C/00 SC P L # 8	C/ 00 SC 0 P L # 16
usted, Kent Intel	Anslow, Pete Ciena
Comment Type E Comment Status D The aMAUType entries for 1000BASE-PX30D, 1000BASE-PX30U, 1000BASE-PX40D, 1000BASE-PX40U, 1000BASE-PX20D and 1000BASE-PX20U are identical. It is "one single-mode fiber OMP 20 km PHY as specified in Clause 60." The obvious difference is ONU vs. OLT but nothing else stands out. It would be nice to include a little more description of how these Type entries are different from each other.	Comment Type E Comment Status D Subclause 1.2.6 of IEEE Std 802.3 says: "Unless otherwise stated, numerical limits in this standard are to be taken as exact, with the number of significant digits and trailing zeros having no significance." In view of this, it is not appropriate to show trailing zeros on limits that are less than 1. SuggestedRemedy
SuggestedRemedy Consider adding the typical split ratio information from Clause 60.1 to the Type description. Proposed Response Response Status O	Remove trailing zeros from: Table 60-8a (+-0.10). i.e. change "+-0.10" to "+-0.1" Table 60-8c (-5.00, -29.00, -27.60) Table 60-8d (0.20, 0.20, 0.30, .20, 0.20, 0.30, 1.0, 1.0) Table 60-9 (23.0, 21.0, 26.0, 26.0, 30.0, 34.0, 34.0) Table 60-10 (0.10)
Cl 00 SC 0 P L # 15 Anslow, Pete Ciena Ciena Comment Type E Comment Status D On page 27, line 1 the editing instruction says "Change Table 60–2 as shown below:" For a "Change" editing instruction it is not appropriate to show two versions of the table, one with a red cross through it. Since the table has completely changed, this is appropriate to a Replace editing instruction, where only the new version of the table is shown and without strikethrough or underline font.	Table 60-10 (0.10) Table 60-11 (0.20, 0.40, 0.30, 0.40) Table 75-5 (0.40, 0.40) Table 75-6 (1.90) Table 75-8 (0.40, 0.40, 3.0, 3.0, 2.0, footnote 3.0, 2.0) Table 75-8 (0.40, 0.40, 3.0, 3.0, 2.0, footnote 3.0, 2.0) Table 75-11 (-20.50, -28.50, 3.10) Table 75B-2 (23.0, 26.0) Table 75C-1 (0.20, 0.20) Table 75C-3 (0.40) Proposed Response Response Status
Same issue in Table 75-4, Table 75-7, and Table 75-9	
SuggestedRemedy	
Make the editing instruction "Replace", show only the new version of the table without strikethrough or underline font.	
Make the equivalent change for Table 75-4, Table 75-7, and Table 75-9	

Proposed Response Response Status **0**

CI 00 SC 0

Cl 1 SC 1.4 P 13 L 1 # 1030 Ganga, Ilango Intel	C/ 30 SC 30.5.1.1.2 P 13 L 3 # 1031 Ganga, Ilango Intel
Comment Type E Comment Status D Insert new definitions to Clause 1 (e.g. 1.4) For example add new definitions for 1000BASE-PX30, PX40 etc., or alternatively update 1.4.26/27 to a more generic definition for PX PHYs.	Comment Type E Comment Status D There is mess up of tab formatting in the base document for all the rows in 30.5.1.1.2. Change editing instruction to also include fixing the formatting issue in the base document. SuggestedRemedy As per comment Response Status O
SuggestedRemedy As per comment	C/ 30 SC 30.5.1.1.2 P 14 L 19 # 44 Hajduczenia, Marek ZTE Corporation
Proposed Response Response Status O	Comment Type T Comment Status D MAU entries for 1000BASE-PX30D and 1000BASE-PX40D are identical, given that the distance supported by PX30 and PX40 devices is identical. The same problem exists for 1000BASE-PX30U and 1000BASE-PX40U
C/ 30 SC 30.5.1.1.2 P13 L1 # 46 Thomas McDermott Fujitsu Network Comm Comment Type E Comment Status D The nomenclature chosen for describing the new aMAU type may be confusing. In the previous edition, the nomenclature indicated the range of the EPON aMAU in kilometers. 1000GBASE-PX10D for example refers to a 10 km span. 1000GBASE-PD20D for example refers to a 20km span.	SuggestedRemedy Change definitions of specific MAU types introduces by 802.3bk as follows: 1000BASE-PX30D One single-mode fiber OMP OLT 20km, at least 1:32 split PHY as specified in Clause 60 1000BASE-PX30U One single-mode fiber OMP ONU 20km, at least 1:32 split PHY as specified in Clause 60 1000BASE-PX40D One single-mode fiber OMP OLT 20km, at least 1:64 split PHY as specified in Clause 60 1000BASE-PX40U One single-mode fiber OMP ONU 20km, at least 1:64 split PHY as specified in Clause 60
The new aMAU have nomenclature 1000GBASE-PX30D and 1000GBASE-40D, however the span for both is 20 km. One might accidentally make the assumption that they refer to 30 km and 40km spans respectively.	Proposed Response Response Status O Cl 45 SC 45.2.1.78.4 P L # 45
Are 30 and 40 the best and most proper designators?	Wael William Diab Broadcom
This concern is purely cosmetic to the draft SuggestedRemedy	Comment Type TR Comment Status D This comment is based on the maintenance discussion in November to implement MR #1235 in the next balloted amendment which is P802.3bk. Request is to implement the MR.
Proposed Response Response Status O	SuggestedRemedy Please implement MR with the succgested change as suggested in http://www.ieee802.org/3/maint/requests/maint_1235.pdf
	Proposed Response Response Status O

