#4	Type: TR	TF: TF4	Clause: 5.3.3.1	Page: 51	Line: 1	Commenter: Glen Kramer / Broadcom

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

Figure 5-3 in not representative of 802.3ca-compliant ONU. There are no ONU architectures that include multiple L-ONUs. Instead, multiple LLIDs exist per each L-ONU. Also, the figure should show the internal service ports that can be connected to either eSAFE devices or UNI ports

Use ONU Architecture figure 5-3 as shown on slide 8 of tf4_2106_kramer_5.pdf. Figure 5-4 is not needed anymore and should be deleted from the draft.

Use ONU Architecture figure 5-3 as shown on slide 8 of tf4_2106_kramer_5.pdf. Remove Figure 5-4. Change "The location of the L-ONU in the ONU architecture is presented in Figure 5-3 and Figure 5-4." to "The location of the L-ONU in the ONU architecture is presented in Figure 5-3." Change "Two example configurations are presented in Figure 5-3 and Figure 5-4." to "An example configuration is shown in Figure 5-3." in 5.3.3.2 Strike "A single C-ONU instantiating a single L-ONU is shown in Figure 5-3. A single C-ONU instantiating multiple L-ONUs is shown in Figure 5-4. In this case, three L-ONUs are shown." in 5.3.3.2 In 6.1, change "The location of the model within the ONU is illustrated in Figure 5-4." to "The location of the model within the ONU is illustrated in Figure 5-3."

#6	Type: TR	TF: TF4	Clause: 14.1	Page: 265	Line: 3	Commenter: Glen Kramer / Broadcom

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

The 1904.4 scope does not include multiple profiles anymore. The structure of clause 14 needs to change to address this.

1) Replace the sentence "Clause 14 defines sets of extended management attributes and actions for each profile specified in this standard." with the following: "Clause 14 defines sets of basic and extended management attributes and actions for the OLT and ONU devices specified in this standard." 2) Delete header "14.4 Management entities for DPoE eOAM profile" 3) Advance all 3rd level sub-headers 14.4.1 through 14.4.6 to the 2nd level 14.2 through 14.7 (all headers level 4 and below should be advanced as well)

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#1	Type: TR	TF: TF4	Clause: 14.4.1.1	Page: 266	Line: 1	Commenter: Glen Kramer / Broadcom

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

In Table 14-1, the description of the Length field is wrong. There is no field called "Value" and the numeric value of the Length is not correct for the object type LLID (0x00-02)

Use the following text for the Notes cell: Represents the size of the ObjectInstance field: 0x01 for ObjectType values 0x00-00, 0x00-01, and 0x00-03   0x02 for ObjectType value 0x00-02   0x04 for ObjectType value of 0x00-04 Other values are reserved and ignored on reception.

Use the following text for the Notes cell: Represents the size of the ObjectInstance field: 0x01 for ObjectType values 0x00-00, 0x00-01, and 0x00-03   0x02 for ObjectType value 0x00-02   0x04 for ObjectType value 0x00-04 Other values are reserved and ignored on reception.

#2	Type: TR	TF: TF4	Clause: 14.4.1.1.2.5	Page: 268	Line: 1	Commenter: Glen Kramer / Broadcom

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

Description of ObjectInstance structure for Queues is not correct. For an upstream queue (i.e., when the associated port is LLID), there is no port instance and queue instance values. LLID is identified by a full 16-bit tag and there is only a single queue per LLID, so QueueInstance field is meaningless.

Make the format of ObjectInstance structure dependent of the associated port type. For UNI, the structure shall remain as is. For LLID, fields PortInstance and ObjectInstance are replaced by a single field LlidInstance. The exact changes are shown in tf4_2106_kramer_3.pdf

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#3	Type: TR	TF: TF4	Clause: 14.4.3.1.9	Page: 300	Line: 1	Commenter: Glen Kramer / Broadcom

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

The draft has a conflcit in the definition and use of term "UNI Port". On one hand, the "UNI port" is shown to be the external interface to a CPE device. On the other hand, in many attributes, "UNI port" represents an internal port that can be connected eitherto an embedded device or to an actual UNI port. Presentation tf4_2106_kramer_5.pdf explains the problem and proposes a solution.

Where the term "UNI port" refers to either internal (logical) port or an external (physical) port, use term "Service Port". Update the attributes aOnuUniPortCount and aOnuUniPortType as shown in tf4_2106_kramer_6.pdf.

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#5	Type: TR	TF: TF4	Clause: 14.4.3.2.14	Page: 318	Line: 7	Commenter: Glen Kramer / Broadcom

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

A proposal to resolve action items #3 and #5 is detailed in tf4_2106_kramer_2.pdf (Note that this proposal did not address the misuse of term "UNI port". This issue is addressed in another comment.)

Add new attributes and actions is shown in tf4_2106_kramer_4.pdf (This file uses the "Service Port" instead of "UNI port", consistent with the proposal in tf4_2106_kramer_5.pdf)

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