#276456 Type: T   TF: TF2   Clause: 8A.5   Page: Line: - Commenter: Noll, Kevin / Vecima

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

Should include an example that reduces MAC address use.
Add text in file tf2_annex_8A.5.3_noll.pdf to clause 8A.5
Per proposed annex, with the followng changes: - "given in 8A.5.2 can be used as they are written" to "given in 8A.5.2 are used as written" Note that the figure is missing a caption.

#277704 Type: G   TF: TF2   Clause: 1   Page: 15   Line: - Commenter: Perry, Lisa /

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

Per 12.2.2 of the IEEE Standards Style Manual, all documents shall include an Overview as Clause 1, which at a minimum would include Scope and Word usage. Insert the Word usage subclause.
1.x Word usage The word shall indicates mandatory requirements strictly to be followed in order to conform to the standard and from which no deviation is permitted (shall equals is required to).^1, ^2 The word should indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others; or that a certain course of action is preferred but not necessarily required (should equals is recommended that). The word may is used to indicate a course of action permissible within the limits of the standard (may equals is permitted to).   The word can is used for statements of possibility and capability, whether material, physical, or causal (can equals is able to). ^1 The use of the word must is deprecated and cannot be used when stating mandatory requirements; must is used only to describe unavoidable situations. ^2 The use of will is deprecated and cannot be used when stating` mandatory requirements; will is only used in statements of fact.
Insert the missing subclause as 1.4

#277137 Type: T   TF: TF2   Clause: 3.5.2   Page: 22   Line: 22 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

completed as indicated with the information necessary to identify fully both the supplier and the implementation. The conjunctive term "both" is used in numerous instances with the conjunction "and" in the same sentence. Verbose and ambiguous Note: and = both
Review the instances of the term "both" and remove when used in the same sentence as the conjunctive term "and" to help ensure a succinct document.
Correlative conjunctions (like "both ..and" or either…or") are valid and useful grammatical constructs, Correlative conjunctions are stronger than coordinating conjunctions in emphasizing the relationship between the parts/ideas being joined. They are used extensively in IEEE standards (more than 500 occurrences in 802.3 standard) and they are even used in IEEE-provided front matter and in IEEE style manual. The BRC believes the existing instances of correlative conjunctions are well justified and no changes to the draft are necessary.

#277387 Type: T   TF: TF2   Clause: 4.1   Page: 25   Line: 4 Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

I would recommend adding a reference to the IEEE http://standards-oui.ieee.org source for this assignment. Also, on reading http://standards-oui.ieee.org/ethertype/eth.txt, "UMT protocol" is still mentioned for the PROTOCOL description.
Consider adding the reference. Also see if the PROTOCOL description on-record text can be updated to a more current description.
Add a footnote to 0xA8-C8 with the following text: "The current list of Ethertype assignments is available at http://standards-oui.ieee.org/ethertype/eth.txt."

#277131 Type: T   TF: TF2   Clause: 5.2.2   Page: 34   Line: 4 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

IEEE Std 802.3, 57.4). The frame structure of a VLCPDU with OAM subtype shall be as depicted in Figure 5-2.   Appears ambiguous.
IEEE Std 802.3, 57.4). The frame structure of a VLCPDU with OAM subtype shall be structured as described by Figure 5-2.
"The frame structure shall be structured..." would be a poor stylistic choice. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277132 Type: T   TF: TF2   Clause: 5.2.3   Page: 34   Line: 18 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

The frame structure of a VLCPDU with OMCI subtype shall be as depicted in Figure 5-3.   Is ambiguous
The frame structure of a VLCPDU with OMCI subtype shall constructed as described by Figure 5-3.
The frame structure is a description or a characteristic of a frame. A frame can be constructed, but a frame structure can only be described or shown. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277133 Type: T   TF: TF2   Clause: 5.2.4   Page: 35   Line: 12 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

The frame structure of a VLCPDU with L2 subtype shall be as depicted in Figure 5-4.
The frame structure of a VLCPDU with L2 subtype 12 shall be constructed as described by Figure 5-4.
The frame structure is a description or a characteristic of a frame. A frame can be constructed, but a frame structure can only be described or shown. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277134 Type: T   TF: TF2   Clause: 5.2.5   Page: 36   Line: 16 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

The frame structure of a VLCPDU with EPD subtype shall be as depicted in Figure 5-5. Appears ambiguous
The frame structure of a VLCPDU with EPD subtype shall be constructed as described by Figure 5-5.
The frame structure is a description or a characteristic of a frame. A frame can be constructed, but a frame structure can only be described or shown. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277135 Type: T   TF: TF2   Clause: 5.2.6   Page: 37   Line: 13 Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