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/45Page 2 of 23COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC45.15-01-2013 12:48:35SORT ORDER: Clause, Subclause, page, line

C/ 56 SC 56.1.3 P L # 997 John D'Ambrosia Dell	C/ 56 SC 56.1.3 P 21 L 5 # 17 Anslow, Pete Ciena
Comment TypeERComment StatusDAs the commenter looked at Clause 1.4 it was noted that the entry for 10GBASE-PR is simply noted as "Physical Layer specification for a 10 Gb/s (10/10G-EPON) point- tomultipointlink over one single-mode optical fiber." However, review of the text in 56.1.3 and Table 56-1 seems to indicate that it 10GBASE-PR is not a single specification, as there are a multitude of variants of the 10GBASE-PR. The definition needs to be modified to accurately reflect this issue.All Physical layer specification names should be cross-correlated to section 1.4 to ensure that accurate definitions have been provided.	Comment TypeEComment StatusDThe editing instruction says: "Change text in 56.1.3 as shown below," but only the third paragraph of 56.1.3 is shown.Likewise, the editing instruction on line 17 says "Change the text in 56.1.3" but only the lettered list in 56.1.3 is shown.SuggestedRemedy Change the editing instruction on line 5 to: "Change the third paragraph of 56.1.3 as follows,"
SuggestedRemedy Modify definition of 1.4.42 1.4.42 10GBASE-PR: IEEE 802.3 Physical Layer specification for a 10 Gb/s (10/10G- EPON) point-tomultipoint link over one single-mode optical fiber. NOTE—See IEEE Std 802.3 Clause 75, Clause 76, and Clause 77.	Change the editing instruction on line 17 to: "Change the lettered listing of power budgets supported by EPON in 56.1.3, adding description of PR40 and PRX40 power budgets in items d) and h) into the list as follows:" Proposed Response Response Status O
То	C/ 56 SC 56.1.3 P 23 L 13 # 18 Anslow, Pete Ciena
 1.4.42 10GBASE-PR: IEEE 802.3 Physical Layer specifications for a 10 Gb/s (10/10G-EPON) point-tomultipoint link over one single-mode optical fiber. NOTE—See Table 56-1, IEEE Std 802.3 Clause 75, Clause 76, and Clause 77. Review all PHY names in 802.3bk against Clause 1.4 to ensure that they are accurately described. 	Comment Type E Comment Status D In Table 56-1, the rows for 10PASS-TS-O and 2BASE-TL-O contain "10 Mb/s" and "2 Mb/s" respectively where the "Mb/s" is shown in underline font. However, this text has not been added by the 802.3bk amendment as implied by the underline font, but was incorrectly shown in underline font in the 802.3 revision document E 3.2. This error is being corrected in the published version of IEEE Std 802.3-2012, so please

Proposed Response Response Status 0

C/ 56 SC 56.1.3 P 21

Trowbridge, Steve Alcatel-Lucent

Comment Type E Comment Status D

Paragraph should be consistent with respect to using "PON" or spelling out "Passive Optical Networks"

SuggestedRemedy

Since the pre-existing text all spells out "Passive Optical Networks", the added text should do the same.

L 12

Proposed Response Response Status 0

SuggestedRemedy

As P802.3bk is an amendment to the published version of IEEE Std 802.3-2012, show these 2 instances of "Mb/s" in normal font.

Proposed Response Response Status 0

remove the underline in P802.3bk.

TYPE: TR/technical required ER/editorial required GR/general re	equired T/technical E/editorial G/general	
COMMENT STATUS: D/dispatched A/accepted R/rejected RE	ESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	
SORT ORDER: Clause, Subclause, page, line		

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Cl 56 SC 56.1.3 Page 3 of 23 15-01-2013 12:48:35

