Р C/ 000 SC 0 L # 66 C/ 045 SC 45.2.1.101.a P 42 L 42 Anslow, Pete Ciena Froroth, Ingvar Marvell Comment Type Ε Comment Status D bucket Comment Type T Comment Status D bucket The PDF Document Properties are not filled in completely: It is not clear exactly what happens when the 25GBASE-R Reed-Solomon Title: IEEE P802.3xx name of Task Force FEC is disabled. Is this just the decoding? If the encoding is not performed, what is the Subject: IEEE P802.3xx amendment signal format? The answer to these questions can be found in 108.6.3 "25G RS-FEC Enable". Please Author: IEEE P802.3xx Task Force make this information easier to obtain by adding a cross-reference to 108.6.3 Keywords: P802.3xx, SuggestedRemedy SuggestedRemedy Fill in the PDF Document Properties with 802.3by and relevant details. Add: "(see 108.6.3)" to the end of the last sentence. Proposed Response Proposed Response Response Status W Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 031B SC 31B.3.7 P 197 / 11 # 25 C/ 045 SC 45.2.1.102.1 P 43 / 15 # 24 Cadence Design Syste Marris. Arthur Anslow. Pete Ciena Comment Status D Comment Status D Comment Type Ε bucket Comment Type E bucket Delete editor's note as it is no longer needed. In the added text in 45.2.1.102.1, "Clause 91" should be green and "Clause 108" should be a cross-reference. SuggestedRemedy Delete editor's note as it is no longer needed. Same issues in 45.2.1.102.2 Proposed Response Response Status W SugaestedRemedy PROPOSED ACCEPT. In the added text in 45.2.1.102.1, apply character tag "External" to "Clause 91" and make "Clause 108" a cross-reference. # 23 Make the same changes in 45.2.1.102.2. P 42 C/ 045 SC 45.2.1.101 L 30 Anslow. Pete Ciena Proposed Response Response Status W PROPOSED ACCEPT. Comment Type Ε Comment Status D bucket In Table 45-79, "R0" should be "RO". i.e., what appears to be a zero should be a capital "o" C/ 045 SC 45.2.1.102.1 P 43 / 15 # 28 SuggestedRemedy Marris, Arthur Cadence Design Syste Change "R0" to "RO" Comment Type Comment Status D bucket Proposed Response Response Status W Fix cross references in 45.2.1.102.1 and 45.2.1.102.2 PROPOSED ACCEPT. SuggestedRemedy Mark Clause 91 and Clause 108 as cross references Proposed Response Response Status W PROPOSED ACCEPT.

