

#5 Type: TR TF: TF4 Clause: 9.3 Page: 104 Line: 7 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: AIP Commenter Satisfaction: Satisfied Category: -

There are a number of issues with optical link protection specification: 1) MAC LoS condition as specified, detects loss of frames from a single ONU. But that kind of failure is not remediated by the trunk protection scheme. MAC LoS should be triggered by absence of any MAC frames from all the granted ONUs. 2) Some kinds of failures are not detectable by ONUs, yet protection switching by the OLT will fail if the ONU does not detect the failure as well. 3) Instead of purging Grants, the 802.3ca ONU needs to purge Committed Envelope Descriptors. 4) The existing trunk protection process state diagram does not properly integrate with the 802.3ca ONU registration state diagram or the MPCP Control Parser.

Replace subclause 9.3 with the material shown in tf4_2412_kramer_protection_1b_clean.pdf. (Subclause 9.3.4 remains as it is in D2.3) Changes are shown in tf4_2412_kramer_protection_1b_diff.pdf. Update PICS

Changes per comment with the following modifications: * 9.3.3.1.1 change "should" to "shall" * 9.3.3.1.3 modify "The protection switching optimization method that bypasses the ONU authentication is not recommended for the trunk protection scheme with redundant C-OLT, as it would require transfer of ONU-related security information across a LAN or a WAN." to "The protection switching optimization method that bypasses the ONU authentication is not recommended for the trunk protection scheme with redundant C-OLT if the transfer of ONU-related security information across a LAN or a WAN is not sufficiently secure."

#6 Type: E TF: TF4 Clause: 9.3.4.3.1 Page: 118 Line: 20 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: Accept Commenter Satisfaction: None Category: -

Typo
 swichover --> switchover

#3 Type: T TF: TF4 Clause: 11.2.3.2.1.1 Page: 145 Line: 29 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: AIP Commenter Satisfaction: None Category: -

It would help to clarify that the ONU deployment scenario described in this draft as "Unknown/generic ONU" is also commonly referred to as "Bring your own device (BYOD)" policy.

Change the sentence "The unknown/generic ONU deployment scenario refers to deployment of an ONU that has not been in the possession of the network operator prior to deployment, as is the case of a customer-procured ONU." to "The unknown/generic ONU deployment scenario, also known as *Bring your own device (BYOD)* policy, refers to deployment of an ONU that has not been in the possession of the network operator prior to deployment, as is the case with a customer-procured ONU."

Change the sentence "The unknown/generic ONU deployment scenario refers to deployment of an ONU that has not been in the possession of the network operator prior to deployment, as is the case of a customer-procured ONU." to "The unknown/generic ONU deployment scenario, i.e., *Bring your own device (also commonly referred to as BYOD)* policy, refers to deployment of an ONU that has not been in the possession of the network operator prior to deployment, as is the case with a customer-procured ONU." Slight rewording to better justify the use of BYOD acronym, which is not used anywhere else in the document.

#1 Type: E TF: TF4 Clause: 11.3.5.4.1 Page: 168 Line: 12 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: Accept Commenter Satisfaction: None Category: -

The grammar is not right in the following sentence: "The desired effect of such shift is that an envelope header transmitted by the OLT when its CipherClock value is Ti is received by the ONU at its RxCipherClock value is also Ti."

Replace "...at its RxCipherClock value is also Ti." with "...at its RxCipherClock value also being equal to Ti."

#2 Type: T TF: TF4 Clause: 13.3 Page: 179 Line: 22 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: AIP Commenter Satisfaction: None Category: -

Some time ago, the WG made a decision to use eOAM discovery from 1904.1 package C in 1904.4 (i.e., to discover all supported OAM versions and then choose one). But the current text in 1904.4 seems to be a mix of requirements from package C and package A. There are duplicate shall statements. Some clean-up is required.

Update section 13.3 "Device discovery and capability discovery" as shown in tf4_2412_kramer_eOAM_discovery_1_clean.pdf. The changes against D2.3 are highlighted in tf4_2412_kramer_eOAM_discovery_1_diff.pdf. The PICS changes are shown in tf4_2412_kramer_eOAM_discovery_PICS_1.pdf

Changes as suggested with the following exceptions * in table 13-6, change the year from 2025 to 202x (we leave the approval year for staff editor to replace globally)

#4 Type: T TF: TF4 Clause: 9A Page: 462 Line: 1 Commenter: Glen Kramer / Broadcom
 Comment Status: Resolved Response Status: Accept Commenter Satisfaction: None Category: -

In 802.3ca, the Timestamp value is precompensated by each ONU's RTT (in contrast with 802.3av, where Timestamp was common and StartTime values were precompensated). This change makes the Measurement of bRTT in trunk-protected EPON not applicable.

Delete Annex 9A. The post-switchover RTT measurement (Method #2) is described in new Trunk Protection Scheme clause (submitted in another comment)