C/ 56 SC 56.1.3 Trowbridge, Steve	P 23 Alcatel-Lucent	L 33	# 38	C/ 56 SC Table Winkel, Ludwig	56-1 P 23 Siemens A0	L 19 G	# 9
Comment Type E 2nd line of the table -	Comment Status D right border line width should r	natch the rest c	of the table boundary.	Comment Type E The indexed foot no	Comment Status D tes should be part of the Table	e and not outside	the Table.
SuggestedRemedy Fix the line width on th	he right border.			SuggestedRemedy Move the Table foot	notes in a merged last line of	the Table.	
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 56 SC 56.1.3 Law, David	<i>Р</i> 29 НР	L 23	# 1014	<i>Cl</i> 60 <i>SC</i> 1 Remein, Duane	<i>Р</i> 25 Futurewei T	L 15 echnologie	# 1005
systems' to read 'Tab for P2P systems, whil clauses for P2MP sys '1000BASE-PX20-D' a 3 'Nomenclature and Based on this, the Cla	Comment Status D 09 changed the last paragraph le 56-2 specifies the correlation le Table 56-3 specifies the corr stems.', deleted the rows '1000 and '1000BASE-PX20-U' from clause correlation for P2MP sy ause 60 columns '1000BASE-F robably should have been dele	h between nome elation betweer BASE-PX10-D', Table 56-2 and stems'. VX10 PMD' and	enclature and clauses n nomenclature and , '1000BASE-PX10-U', inserted a new table 56- '1000BASE-PX20 PMD'	Comment Type E Change "the reach of SuggestedRemedy per comment Proposed Response	Comment Status D of" to "a reach of" in 2 places i Response Status O P 25	n the para (line 1:	5 & 17). # 1006
split the one table in t In addition two new C	to two, one for P2P, one for P2 Clause 60 columns '1000BASE- ed to Table 56-3 'Nomenclature	MP. PX30 PMD' and	d '1000BASE-PX40	Remein, Duane <i>Comment Type</i> E Change "This claus single-mode fiber m	Futurewei T <i>Comment Status</i> D e specifies the single-mode fik edium"	Ū	his clause specifies a
SuggestedRemedy				SuggestedRemedy			
PX40 PMD' that are e	new Clause 60 columns '1000E empty, for P2MP PMDs to a tab on between nomenclature and	le that the text	describes as '	per comment Proposed Response	Response Status O		
	lumns '1000BASE-PX10 PMD', DBASE-PX40 PMD' are deleted		K20 PMD', 1000BASE-				

[2] The title of Table 56-2 is changed to read 'Nomenclature and clause correlation for P2P systems'.

Proposed Response Response Status **O**

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C/ 60

SC 1

C/ 60 SC 1 P 26 L 13 # 1007	CI 60 SC 4A.1 P 28 L 9 # 1002
Remein, Duane Futurewei Technologie	Remein, Duane Futurewei Technologie
Comment Type E Comment Status D The table would be more readable if note "a" was referenced to the row header "Tr direction" rather than each entry of US/DS.	ansmit Comment Type TR Comment Status D Wavelength range is excessively broad, surely we can do a better job of conserving the limited resourse of Optical Spectrum than we coiuld accomplish 10 years ago
SuggestedRemedy	SuggestedRemedy
put note reference with "Transmit direction" and remove from "US" & "DS"	Change 1260-1360 to 1290-1330 (same as PRX40-U), remove rows as appropriate in
Proposed Response Response Status O	Table 60-8b and update Fig 60-4a as appropriate.
	Proposed Response Response Status O
C/ 60 SC 1.1 P 26 L 32 # 1000	
Remein, Duane Futurewei Technologie	C/ 60 SC 4b.1 P 31 L 19 # 5
Comment Type ER Comment Status D	Guohua, Kuang ZTE Corporation
As written this states all PMDs have objectives of "1000 Mb/s up to 20 km on one s mode fiber supporting a fiber split ratio of 1:64."	single- According to the minimum channel insertion loss for PX40 as 18 dB.
SuggestedRemedyReword para so objective for each PMD are clear.Proposed ResponseResponse StatusO	so we suggest to change US parameter of PX40 in Table 60-8e. at OLT side: (Rx) average receive power(max) from -8 dBm to -12 dBm Damage threshold (max) from -3 dBm to -6 dBm at ONU side: (Tx): Average launch power(max) from 7 dBm to 6 dBm now the mini CHIL for PX40 US = 6-(-12)= 18 dB is satisfied.
	SuggestedRemedy
C/ 60SC 1.4P 27L 14# 100'Remein, DuaneFuturewei Technologie	See 8023bk_1301_Kuang_1.pdf for details.
Comment Type E Comment Status D Seems like this entire table should be underlined.	Proposed Response Response Status O
SuggestedRemedy	C/ 60 SC 4b.2 P 32 L 14 # 3
underline entire table	Guohua, Kuang ZTE Corporation
Proposed Response Response Status O	Comment TypeTComment StatusDAccording to the minimum channel insertion loss for PX40 as 18 dB. so we suggest to change US parameter of PX40 in Table 60-8e. at OLT side: (Rx) average receive power(max) from -8 dBm to -12 dBm Damage threshold (max)Tom -3 dBm to -6 dBm at ONU side: (Tx): Average launch power(max) from 7 dBm to 6 dBm now the mini CHIL for PX40 US = 6-(-12)= 18 dB is satisfied.
	SuggestedRemedy
	Change Average receive power (max) for 1000BASE-PX40-D from "-8" to "-12" .
	See 8023bk_1301_Kuang_1.pdf for details.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/60Page 5 of 23COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC4b.215-01-2013 12:48:36SORT ORDER: Clause, Subclause, page, line