C/ 045 SC 45.2.1.102.1 P 43 L 16 # / CI 073 SC 73.6.5 P 56 L 10 Ciena Anslow, Pete Anslow, Pete Ciena Comment Type Ε Comment Status D bucket Comment Type Comment Status D bucket "alignment markers lock" should be "alignment marker lock" There is no editing instruction associated with 73.6.5 SuggestedRemedy SugaestedRemedy Change "alignment markers lock" to "alignment marker lock" Add "Change 73.6.5 as follows:" Proposed Response Proposed Response Response Status W Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 045 SC 45.2.1.7.4 P 38 L 13 # 22 C/ 074 SC 74.1 P 59 L 20 # 10 Anslow. Pete Ciena Anslow. Pete Ciena Comment Type Ε Comment Status D bucket Comment Type E Comment Status D bucket Tables 45-9, 45-10, and 45-12 already contain rows with multiple PMD types. For instance: The IEEE Editorial style manual contains: "10GBASE-S, 10GBASE-L, 10GBASE-E 52.4.8" "In a series of three or more terms, use a comma immediately before the coordinating These do not use "or" between the PMD types conjunction (usually and, or, or nor)." SuggestedRemedy SuggestedRemedy Use the already established format for multiple PMD types in Tables 45-9, 45-10, and 45-Change: "The 25GBASE-CR. 25GBASE-CR-S. 25GBASE-KR and 25GBASE-KR-S PHYs" to: Replace " or" with "," in Table 45-9 (2 instances), Table 45-10 (2 instances), and Table 45-"The 25GBASE-CR, 25GBASE-CR-S, 25GBASE-KR, and 25GBASE-KR-S PHYs" 12 (2 instances), Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. CI 074 P 68 SC 74.8.1 L 36 # 12 P 45 L 41 C/ 045 SC 45.2.3.7.3a Anslow, Pete Ciena Anslow. Pete Ciena Comment Status D Comment Type bucket Ε Comment Status D Comment Type bucket "Clause 73" should be a cross-reference In the editing instruction, "new subclauses 45.2.3.7.3a" should be "new subclause SuggestedRemedy 45.2.3.7.3a" Make "Clause 73" a cross-reference SuggestedRemedy Proposed Response Response Status W Change "new subclauses 45.2.3.7.3a" to "new subclause 45.2.3.7.3a" PROPOSED ACCEPT. Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 105 SC 105.4.1 P 80 L 13 # 56 C/ 108 SC 108.1.1 P 101 L 10 # 29 Baden, Eric Cadence Design Syste Broadcom Marris, Arthur Comment Type Ε Comment Status D bucket Comment Type Ε Comment Status D bucket Clause 108 is a single specification for the 25G RS_FEC so it should be singular. the word 'of' is missing between transfer and a (define the transfer of a stream of data) SuggestedRemedy SuggestedRemedy Add the work of between the words transfer and a (stream) Change: "The specifications are closely related to those of the RS-FEC sublayer for 100GBASE-R Proposed Response Response Status W PHYs" PROPOSED ACCEPT. To: "The specification is closely related to that of the RS-FEC sublayer for 100GBASE-R PHYs" C/ 106 SC 106.1 P 88 L 10 # 13 Proposed Response Response Status W Anslow. Pete Ciena PROPOSED ACCEPT. Comment Type Ε Comment Status D bucket C/ 108 SC 108.5.2.2 P 103 / 34 # 61 "Clause 46" should be shown in green Dove. Daniel Dove Networking Solut SuggestedRemedy Comment Status D Comment Type ER bucket Apply the "External" character tag to "Clause 46" Inaccurate phrasing Proposed Response Response Status W SuggestedRemedy PROPOSED ACCEPT. Replace "periodic" with "periodically occurring" C/ 107 SC 107.2 P 96 L 1 # 57 Proposed Response Response Status W Baden, Eric Broadcom PROPOSED ACCEPT. Comment Type E Comment Status D bucket P 108 # 177 C/ 108 SC 108.5.3.4 L 34 Change the word codes to encodes for better readability. Wertheim, Oded Mellanox Technologie SuggestedRemedy Comment Type Comment Status D bucket Change the word codes to encodes. The sunclause defines codeword maerker removal and not alignment marker removal Proposed Response Response Status W SuggestedRemedy PROPOSED ACCEPT. Change the subclause to: 108.5.3.4 Codeword marker removal Proposed Response Response Status W PROPOSED ACCEPT.

C/ 108 SC 108.5.3.4 P 108 L 34 # 163 C/ 109 SC 109.3 P 126 L 23 # 41 Andrewartha, Mike Microsoft Ran, Adee Intel Comment Type ER Comment Status D bucket Comment Type Comment Status D bucket The heading for 108.5.3.4 should say "Codeword marker removal" instead of "Alignment The final part of the sentence, "(e.g., another PMA, FEC, or PMD)", repeats an identical marker removal" itemization in the previous sentence. SuggestedRemedy SugaestedRemedy Change heading for 108.5.3.4 to "Codeword marker removal" Delete the parnthesized text Proposed Response Proposed Response Response Status W Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. [Editor changed subclause from 5.3.4 to 108.5.3.4] C/ 109 SC 109.4.5.1 P 128 L 31 # 27 Marris, Arthur Cadence Design Syste See #177. Comment Type E Comment Status D bucket C/ 108 SC 108.5.4.2 # 26 P 110 L 31 Delete editor's note as it is no longer needed. Marris, Arthur Cadence Design Syste SuggestedRemedy Ε Comment Type Comment Status D bucket Delete editor's note as it is no longer needed. Delete editor's note as it is no longer needed. Also on page 129 line 21 SuggestedRemedy Also on page 130 line 5 Delete editor's note as it is no longer needed. Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 109 SC 3 P 126 L 33 # 160 C/ 108 P 116 L 2 SC 108.6.3 # 45 Andrewartha, Mike Microsoft Ran. Adee Intel Comment Type E Comment Status D bucket Comment Type Ε Comment Status D bucket Typo: "The service interface below the PMA has and input and output" should be "The The editor's note about RS-FEC enable/disable capabilty is not needed in the next draft. service interface below the PMA has an input and output" SuggestedRemedy SuggestedRemedy Delete editor's note. Replace the word 'and' with 'an' betwen 'has' and 'input' Proposed Response Proposed Response Response Status W Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT.

