

Proposed Responses Specifications and Management Parameters for 25Gb/s, 50Gb/s, and 100Gb/s Passive Optical Networks 2r

Cl **FM** SC **FM** P**3** L**4** # **287**  
 Remein, Duane Huawei  
 Comment Type **T** Comment Status **D** bucket  
 We have agree to use "PQ" rather than "PR"  
 SuggestedRemedy  
 Globally replace "PR" with "PQ" (22x)  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl **FM** SC **FM** P**10** L**35** # **288**  
 Remein, Duane Huawei  
 Comment Type **E** Comment Status **D** bucket  
 Capitalization; service interface, Service interface, or Service Interfaces? Pick one.  
 SuggestedRemedy  
 I recommend "service interface" except where it appears at the beginning of a sentence and pg 11 line 43.  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT IN PRINCIPLE.

Use "service interface" globally. No changes to FM (this is inherited from template). Also, remove all instances of "Instances of Service Interface:" blocks in Clause 144 - they are NOT needed and do not need to be peppered through the Clause when they are defined up front anyway.

Cl **1** SC **1.5** P**21** L**34** # **295**  
 Remein, Duane Huawei  
 Comment Type **T** Comment Status **D** bucket  
 Missing abbreviations (much as I dislike abbreviations we should at least be consistent)  
 SuggestedRemedy  
 Add in alpha order: "ECH envelope continuation header"  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl **141** SC **141.1** P**28** L**6** # **298**  
 Remein, Duane Huawei  
 Comment Type **E** Comment Status **D** bucket  
 I find an active link to the current clause somewhat odd (here elsewhere) not to mention frustrating if accidentally clicked on.  
 SuggestedRemedy  
 Replace the following instance of "Clause 141" with "this clause" (or "This clause" as appropriate).  
 Pg/Line 28/6, 28/20, 28/40, 29/1, 31/3, 34/50, 35/3, 35/25, 35/44

Replace "Clause 141 PMD" with "Nx25G-EPON PMD" at 32/ 33, 35/30, 35/32 (table 141-4 title), 44/50

Proposed Response Response Status **W**  
 PROPOSED REJECT.  
 Nothing wrong with such a statement - it exists in baseline standard - see 75.1 for example.

Cl **141** SC **141.1.3** P**28** L**34** # **257**  
 Lee, HH ETRI  
 Comment Type **ER** Comment Status **D** bucket  
 Period is missing.  
 SuggestedRemedy  
 add period after "over a single SMF"  
 Proposed Response Response Status **W**  
 PROPOSED REJECT.

This is NOT intended to be a complete sentence.

Cl **141** SC **141.1.3** P**28** L**36** # **258**  
 Lee, HH ETRI  
 Comment Type **ER** Comment Status **D** bucket  
 Period is missing.  
 SuggestedRemedy  
 add period after "over a single SMF"  
 Proposed Response Response Status **W**  
 PROPOSED REJECT.

This is NOT intended to be a complete sentence.

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Cl 141 SC 141.1.3 P28 L42 # 256  
 Lee, HH ETRI  
 Comment Type ER Comment Status D bucket  
 Remove the coma.  
 SuggestedRemedy  
 PR-S20: symmetric-rate, medium power budget.  
 Proposed Response Response Status W  
 PROPOSED REJECT.  
 Correct as is

Cl 141 SC 141.1.4 P29 L41 # 301  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 "symmetric-rate... and asymmetric-rate ... PMD sublayer" constitute more than one (layers should be plural)  
 If remein\_3ca\_1\_0718.pdf is accepted this comment can be withdrawn.  
 SuggestedRemedy  
 Per comment  
 Proposed Response Response Status W  
 PROPOSED REJECT.  
 No proposed change

Cl 141 SC 141.3.1.2 P33 L1 # 308  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 We have renamed these interfaces to PMD\_UNITDATA[i].request, PMD\_UNITDATA[i].indication, PMD\_SIGNAL[i].request, and PMD\_SIGNAL[i].indication. This should be reflected in the subclause titles in 141.3.1.2-141.3.1.5  
 SuggestedRemedy  
 Retitle sections to PMD\_UNITDATA[i].request, PMD\_UNITDATA[i].indication, PMD\_SIGNAL[i].request, and PMD\_SIGNAL[i].indication  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 141 SC 141.3.1.2 P33 L2 # 309  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 "Clause 142 PMA" does nothing to orient the reader.  
 SuggestedRemedy  
 Change to: "Nx25G-EPON PMA" (7x)  
 Proposed Response Response Status W  
 PROPOSED REJECT.  
 Clause reference is clearer (and has live link) while the proposed text does not.