C/ 60 SC 4b.2 Guohua, Kuang	P 32 ZTE Corporat	<i>L</i> 15 ion	# 4	C/ 60 SC 60.1 Anslow, Pete	P 26 Ciena	L 12	# 20
Comment Type T According to the minir so we suggest to cha at OLT side: (Rx) ave Damage t at ONU side: (Tx): A now the mini CHIL for	Comment Status D mum channel insertion loss for inge US parameter of PX40 in grage receive power(max) from threshold (max) from -3 dBm verage launch power(max) fr r PX40 US = 6-(-12)= 18 dB is	r PX40 as 18 dB. Table 60-8e. 1 -8 dBm to -12 c 1 to -6 dBm om 7 dBm to 6	βBm	Comment Type E In Table 60-1: in the row "Transn "Downstream" has "DS" and "US" in Same issue in Tab	Comment Status D nit direction", "Upstream" has be s been changed to "DS" (2 instar underline font. The full versions	nces). However, should be shown	this is only shown with in strikethrough font.
SuggestedRemedy Change Damage thre See 8023bk_1301_Ku	shold (max) for 1000BASE-PX	(40-D from "-3" to	o "-6".	loss for a link is th was there as footr	ne difference between the maxim note c in the base version, so this	um and minimum	n channel insertion los
Proposed Response	Response Status O			SuggestedRemedy Show the deleted	"pstream" and "ownstream" in st	trikethrough font l	here and in Table 60-9
			"	Show the unchang	ged part of footnote d in normal f	ont.	
C/ 60 SC 5	P 33 Futurewei Teo	L7	# 1003	Proposed Response	Response Status O		
Comment Type E	Comment Status D ore readable if note "a" was re	Ū	able title rather than	C/ 60 SC 60.1 Law, David	<i>Р</i> 26 НР	L 7	# 990
Comment Type E The table would be me each entry of US/DS. SuggestedRemedy See Table 56-3 for an	Comment Status D	ferenced to theta	able title rather than	Law, David Comment Type E For consistency s it already is for PX	HP Comment Status D uggest that reference to IEC star		
Comment Type E The table would be me each entry of US/DS. SuggestedRemedy See Table 56-3 for an Proposed Response C/ 60 SC 60.1 Anslow, Pete	Comment Status D ore readable if note "a" was re example of how you've done Response Status O P 25 Ciena	ferenced to theta	able title rather than	Law, David Comment Type E For consistency s it already is for PX SuggestedRemedy	HP Comment Status D uggest that reference to IEC star	ndard be included	d for PX10 and PX20 a
Comment Type E The table would be me each entry of US/DS. SuggestedRemedy See Table 56-3 for an Proposed Response CI 60 SC 60.1 Anslow, Pete Comment Type E The text "This allows of fourth sentence of the	Comment Status D ore readable if note "a" was re example of how you've done Response Status O P 25 Ciena Comment Status D certain upgrade possibilities frr e second paragraph of 60.1 in to nissing from the D 2.0 amendr	ferenced to theta this before. <i>L</i> 35 om 10 km to 20 the base docume	# <u>19</u> km PONs." is the ent.	Law, David Comment Type E For consistency s it already is for P> SuggestedRemedy Chnage 'B1.1, B1 Proposed Response C/ 60 SC 60.1 Kramer, Glen Comment Type E	HP <i>Comment Status</i> D uggest that reference to IEC star (30 and PX40. .3 SMF' is changed to read 'IEC <i>Response Status</i> O <i>P</i> 26 Broadcom <i>Comment Status</i> D	ndard be included 60793–2 B1.1, B 	t for PX10 and PX20 a 1.3 SMF'. # <u>1039</u>
Comment Type E The table would be me each entry of US/DS. SuggestedRemedy See Table 56-3 for an Proposed Response C/ 60 SC 60.1 Anslow, Pete Comment Type E The text "This allows of fourth sentence of the However, this text is n then it must be shown SuggestedRemedy	Comment Status D ore readable if note "a" was re example of how you've done Response Status O P 25 Ciena Comment Status D certain upgrade possibilities frr e second paragraph of 60.1 in to nissing from the D 2.0 amendr	ferenced to theta this before. <i>L</i> 35 om 10 km to 20 the base docume ment. If it is prop	# <u>19</u> km PONs." is the ent.	Law, David Comment Type E For consistency s it already is for P> SuggestedRemedy Chnage 'B1.1, B1 Proposed Response C/ 60 SC 60.1 Kramer, Glen Comment Type E Fiber types are sp	HP <i>Comment Status</i> D uggest that reference to IEC star (30 and PX40. .3 SMF' is changed to read 'IEC <i>Response Status</i> O <i>P</i> 26 Broadcom	ndard be included 60793–2 B1.1, B <i>L</i> 7) columns and P>	t for PX10 and PX20 a 1.3 SMF'. # <u>1039</u> (30/PX40 columns. In
The table would be me each entry of US/DS. SuggestedRemedy See Table 56-3 for an Proposed Response C/ 60 SC 60.1 Anslow, Pete Comment Type E The text "This allows of fourth sentence of the However, this text is n then it must be shown SuggestedRemedy	Comment Status D ore readable if note "a" was re example of how you've done Response Status O P25 Ciena Comment Status D certain upgrade possibilities frr e second paragraph of 60.1 in t nissing from the D 2.0 amendr in strikethrough font.	ferenced to theta this before. <i>L</i> 35 om 10 km to 20 the base docume ment. If it is prop	# <u>19</u> km PONs." is the ent.	Law, David Comment Type E For consistency s it already is for PX SuggestedRemedy Chnage 'B1.1, B1 Proposed Response C/ 60 SC 60.1 Kramer, Glen Comment Type E Fiber types are sp one case "IEC 60" other. SuggestedRemedy	HP <i>Comment Status</i> D uggest that reference to IEC star (30 and PX40. .3 SMF' is changed to read 'IEC <i>Response Status</i> O <i>P</i> 26 Broadcom <i>Comment Status</i> D pecified differently for PX10/PX20	ndard be included 60793–2 B1.1, B <i>L</i> 7) columns and P>	t for PX10 and PX20 a 1.3 SMF'. # <u>1039</u> (30/PX40 columns. In