The format and frame structure of the Organization-Specific VLCPDU with SUBTYPE_OUI24 shall be as depicted in Figure 5-6(a) and the format and frame structure of the VLCPDU with SUBTYPE_OUI36 shall be as depicted in Figure 5-6(b).
The format and frame structure of the Organization-Specific VLCPDU with SUBTYPE_OUI24 shall be constructed as described by Figure 5-6(a) and the format and frame structure of the VLCPDU with SUBTYPE_OUI36 shall constructed as described by Figure 5-6(b).
Both frame format and frame structure are characteristics of a frame. A frame can be constructed, but a frame format and frame structure can only be described or shown. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277383 Type: T   TF: TF2   Clause: 5.3   Page: 39   Line: 11   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

VLAN Tagging (tags) for Ethernet Frames is standardized in IEEE 802.1Q. This draft neither references this standard nor states that the use of "VLAN tags" and the 32-bit size of each is purely by coincidence.

Consider changing line 12 "one or two VLAN tags" -> "one or two VLAN tags as defined in IEEE 802.1Q-2018" or equivalent footnote, etc.

Change page 39, line 12 text "one or two VLAN tags" -> "one or two VLAN tags, as defined in IEEE Std 802.1Q" Add reference to IEEE Std 802.1Q in Clause 2.

#277384 Type: T   TF: TF2   Clause: 6.2.1.2   Page: 44   Line: 0   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

In Table 6-3, for the REPLACE action, the target_field and field_value may be of different sizes. This was covered ok for the COPY action.

Add "The result is also undefined if the target_field and field_value are not of the same size." after the end of sentence ending in "present in the frame".

This is a good observation. However, the format of CTE Rule TLV ensures that the sizes of field_value and the target_field are the same. Apply the following modifications: 1) Add the following text to REPLACE operation in Table 6-3:"The CTE Rule TLV (see 8.1.3) ensures that the width of the<se> field_value</se> matches the width of the<se> target_field</cn> field. 2) Add the following footnote to table 8-4 (attached to "V"):b) The length *V* of<se> Value</se> field shall be as shown in Table 6-2 for the field identified by the<se> FieldId</se> value. Add PICS. 3) increment existing footnotes b and c

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#277385 Type: T   TF: TF2   Clause: 6.2.3   Page: 46   Line: 4   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

Similary to prior comment on VLAN tages, Multiple VLAN 4 Registration Protocol (MVRP) needs a reference also.

Add "as defined in IEEE 802.1Q-2018" or equivalent footnote, etc. appropriately.

Change page 46, line 5 text "Registration Protocol (MVRP)" -> "Registration Protocol (MVRP), as defined in IEEE Std 802.1Q" Add reference to IEEE Std 802.1Q in Clause 2.

#277386 Type: E   TF: TF2   Clause: 6.3.1   Page: 46   Line: 29   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

"4.3.1.4.2" needs to be a proper cross-reference

Make it so.

-

#277388 Type: E   TF: TF2   Clause: -   Page: 50   Line: -   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

This is odd on search. If I use normal Acrobat find for "RxOutputPdu.ReplaceField", it highlights "OAMPDURxOutputPdu.ReplaceField" (part of title and first action line in CONVERT_INTO_OAMPDU, and separately, the second occurrence. If I search for "RxOutputPdu.ReplaceField" using Advanced Search (whole word, case sensitive), only the second occurence is listed.

No change requested specifically. However, I wonder if there is a formatting issue?

This is an artifact of Adobe Acrobat way of embedding of vector graphics image. No change needed

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#277389 Type: E   TF: TF2   Clause: 6.4.3   Page: 52   Line: 2   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

All "6.3.3" on this page are not proper cross-references.

Make them so.

-

#277390 Type: T   TF: TF2   Clause: 7.2.2   Page: 56   Line: 0   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: -

Figure 7-1 introduces new visual symbols in the colored rectangles that are like two arrowheads pointing inward at each other. Please find a way to label these. Also suggest that if there is some visual consistency with Figures 6-2 and 6-3, make them consistent. Ahh, I see Figure 8A-1 has labels....

Choose a way to label consistently and/or define.

A better solution is to add these symbols to Figure 6-2 nd 6-3, where tunnels are first introduced, and to add a description to these figures stating that in these and subsequent figures, the symbol >< represents the operations of converting VLCPDUs into an xPDUs and xPDUs into VLCPDUs. No changes to Figure 7-1/2/3 are needed.