Cl 141 SC 141.3.1.5 P33 L39 # 311  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 Signal name "SIGNAL\_- DETECT" breaks line (several times)  
 SuggestedRemedy  
 disable hyphenation on all signal names (Esc n s in frame).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 141 SC 141.4 P35 L50 # 200  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 No need to build one sentence paragraphs  
 SuggestedRemedy  
 Merge sentences in line 50 and 52 into a single paragraph.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 141 SC 141.4.1 P38 L37 # 188  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 Stranded TBD  
 SuggestedRemedy  
 Remove {TBD} in line 38, page 38  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 141 SC 141.5.1 P36 L23 # 314  
 Remein, Duane Huawei  
 Comment Type T Comment Status D bucket  
 if we're talk of both 25G-EPON and 50G-EPON we should use Nx25G-EPON. Same issue  
 in 141.6 pg 38 line 45  
 SuggestedRemedy  
 Change from  
 "25G-EPON and 50G-EPON OLT PMDs" to  
 "Nx25G-EPON OLT PMDs"  
 in both locations  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 Type changed from E to T

Cl 141 SC 141.5.1 P37 L43 # 242  
 Lee, HH ETRI  
 Comment Type ER Comment Status D bucket  
 Remove the coma.  
 SuggestedRemedy  
 remove the coma in "Side-mode suppression ratio (SMSR) (min)"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 141 SC 141.7.1 P45 L3 # 319  
 Remein, Duane Huawei  
 Comment Type T Comment Status D bucket  
 The use of the parenthetical "(channel)" here is superfluous (and makes for good comment  
 bait)  
 SuggestedRemedy  
 Strike  
 Proposed Response Response Status W  
 PROPOSED REJECT.

Comment type changed from E to T  
 Text has been in use for a long time and never a cause for concern.

Cl 142 SC 142.1 P54 L8 # 324  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 Replace {NG-EPON type}  
 SuggestedRemedy  
 change to: Nx25G-EPON  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.1 P54 L8 # 193  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type T Comment Status D bucket  
 "used with {NG-EPON type} point-to-multipoint (P2MP) networks" - we need proper  
 replacement after PMD naming discussion in May 2018  
 SuggestedRemedy  
 Change "used with {NG-EPON type} point-to-multipoint (P2MP) networks" to "used with  
 Nx25G-EPON point-to-multipoint (P2MP) networks"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 142 SC 142.2.2.1.1 P57 L5 # 331  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 What is a 25BGASE?  
 SuggestedRemedy  
 Change "25BGASE-PR" to "Nx25G-EPON"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.2.2.1.2 P57 L13 # 198  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type T Comment Status D bucket  
 Multiple references to "25GBASE-PR PCS"  
 SuggestedRemedy  
 Change globally to "Nx25G-EPON PCS" to designate PCS defined in Clause 142  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.2.2.1.1 P57 L7 # 196  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 HEX representation: a-f symbols are written now in lower caps or upper caps, with no consistency  
 SuggestedRemedy  
 Suggest to use all upper caps in hex numbers, less ":"0x" designator indicating hex value  
 Base standard seems to be inconsistent in thus respect today  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.2.2.2 P57 L40 # 203  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 Empty sections  
 SuggestedRemedy  
 Add {TBD} statements to the following sections: 142.2.2.2, 142.2.2.3, 142.2.2.4, 142.2.2.5  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE.  
 See comment #336, #337, #338