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/60Page 6 of 23COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC60.115-01-2013 12:48:36SORT ORDER: Clause, Subclause, page, line

C/ 60 SC 60.10 Ganga, Ilango	0.3 P 38 Intel	L 11	# 1033	<i>Cl</i> 60 Law, David	SC 60.10.3	<i>Р</i> 38 НР	L 20	# 1024
Comment Type E	Comment Status D			Comment 1	ype T	Comment Status D		
Add missing cross-	references to 60.3 and 60.4 in t	able rows 2 to 5.		Items F	X30U and PX30D	have exactly the same	e feature, that is '100	0BASE-PX30-D or
uggestedRemedy As per comment				the san betwee	ne Value/Comment n the two items. In	t, that is 'Device suppo addition the '1000BAS	orts 20 km', hence th SE-PX30-U' and '100	0.4a, and have exactly here is no difference 00BASE-PX30-D PMD'
roposed Response	Response Status O			are not	listed anywhere in	the Major capabilities	options table.	
				60.10.4 seem th feature see sub therefo	.5b 'PMD to MDI o nat '1000BASE-PX column. Similarly F oclause 60.10.4.5a		r 1000BASE-PX30-I SE-PX30-D' should licate 1000BASE-PX pecifications for 100	U', therefore it would appear in the PX30U (30-D PMD features,
				items for	ound in IEEE Std 8			e, including the existing atus O/1 in the table in
				Suggestedl	Remedy			
				In subc	lause 60.10.3 'Majo	or capabilities/options'	:	
						000BASE-PX10-D or 00BASE-PX10-U PMI		PMD' to read
				[2] Item	PX10D, change '1	000BASE-PX10-D or 00BASE-PX10-D PMI	1000BASE-PX10-U	PMD' to read
						000BASE-PX20-D or 00BASE-PX20-U PMI		PMD' to read
						000BASE-PX20-D or 00BASE-PX20-D PMI		PMD' to read
						000BASE-PX30-D or		PMD' to read
				[6] Item	PX30D, change '1	00BASE-PX30-U PME 000BASE-PX30-D or	1000BASE-PX30-U	PMD' to read
				[7] Item	PX40U, change '1	00BASE-PX30-D PME 000BASE-PX40-D or	1000BASE-PX40-U	PMD' to read
				[8] Item	PX40D, change '1	00BASE-PX40-U PME 000BASE-PX40-D or 00BASE-PX40-D PME	1000BASE-PX40-U	PMD' to read
				In subc	lause 75.10.3 'Majo	or capabilities/options'	:	
				PR-U1 [2] Item	or 10GBASE-PR-L PR10D, change '1	J1 PMD'. I0GBASE-PR-D1 or 1		ID' to read '10GBASE- ID' to read '10GBASE-
					or 10GBASE-PR-D PR20D, change '1		0GBASE-PR-U1 PM	ID' to read '10GBASE-
COMMENT STATUS: [quired ER/editorial required GR D/dispatched A/accepted R/reje	J .		/general	-	CI	60 60.10.3	Page 7 of 23 15-01-2013 12:4

COMMENT STATUS: D/dispatched A/accepted SORT ORDER: Clause, Subclause, page, line

PR-D2 or 10GBASE-PR-D2 PMD'.

[4] Item PR30U, change '10GBASE-PR-D3 or 10GBASE-PR-U3 PMD' to read '10GBASE-PR-U3 or 10GBASE-PR-U3 PMD'.

[5] Item PR30D, change '10GBASE-PR-D3 or 10GBASE-PR-U3 PMD' to read '10GBASE-PR-D3 or 10GBASE-PR-D3 PMD'.

