		
IEEE Std 802.1Q(tm)-2011 has bee updated to 2014 version, incorporating a bunch of other versions and revisions.				
Change "IEEE Std 802.1Qâ„-2011" in Clause 2 to "IEEE Std 802.1Qâ„-2014".				
In following tables: 7-6, 7-10, 7-11, 7-13, reference to "IEEE Std 802.1Q, 3.132" needs to be changed to "IEEE Std 802.1Q, 3.93"				
In following tables: 7-10, 7-13 reference to "IEEE Std 802.1Q, 3.203" needs to be changed to "IEEE Std 802.1Q, 3.199"				
All other references to 802.1Q in the body of the standard are correct as they are today.				
Impact: None - it is just editorial update to the latest version of the standard				
-				
#20150804-1945	Clause: 7.3.1.3	Page: 104	Line: -	Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot		Category: -		
"The Replace Tag operation may replace the entire selected tag or only one subfield of B-Tag, I-Tag, or I-Header fields. The operation shall be capable of altering the following subfields: B-DA, B-SA, B_TAG, B-TPID, B-PCP, B-DEI, B-VID, I_TAG, I-TPID, I-PCP, I-DEI, I-UCA, I-RES, I-SID, and I_HEADER."				
The above text mixes field names (like B-SA, I-TPID) with field codes that are to be used only in the code examples (B_TAG, I_HEADER).				
Delete words "B_TAG", "I_TAG", and "I_HEADER" from the second sentence. These are not subfields and the preceding sentence already states that these fields can be replaced.				
Impact: None. This change does not alter the Replace Tag operation. It just makes the description consistent with the conventions used in the standard.				
Delete words "B_TAG", "I_TAG", and "I_HEADER" from the second sentence.				
#20150804-1950	Clause: 6.5.2.1.1	Page: 50	Line: -	Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot		Category: -		
Wrong name is used for a subfield of B-TAG field.				
Replace B_CFI with B_DEI				
Impact: None. This is the only instance of B_CFI in the document.				
-				

#20150804-1955 Clause: 6.5.2.1.1 Page: 50 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Wrong name is used for a subfield of I-TAG field. Not all subfields of I-TAG are shown.
Replace sentence "Backbone Service Instance Tag (I-component), comprising I_TPID, I_PCP, I_CFI, and I_VID fields, per IEEE Std 802.1Q, 9.7"
with the following sentence "Backbone Service Instance Tag (I-component), comprising I_TPID, I_PCP, I_DEI, I_UCA, I_RES, and I_SID fields, per IEEE Std 802.1Q, 9.7"
Impact: None. Fields I_CFI and I_VID do not exist. This change uses the correct names of the subfields and adds missing subfields.
-

#20150806-0858 Clause: 14.2.2.6 Page: 453 Line: - Commenter: Lu Yang / RITT, CATR
Comment Status: Accepted / Ready for Ballot Category: -

The range of sub-attribute aOnuConfigTimeDrift.sHoldOverPeriod is defined as 0-65536, which means holdover timer is set to 65s. This will never happen in EPON sysgtem.
Change the Range of sHoldOverPeriod to:0x00-32 (50) to 0x03-E8 (1000)
Impact: No impact on existing networks.
-

#20150824-1723 Clause: 14.4.5.6.5 Page: 658 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Units for the action acLaserTxPowerOff (0xD9/0x06-05) should be milliseconds, not seconds. In DPoE 1.0, the units were ms, but inadvertently changed to seconds in DPoE2.0. There has been an ECR submitted against DPoE2.0 to change the units back to ms. SIEPON Package A should align to the new unit value as well.
Using units of milliseconds is a more reasonable approach. It will allow operators to implement automatic troubleshooting methods, where a laser in each ONU can be shut down for a few milliseconds without affecting services. For a manual operation, laser still can be shut down until explicitly enabled.
Change unit of acLaserTxPowerOff (0xD9/0x06-05) action from 1 second to 1 millisecond.
Impact: Changes the expected behavior of acLaserTxPowerOff action, but shall not result in network operation issues.
-

#20150826-1636 Clause: 14.4.3.2.13 Page: 579 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Wrong context object for attribute aOnuLlidQueueConfig (0xD7/0x01-0D).
The context object should be ONU, not the UNI.
DPoE2.0 also shows the ONU object.
In the sentence "The aOnuLlidQueueConfig attribute is associated with the UNI Port object (see 14.4.1.1)." replace "UNI port" with "ONU"
Impact: Probably none. All implementations most likely use the correct context. Using context "UNI" does not make sense.
-

#20150901-1713 Clause: 14.4.3.6.1.3 Page: 619 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Wrong context objects for aRuleSetConfig attribute.
The aRuleSetConfig attribute is associated with the ONU, PON Port, LLID, UNI Port, or Queue object (see 14.4.1.1).
Per DPoE, it should be only UNI port or PON port.
Replace "The aRuleSetConfig attribute is associated with the ONU, PON Port, LLID, UNI Port, or Queue object (see 14.4.1.1)."
With "The aRuleSetConfig attribute is associated with the PON Port or UNI Port object (see 14.4.1.1)."
Impact: ONUs compliant with this MR may reject non-complaint OLT's attempt to set a rule with a wrong context object. Unknown if any deployments use ONU, LLID, or Queue objects for this attribute.
-