Cl 142 SC 142.2.2.1.2 P57 L13 # 197  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type T Comment Status D bucket  
 Multiple references to "25GBASE-PR"  
 SuggestedRemedy  
 Change globally to "25GBASE-PQ" since PQ is the proper designator for new 256/257 bit coding, less all occurrences of "25GBASE-PR PCS"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.2.2.4 P57 L44 # 338  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 Remove 142.2.2.4 FEC Encoding and 142.2.2.5 Gearbox as these are duplicates of 142.2.2.9 & 142.2.2.10  
 SuggestedRemedy  
 Per comment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 142 SC 142.2.2.6 P57 L48 # 339  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 Change "142.2.2.6 PCS Transmit" to "142.2.2.6 PCS Transmission path" to avoid confusion with 142.2.2.3  
 SuggestedRemedy  
 Per comment  
 Proposed Response Response Status W  
 PROPOSED REJECT.  
 The name matches the name in Figure 142–2—PCS Functional Block Diagram

Cl 142 SC 142.2.2.6.1 P58 L35 # 340  
 Remein, Duane Huawei  
 Comment Type T Comment Status D bucket  
 There are numerous references to "Transmit Process" in the draft, some refer to MPRS others to PCS. We should be specific.  
 SuggestedRemedy  
 "PCS Input Process" at: 58 line 35 is correct. Use "MPRS Input Process" everywhere else.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 Comemnt type changed from E to T

Cl 142 SC 142.2.2.6.2 P60 L18 # 343  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 There are numerous references to "Input Process" in the draft, some refer to MPRS others to PCS. We should be specific.  
 SuggestedRemedy  
 Use "PCS Input Process" at: pg/line, 60/18 and "MPRS Input Process" everywhere else (as is done at pg 102 line 4).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 Changed type from E to T

Cl 142 SC 142.2.2.7 P62 L43 # 347  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 Strike 142.2.2.7 Data detector (TBD), 142.2.2.7.1 Burst Mode operation (ONU only) (TBD), and 142.2.2.8 Scrambler See 49.2.6.  
 SuggestedRemedy  
 Per comment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.2.2.9 P64 L1 # 204  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type ER Comment Status D bucket  
 FEC encoding for the transmit function is already covered in 142.2.2.4  
 SuggestedRemedy  
 Move content from 142.2.2.9 to 142.2.2.4 and updated cross references accordingly.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.3 P78 L20 # 355  
 Remein, Duane Huawei  
 Comment Type E Comment Status D bucket  
 This is the Nc25G-EPON PMA  
 SuggestedRemedy  
 Replace {NG-EPON type} with Nx25G-EPON  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 142 SC 142.3 P78 L21 # 206  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type T Comment Status D bucket  
 Title needs an update  
 SuggestedRemedy  
 Change to "Nx25G-EPON PMA"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 143 SC 143.4.3.6.1 P102 L 8 # 372  
 Remein, Duane Huawei  
 Comment Type E Comment Status D 143 rewrite, bucket  
 a envelope s/b an envelope  
 SuggestedRemedy  
 per comment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE.  
 See comment #356

Cl 143 SC 143.4.4 P104 L 33 # 373  
 Remein, Duane Huawei  
 Comment Type E Comment Status D 143 rewrite, bucket  
 There are numerous references to "Receive Process" in the draft, we are likely to adopt a receive process for the PCS also. We should be specific.  
 SuggestedRemedy  
 Use "MPRS Receive Process" everywhere in D1.1.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE.  
 See comment #356

Cl 144 SC 144.3.3.5 P121 L 36 # 180  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 Message definitions are not sorted correctly  
 SuggestedRemedy  
 Use the following sort order:  
 MAC:MADI  
 MAC:MADR  
 MCC:MACI  
 MCC:MACR  
 Within each group, sort alphanumerically by the next character after "("  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 144 SC 144.3.5 P134 L 15 # 208  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 "pending envelopes" uses wrong capitalization  
 SuggestedRemedy  
 Change to "Pending Envelopes" + fix reference to read 144.3.7.3  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 144 SC 144.3.5.5 P136 L 10 # 183  
 Hajduczenia, Marek Charter Communicatio  
 Comment Type E Comment Status D bucket  
 In state diagrams that are being added, we consistently use state names where individual compound words are combined using "\_". In older state diagrams, we use names with compound words using " " (space) to combine them together. The use of space is confusing, especially when names of states are referenced anywhere  
 SuggestedRemedy  
 Align with the new state name methodology, i.e., use "\_" as combiner for state names where more than one word exists. In here, change "WAIT FOR GATE" to "WAIT\_FOR\_GATE". Scrub the whole draft  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.