[6] Item PR40U, change '10GBASE-PR-D4 or 10GBASE-PR-U4 PMD' to read '10GBASE-PR-U4 or 10GBASE-PR-U4 PMD'.

[7] Item PR40D, change '10GBASE-PR-D4 or 10GBASE-PR-U4 PMD' to read '10GBASE-PR-D4 or 10GBASE-PR-D4 PMD'.

[8] Item PRX10U, change '10/1GBASE-PRX-D1 or 10/1GBASE-PRX-U1 PMD' to read '10/1GBASE-PRX-U1 or 10/1GBASE-PRX-U1 PMD'.

[9] Item PRX10D, change '10/1GBASE-PRX-D1 or 10/1GBASE-PRX-U1 PMD' to read '10/1GBASE-PRX-D1 or 10/1GBASE-PRX-D1 PMD'.

[10] Item PRX20U, change '10/1GBASE-PRX-D2 or 10/1GBASE-PRX-U2 PMD' to read '10/1GBASE-PRX-U2 or 10/1GBASE-PRX-U2 PMD'.

[11] Item PRX20D, change '10/1GBASE-PRX-D2 or 10/1GBASE-PRX-U2 PMD' to read '10/1GBASE-PRX-D2 or 10/1GBASE-PRX-D2 PMD'.

[12] Item PRX30U, change '10/1GBASE-PRX-D3 or 10/1GBASE-PRX-U3 PMD' to read '10/1GBASE-PRX-U3 or 10/1GBASE-PRX-U3 PMD'.

[13] Item PRX30D, change '10/1GBASE-PRX-D3 or 10/1GBASE-PRX-U3 PMD' to read '10/1GBASE-PRX-D3 or 10/1GBASE-PRX-D3 PMD'.

[14] Item PRX40U, change '10/1GBASE-PRX-D4 or 10/1GBASE-PRX-U4 PMD' to read '10/1GBASE-PRX-U4 or 10/1GBASE-PRX-U4 PMD'.

[15] Item PRX40D, change '10/1GBASE-PRX-D4 or 10/1GBASE-PRX-U4 PMD' to read '10/1GBASE-PRX-D4 or 10/1GBASE-PRX-D4 PMD'.

[16] Item PR20U should be deleted as there is no such PHY/PMD as 10GBASE-PR-U2.

Proposed Response	Response Status	0
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CI 60	SC 60.10.4.5d	P 40	L 8	# 1016
Law, David		HP		

Comment Type T Comment Status D

Shouldn't the feature for Item 'PX40U2' be '1000BASE-PX40-U receiver' (not 1000BASE-PX40-D) since subclause 60.10.4.5d is titled 'PMD to MDI optical specifications for 1000BASE-PX40-U' and Table 60-8e reference in the value/comment is '... 1000BASE-PX40-U receive characteristics'.

SuggestedRemedy

Change '1000BASE-PX40-D receiver' to read '1000BASE-PX40-U receiver'.

Proposed Response Response Status **O**

C/ 60	SC 60.4a.1	P 27	L 53	# 99	94
Law, David		HP			

Comment Type **T** Comment Status **D**

The text in subclause 60.4a.1 'Transmitter optical specifications' states that 'The 1000BASE-PX30-D and 1000BASE-PX30-U transmitter's signaling speed, operating wavelength, spectral width, average launch power, extinction ratio, return loss tolerance, OMA, eye and TDP shall meet the specifications defined in Table 60-8a ...' and that 'Its RIN15 OMA should meet the value listed in Table 60-8a ...'. I read this to state that the signaling speed, operating wavelength, spectral width, average launch power, extinction ratio, return loss tolerance, OMA, eye and TDP values in Table 60-8a are normative, and that the RIN15 OMA value is recommended.

Looking at Table 60-8a there appeared to be a number of other parameters not covered by the text of subclause 60.4a.1, these are Ton, Toff, Optical return loss of ODN and Transmitter reflectance. However the PICS in subclause 60.10.4.5a 'PMD to MDI optical specifications for 1000BASE-PX30-D' item 'PX30D1', '1000BASE-PX30-D transmitter' has a Value/Comment that reads 'Meets specifications in Table 60-8a' and a status of 'PX30D:M' which implies all the specifications in Table 60-8a have to be met and are therefore normative.

SuggestedRemedy

[1] Add text to subclause 60.4a.1 that makes it clear if Ton, Toff, Optical return loss of ODN and Transmitter reflectance are normative as well. I would suggest the best approach would be to state that the specification in Table 60-8a are normative for a 1000BASE-PX30 transmitter with the exception of a list of items that are just recommendations, such as RIN15 OMA, rather than separate lists of normative requirements and exceptions which risks an item being missed off.