#277136 Type: T   TF: TF2   Clause: 8.1.1   Page: 60   Line: 8   Commenter: Rannow, R K / silverdraft supercomputing

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

The VLC_CONFIG VLCPDU format shall be as depicted in Figure 8-1 ambiguous and confusing.

The VLC_CONFIG VLCPDU format shall be constructed as described by Figure 8-1

The frame format is a description or a characteristic of a frame. A frame can be constructed, but a frame format can only be described or shown. There is nothing ambiguous in the original sentences and the same language is used in multiple approved standards.

#277391 Type: E   TF: TF2   Clause: 8A1.2.1   Page: 85   Line: 0   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: Reject   Commenter Satisfaction: None   Category: -

Table 8A-2 Descriptions have inconsistent use of a period '.' to end what appears to be a sentence that doesn't end in a cross-reference. E.g., see MsgSequence versus RuleTLVs S. There are others also. Same for Table 8A-4, 8A-6, 8A-8, 8A-10, 8A-12.

Make consistent.

No inconsistency seems to be present.

#277393 Type: T   TF: TF2   Clause: 8A.4   Page: 100   Line: 16   Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: GPON

header and line 32. ITU "PON" is not defined either. May need an entry in 3.2. May need a reference to the appropriate ITU-T standard(s) if it is clear. Also make clear what stanards ITU-T PON refer to. For example, I see it as a family of standards under development by ITU-T Q2/SG15. Relevant othe rnames/labels are summarized in https://www.itu.int/en/ITU-T/studygroups/2017-2020/15/Documents/OFC2018-2-Q2_v5.pdf Said differently ITU-T PON is not just GPON.

Different ways to resolve this and the other my other two comments on this page.

Discussion needed at TF level on how to fix that consistently

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#277392 Type: T	TF: TF2	Clause: 8A.4	Page: 100	Line: 21 Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: GPON

This is the first occurrence of "GPON" in the draft. May need an entry in 3.2. Needs a reference to the relevant ITU-T standard(s); e.g, ITU-T G.984. Also consider changing from "GPON" to "G-PON" to match ITU-T references.

Add to acronyms if needed and/or expand on first use. Add the relevant references to the ITU-T standard(s). Might be fixed in another of my comments.

Discussion needed at TF level on how to fix that consistently

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#277394 Type: T   TF: TF2   Clause: 8A.4   Page: 100   Line: 21 Commenter: Laubach, Mark / IEEE member / Self Employed

Comment Status: Proposed   Response Status: AIP   Commenter Satisfaction: None   Category: GPON

Back to only stating "GPON" as OMCI also is used with XG-PON. I see there is a note in the acronyms table for G.988 (11/2017) that says "G-PON Gigabit-capable Passive Optical Network NOTE – See [ITU-T G.984.x]. Unless explicitly stated otherwise, this term also refers generically to [ITU-T G.987] XG-PON". Am recommending putting something similar into this draft.

Easiest path: put "G-PON" into the 3.2 list and add a similar note "G-PON Gigabit-capable Passive Optical Network NOTE – See [ITU-T G.984.x]. This term also refers generically to [ITU-T G.987] XG-PON"" or put it in a a footnote on page 11 to G-PON, or equivalent. Add G.984.x and G.987 to the list of normative rerernces as needed.

Discussion needed at TF level on how to fix that consistently

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#276457 Type: E   TF: TF2   Clause: 8a.5.1   Page: 104   Line: 15 Commenter: Noll, Kevin / Vecima

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

Misspelling - Illistrate should be illustrate

Replace Illistrate with illustrate

-

#276458 Type: E   TF: TF2   Clause: 8A.5.2   Page: 105   Line: 5 Commenter: Noll, Kevin / Vecima

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

grammar/plurality error - "In case of a VLC-aware ONUs" should be "In the case of VLC-aware ONUs" or "In the case of a VLC-aware ONU"

Change "In case of a VLC-aware ONUs" to "In the case of a VLC-aware ONU"

-

#276459 Type: E   TF: TF2   Clause: 8A.5.2   Page: 106   Line: 2 Commenter: Noll, Kevin / Vecima

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

grammar/plurality error - "In case of a VLC-unaware ONUs,"

Change "In case of a VLC-unaware ONUs," to "In the case of a VLC-unaware ONU"

-

#276460 Type: E   TF: TF2   Clause: 8A.5.2   Page: 106   Line: 2 Commenter: Noll, Kevin / Vecima

Comment Status: Proposed   Response Status: Accept   Commenter Satisfaction: None   Category: -

Spelling - "respondible"

Change "respondible" to "responsible"

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