C/ 109B SC 109B.1 Dawe, Piers	P 207 Mellanox	L 40	# 121	CI 109B SC 109B.5.2.2 P 212 Dawe, Piers Mellanox	L 50	# 185
Comment Type E Entries in key should be	Comment Status D in alphabetical order.		bucket	Comment Type E Comment Status D Orphan heading		bucket
SuggestedRemedy Move FEC entry to its p	lace in alphabetical order.			SuggestedRemedy Keep with table on next page.		
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.		
C/ 109B SC 109B.3.4.	P 210 Ciena	L 17	# [18	C/ 109B SC 109B.5.3 P 213 Dawe, Piers Mellanox	L 11	# 191
Same issue for "83E.4.2 SuggestedRemedy	character tag "External" to "	Table 88-13"	bucket	Comment Type ER Comment Status D MM1 and MM2 are not major options because knowle any different action to knowledge of the major option SuggestedRemedy Move these two PICS to 109B.5.4.2 Module output. Proposed Response Response Status W PROPOSED ACCEPT.		
PROPOSED ACCEPT. CI 109B SC 109B.5.2.2 Dawe, Piers Comment Type E Clause 109B SuggestedRemedy Annex 109B	Mellanox Comment Status D	L 37	# 184 bucket	CI 109B SC 109B.5.3 P 213 Dawe, Piers Mellanox Comment Type E Comment Status D Wrong subclause. The two choices are first laid out if SuggestedRemedy Change "109B.3.2.1" to "109B.1.1". Proposed Response Response Status W PROPOSED ACCEPT.	<i>L</i> 9 in 109B.1.1.	# 181 bucket
Proposed Response PROPOSED ACCEPT.	Response Status W			CI 109B SC 109B.5.4.2 P 214 Dawe, Piers Mellanox Comment Type E Comment Status D Signal rate SuggestedRemedy Signaling rate	L 19	# 182 bucket

PROPOSED ACCEPT.

C/ 109B SC 109B.5.4.4 P 215 L 18 # 154 C/ 110 SC 110.6 P 140 L 1 # 16 Maki, Jeffery Juniper Networks, Inc. Anslow, Pete Ciena Comment Type ER Comment Status D bucket Comment Type Ε Comment Status D bucket Draft 1.0 was not updated properly to reflect the final response made for Comment #110 The IEEE Editorial style manual contains: against Draft 0.1. "In a series of three or more terms, use a comma immediately before the coordinating conjunction (usually and, or, or nor)." SuggestedRemedy SuggestedRemedy Value/Comment for Item RM2 should refer to 83E.3.4.1.1. not 83E.4.1.1. There is no subclause 83E.4.1.1. Change: "in RS-FEC. BASE-R FEC or no-FEC mode." to: Proposed Response Response Status W "in RS-FEC. BASE-R FEC. or no-FEC mode." PROPOSED ACCEPT. Proposed Response Response Status W C/ 110 SC 110.1 P 137 L 2 PROPOSED ACCEPT. # 15 Anslow, Pete Ciena C/ 110 SC 110.8.4.2 P 144 L 47 # 46 Comment Type Comment Status D bucket Ran. Adee Intel The base standard is almost consistent in using "interpacket" rather than "inter-packet" Comment Status D Comment Type Ε bucket Same issue in 111.1 and 112.1.1 (2 instances) The editor's note about required block error ratio in BASE-R FEC mode is not needed in SuggestedRemedy the next draft. Change "inter-packet" to "interpacket" SuggestedRemedy Make the same change in 111.1 (page 163 line 54) and 112.1.1 (page 181 lines 42 and 43) Delete editor's note. Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT. Implement the suggested remedy, also including: page 76, line 16, clause 105 See also comment #146. Affects clauses: 105, 110, 111, 112 C/ 110 SC 110.8.4.2.3 P 147 L 46 # 134 Dudek, Mike QLogic P 152 # 49 C/ 110 SC 110.10.7.1.2 / 17 Comment Type Comment Status D bucket Ran. Adee Intel This is a good solution to the Comment #52. Comment Type Ε Comment Status D bucket SuggestedRemedy The editor's note about implementation of comment #103 against D0.1 (scattering parameters) is not needed in the next draft. Delete the editor's note. SuggestedRemedy Proposed Response Response Status W Delete editor's note. PROPOSED ACCEPT. Proposed Response Response Status W See comment #47. PROPOSED ACCEPT.