[2] The PICS should be updated so that items in Table 60-8a that are recommendations, and therefore are not normative, such as RIN15 OMA, are marked with a status of O rather than M. Assuming that RIN15 OMA is the only non-normative item in Table 60-8a the items would be:

C/ 60

60.10.4.5a PMD to MDI optical specifications for 1000BASE-PX30-D

Item: PX30D1 Feature: 1000BASE-PX30-D transmitter Subclause: 60.4a.1 Value/Comment: Meets normative specifications in Table 60-8a Status: PX30D:M Support: Yes [] N/A []

Item: PX30D2 Feature: 1000BASE-PX30-D transmitter RIN15 OMA Subclause: 60.4a.1 Value/Comment: Meets the RIN15 OMA specification in Table 60-8a Status: PX30D:O Support: Yes [] No [] N/A []

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 60.4a.1 SORT ORDER: Clause, Subclause, page, line

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Renumber subsequent PICS items as required.	C/ 60 SC 60.4a.1 P 28 L 38 # 21 Anslow, Pete Ciena				
Subclause 60.10.4.5b PMD to MDI optical specifications for 1000BASE-PX30-U Item: PX30U1 Feature: 1000BASE-PX30-U transmitter Subclause: 60.4a.1 Value/Comment: Meets normative specifications in Table 60-8a Status: PX30U:M Support: Yes [] N/A []	Comment Type E Comment Status D Table 60-8b is not formatted as per usual IEEE documents. The first row only should be a heading row in bold font with a thicker line underneath i (Thin rather than Very Thin). The remaining rows should be non bold. Where the table splits across pages, the "bottom ruling" should be there on the first per under the first per under the first per the first per under the first per the first per under the first per the fi				
Item: PX30U2 Feature: 1000BASE-PX30-U transmitter RIN15 OMA Subclause: 60.4a.1	and the title should have "(continued)" after it on the second page. Remove the blank row - change the ruling thickness between rows to provide a separat SuggestedRemedy				
Value/Comment: Meets the RIN15 OMA specification in Table 60-8a Status: PX30U:O Support: Yes [] No [] N/A [] Renumber subsequent PICS items as required. Proposed Response Response Status 0	Configure the table to have 1 "heading row" and the rest "body rows". Uncheck "Draw Bottom Ruling on Last Sheet Only" in Table designer. Place the cursor at the end of table title on first page. Click on the Variables tab (bottom left of the editing window). Highlight the "Table Continuation" variable and click on the Insert icon. This will add the (continued) on subsequent pages. Remove the blank row - change the ruling thickness between rows to provide a separato <i>Proposed Response</i> Response Status O				
C/ 60 SC 60.4a.1 P 28 L 22 # 1032 Ganga, Ilango Intel	Proposed Response Response Status O				
Comment Type E Comment Status D In Tables 60-8a c, d and e, abbreviation N.A. is used for not applicable whereas most of the document uses N/A to indicate not applicable. Change to N/A for consistency. SuggestedRemedy					
As per comment Proposed Response Response Status O					
C/ 60 SC 60.4a.1 P 28 L 38 # 13 Mark, Laubach Broadcom Corporation					
Comment Type E Comment Status D					

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

Should Table 60-8b and Figure 60-4a agree on use of "-U" in title?

Response Status 0

Proposed Response

C/ 60 SC 60.4a.1 Page 9 of 23 15-01-2013 12:48:36

C/ 60	SC 60.4b.1	P 31	L 5	# 995
Law, David		HP		

Comment Type T Comment Status D

The text in subclause 60.4b.1 'Transmitter optical specifications' states that transmitter's signaling speed, operating wavelength, Side Mode Suppression Ratio (min), average launch power, extinction ratio, return loss tolerance, OMA, eye and TDP shall meet the specifications defined in Table 60-8d ...' and that 'Its RIN15 OMA should meet the value listed in Table 60-8d ...'. I read this to state that the signaling speed, operating wavelength, Side Mode Suppression Ratio (min), average launch power, extinction ratio, return loss tolerance, OMA, eye and TDP values in Table 60-8d are normative, and that the RIN15 OMA value is recommended.

Looking at Table 60-8d there appeared to be a number of other parameters not covered by the text of subclause 60.4b.1, these are Ton, Toff, Optical return loss of ODN and Transmitter reflectance. However the PICS in subclause 60.10.4.5c 'PMD to MDI optical specifications for 1000BASE-PX40-D' item 'PX40D1', '1000BASE-PX40-D transmitter' has a Value/Comment that reads 'Meets specifications in Table 60-8d' and a status of 'PX40D:M' which implies all the specifications in Table 60-8d have to be met and are therefore normative.

A similar

SuggestedRemedy

[1] Add text to subclause 60.4b.1 that makes it clear if Ton, Toff, Optical return loss of ODN and Transmitter reflectance are normative as well. I would suggest the best approach would be to state that the specification in Table 60-8d are normative for a 1000BASE-PX40 transmitter with the exception of a list of items that are just recommendations, such as RIN15 OMA, rather than separate lists of normative requirements and exceptions which risks an item being missed off.