#20150922-1343 Clause: 14.2.2.1 Page: 446 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Editorial issue:
-Five attributes show "Syntax: MAC Address". -Five other attributes show "Syntax: MAC address" (lower case "a" in address)
-Two attributes show "Syntax: IP Address". -Three other attributes show "Syntax: IP address" (lower case "a" in address)
-Six attributes show "Syntax: VLAN Tag". -Three other attributes show "Syntax: VLAN tag" (lower case "t" in tag)
-Three attributes show "Syntax: Vendor-specific". -One attributes shows "Syntax: Vendor specific" (missing hyphen)
Use consistent text:
1) use lower case "address" in all attributes 2) Use lower case "tag" in all attributes 3) use hyphen in "Vendor-specific"
Impact: None
-

#20150923-1338 Clause: 13.4.1.2.2 Page: 421 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Package A TLV definition incorrectly references TLV return codes from Package C.
In text "The eOAMPDU return codes are defined in 13.2.4", change the reference to 13.4.3
Impact: Potential compatibility issues if any of the existing implementations used the wrong return codes.
-

#20151001-1220 Clause: 14.4.3.6.1 Page: 613 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Erroneous definitions of Range for sub-attributes sClause and sResult. Each of these sub-attributes represent a structure consisting of multiple sub-attributes. However, the range is shown as 0x00-0xFF, which is a mistake.
Remove text "Range: 0x00 to 0xFF" from definitions of sub-attributes sClause and sResult. Impact: None. This is clearly a mistake in the specification and it was not possible to implement this mistake in actual devices.
-

#20151005-1648 Clause: 4B Page: 705 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Inconsistent titles for annexes 4A, 4b, and 4C:
Annex 4A (normative) Protocol implementation conformance statement (PICS) for Package A
Annex 4B (normative) PICS for Package B
Annex 4C (normative) PICS for Package C
Make all titles look like title 4A Impact: none
-

#20151013-1521 Clause: 7.4.2.1 Page: 118 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Revised / Ready for Ballot Category: -

Wrong message names listed in the IGMP operation: "REPORT MPCPDU" refers to IGMP Membership Report messages.
Replace "REPORT MPCPDU" (2 occurrences) with "REPORT message" Impact: None
Replace "REPORT MPCPDU" (2 occurrences) with "IGMP Membership REPORT message" Put the "IGMP Membership REPORT" in italics.

#20151013-1530 Clause: 7.4.2.1 Page: 118 Line: - Commenter: Glen Kramer / Broadcom
Comment Status: Accepted / Ready for Ballot Category: -

Throughout the document, message names, such as GATE, REPORT, REGISTER, etc., are italicized. However, IGMP messages JOIN, QUERY, and LEAVE are not italicized.
Italicize IGMP message names "JOIN" (19 places), "QUERY" (1), and "LEAVE" (7) (except when used in diagrams)
Impact: None
-

#20151015-2254

Clause: 14.4.1.1.2.4

Page: 554

Line: -

Commenter: Lu Yang / RITT, CATR

Comment Status: Rejected

Category: -

In Object Context TLV, when the ObjectType is UNI Port, ObjectInstance field can take value N to indicate all the UNI ports. In IEEE Std 1904.1/Conformance01-2014, TLV_Context(UNI, N) is used in many places.

change the text in 14.4.1.1.2.4 as proposed in rmtf_1510_lu_1.pdf.
Impact: No

The WG believes that the problem is in IEEE Std 1904.1/Conformance01-2014, TLV_Context(UNI, N) function definition, and not in the base standard. UNI ports are numbered 0 through N-1, as currently specified.
No changes to the standard needed.

#20151022-1318

Clause: 7.4.5

Page: 138

Line: -

Commenter: Glen Kramer / Broadcom

Comment Status: Accepted / Ready for Ballot

Category: -

There are several problems with Package A multicast (see rmtf_1510_knittle_1.pdf):
1) Different mcast groups may need to be identified by different fields. But the aRuleIpmcFwrConfig (0xD7/0x05-05) attribute has one value for the entire ONU.
2) The aRuleIpmcFwrConfig (0xD7/0x05-05) attribute refers to fields IP-DA and IP-SA. No such fields are defined anywhere. The fields should be IPv4_DA, IPv6_DA, IPv4_SA, and IPv6_SA. It is unclear whether the ONU should create rules to match IPv4, IPv6, or both.
3) Missing configuration messages for non-IP multicast
4) Different UNIs have different numbers and sizes of egress queues, but the eOAM_MC_Control eOAMPDU does not specify which queue should be used at each UNI.
5) eOAM_MC_Control eOAMPDU is different from its counterpart in DPoE
6) Unclear ONU behavior If Multicast Registration message is received, but IP Multicast Config message is not: should frames with given mLLID be dropped or processed using unicast rules?

Also, multicast specifications in DPoE 2.0 and in SIEPON-A have diverged.
This MR attempts to fix the technical issues and restore the alignment between DPoE 2.0 and in SIEPON-A.

The outline of the proposed solution is shown in rmtf_1510_kramer_multicast_outline_1.pdf

The detailed proposed changes are shown in these files:

1) Operation description in Clause 7.4.5: rmtf_1510_kramer_multicast_operation_1.pdf

2) Classifier support for "LLID value" - rmtf_1510_kramer_multicast_llid_value_1.pdf

3) New attributes and actions: rmtf_1510_kramer_multicast_new_attr_1.pdf

Impact: None. Existing multicast specification is unimplementable and multicast based on mLLID has not been deployed yet.

PICS for new requirements will be submitted seperately.