C/ 110 SC 110.8.4.2.3 P 147 L 46 # 47 C/ 110B SC 110B.1 P 222 L 14 # 101 Lusted, Kent Ran, Adee Intel Intel Comment Type Ε Comment Status D bucket Comment Type ER Comment Status D bucket Type "QFP28" The editor's note about implementation of comment #52 against D0.1 (modified COM parameters) is not needed in the next draft. SuggestedRemedy SuggestedRemedy Change "QFP28" to "QSFP28" Delete editor's note. Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 110B SC 110B.1 P 222 L 18 # 102 C/ 110 SC 110.8.4.3 P 148 L 26 # 17 Lusted. Kent Intel Anslow, Pete Ciena Comment Type ER Comment Status D bucket Comment Type E Comment Status D bucket Type "QFP28" "test 2 as specified of Table 110-5" should be "test 2 as specified in Table 110-5" SuggestedRemedy SuggestedRemedy Change "QFP28" to "QSFP28" Change "test 2 as specified of Table 110-5" to "test 2 as specified in Table 110-5" Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 110B SC 110B.1 P 222 L 18 # 44 C/ 110 SC 110.8.4.3 P 148 / 36 # 48 Ran. Adee Intel Ran, Adee Intel Comment Type E Comment Status D bucket Comment Status D Comment Type E bucket Cable assembly form factor is a new concept. Form factors mentioned here should have The editor's note about implementation of comment #53 against D0.1 (litter tolearnce references to the definitions. tables) is not needed in the next draft. SuggestedRemedy SuggestedRemedy Insert "(See 110C.3.1)" after "SFP28-SFP28 form factor". Delete editor's note. Insert "(See 110C.3.2)" after "QSFP28-QSFP28 form factor". Insert "(See 110C.3.3)" after "QSFP28-4xSFP28 form factor". Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT.

C/ 111 SC 111.8.3 P 170 L 6 # 50 Cl 999 SC P 10 L 11 # 19 Anslow, Pete Ran, Adee Intel Ciena Comment Type Ε Comment Status D bucket Comment Type Comment Status D bucket The editor's note about implementation of comment #59 against D0.1 (receiver As the P802.3bw project is entering Sponsor ballot, it is reasonable to assume that the characteristics in no-FEC and BASE-R FEC modes) is not needed in the next draft. 802.3bw amendment will be published before the 802.3by amendment. SuggestedRemedy SugaestedRemedy Delete editor's note. Add the summary for IEEE Std 802.3bw to the frontmatter above that for IEEE Std 802.3bv: Proposed Response Response Status W IEEE Std 802.3bwTM-201x PROPOSED ACCEPT. This amendment includes changes to IEEE Std 802.3-201x and adds Clause 96. This amendment adds 100 Mb/s Physical Layer (PHY) specifications and management C/ 111 SC 111.9 P 172 L 30 # 51 parameters for operation on a single balanced twisted-pair copper cable. Ran, Adee Intel Proposed Response Response Status W PROPOSED ACCEPT. Comment Type E Comment Status D bucket The editor's note about implementation of comment #59 against D0.1 (channel Cl 999 SC P 12 L 9 # 81 chaaracteristics for 25GBASE-KR-S) is not needed in the next draft. Nowell, Mark Cisco SuggestedRemedy Comment Status D Comment Type bucket Delete editor's note. Table of contents entry for 45.2.1.94 & 45.2.1.95 both state "Single-lane PHY 10GBASE-Proposed Response Response Status W R... " PROPOSED ACCEPT. The intention of the changes in 45.2.1.94 & 95 is to replace "10GBASER-R" with "Single-C/ 112 SC 112.3 P 182 L 25 # 43 lane PHY BASE-R" Ran, Adee Intel Additional comments to follow on the use of "Single-lane"... Comment Type Ε Comment Status D bucket SuggestedRemedy The delay constraint values are in magenta. Correct table of contents entry for both 45.2.1.94 & 45.2.1.95 to state "Single-lane PHY SuggestedRemedy BASE-R... " Change to normal black font. Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT.

Cl 999	SC		P 18	3	L 46	# 83
Nowell, M	ark		Cisco			
Comment	Туре	E	Comment Status	D		bucke
	of cont 1.125	ents enti	ry for 110.11.1 needs a	space	after clause num	ber or else it looks like
Suggeste	dRemed	dy				
Add s	pace to	Table o	f contents entry for 110).11.1		
Proposed	Respor	nse	Response Status	W		
PROF	POSED	ACCEP.	T IN PRINCIPLE.			
The s	pace is	missing	for all level-3 headings	s in the	TOC. Fix the form	natting appropriately.
Cl 999	SC	99	P 1	5	L 14	# 187
Dawe, Pie	ers		Mellar	nox		
Comment Forma	,,	E lignmen	Comment Status t problem?	D		bucke
Suggeste Fix	dRemed	dy				

PROPOSED ACCEPT IN PRINCIPLE.