[2] The PICS should be updated so that items in Table 60-8d that are recommendations, and therefore are not normative, such as RIN15 OMA, are marked with a status of O rather than M. Assuming that RIN15 OMA is the only non-normative item in Table 60-8a the items would be:

Subclause 60.10.4.5c PMD to MDI optical specifications for 1000BASE-PX40-D

Item: PX40D1 Feature: 1000BASE-PX40-D transmitter Subclause: 60.4b.1 Value/Comment: Meets normative specifications in Table 60-8d Status: PX40D:M Support: Yes [] N/A []

Item: PX40D2 Feature: 1000BASE-PX40-D transmitter RIN15 OMA Subclause: 60.4b.1 Value/Comment: Meets the RIN15 OMA specification in Table 60-8d

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 60 SC 60.4b.1 Page 10 of 23 15-01-2013 12:48:36

Status: PX40D:O Support: Yes [] No [] N/A []

Renumber subsequent PICS items as required.

Subclause 60.10.4.5d PMD to MDI optical specifications for 1000BASE-PX40-U

Item: PX40U1 Feature: 1000BASE-PX40-U transmitter Subclause: 60.4b.1 Value/Comment: Meets normative specifications in Table 60-8d Status: PX40U:M Support: Yes [] N/A []

Item: PX40U2 Feature: 1000BASE-PX40-U transmitter RIN15 OMA Subclause: 60.4b.1 Value/Comment: Meets the RIN15 OMA specification in Table 60-8d Status: PX40U:O Support: Yes [] No [] N/A []

Renumber subsequent PICS items as required.

Proposed Response Response Status O

C/ 60	SC 60.4b.2	P 31	L 44	# 991	CI
Law, David	l	HP			Ans

Comment Type E Comment Status D

Subclause 60.4b.2 'Receiver optical specifications' states that 'The 1000BASE-PX40-D and 1000BASE-PX40-U receiver's signaling speed, operating wavelength, overload, sensitivity, reflectance and signal detect shall meet the specifications defined in Table 60-8e ...' and that 'Its stressed receive characteristics should meet the values listed in Table 60-8e ...' yet footnote b (a footnote to a table is normative) states 'The stressed receiver sensitivity is mandatory' and footnote c states 'Vertical eye closure penalty and the jitter specifications are test conditions for measuring stressed receiver sensitivity. They are not required characteristics of the receiver.'

Rather than this mix of text and footnotes, with for example footnote b calling out an item as normative that the text states is a recommended value, I suggest that it would be clearer to state that the specification in Table 60-8e are normative for a 1000BASE-PX40 receiver with the exception of a list of items that are just recommendations, and items that are just test conditions.

SuggestedRemedy

[1] Change subclause 60.4b.2 to read 'The 1000BASE-PX40-D and 1000BASE-PX40-U receiver shall meet the specifications defined in Table 60-8e per measurement techniques defined in 60.7.10 with the following exceptions. The Stressed receive sensitivity OMA (max) should meet the value listed in Table 60-8e per measurement techniques described in 60.7.11. Either the damage threshold included in Table 60-8e shall be met, or, the receiver shall be labeled to indicate the maximum optical input power level to which it can be continuously exposed without damage. The vertical eye-closure penalty, the stressed eye jitter, the jitter corner frequency and the sinusoidal jitter limits are test conditions for measuring stressed receiver sensitivity and are not required characteristics of the receiver.'.

[2] Delete footnote b and c.

[3] Make similar changes to subclause 60.4a.2

Proposed Response Response Status O

CI 60	SC 60.4b.2	P 32	L 35	# 22
Anslow, P	ete	Ciena		
Comment Type E In the bottom row of Tab		<i>Comment Status</i> D ble 60-8e "(0.05,0.15)" is m	issing a space (2	instances).
Chan "(0.05	dRemedy ge: 5,0.15)" to: 5, 0.15)" in two pla	ices.		
Proposed	Response	Response Status O		
CI 60	SC 60.5	P 32	L 47	# 983
Booth, Bra	ad	Dell		
Commont		Comment Status D		
Subcl applic Suggeste	ause heading doe able to all ports ir dRemedy	Comment Status D es not need to contain the na n the Clause heading. ative channels and penalties		ts if the section is
Subcl applic Suggester Short	ause heading doe able to all ports ir dRemedy	es not need to contain the na n the Clause heading.		ts if the section is
Subcl applic Suggeste Short Proposed Cl 60	ause heading doe able to all ports in <i>dRemedy</i> en to read "Illustra" <i>Response</i> SC 60.5	es not need to contain the na n the Clause heading. ative channels and penalties		ts if the section is # <u>984</u>
Subcl applic Suggeste Short Proposed Cl 60 Booth, Bra Comment	ause heading doe aable to all ports in <i>dRemedy</i> en to read "Illustra <i>Response</i> SC 60.5 ad : <i>Type</i> E	es not need to contain the na the Clause heading. ative channels and penalties <i>Response Status</i> 0 <i>P</i> 33	(informative)".	
applic Suggester Short Proposed Cl 60 Booth, Bra Comment Table Suggester	ause heading doe able to all ports in <i>dRemedy</i> en to read "Illustra <i>Response</i> <i>SC</i> 60.5 ad <i>Type</i> E heading does no <i>dRemedy</i>	es not need to contain the na in the Clause heading. ative channels and penalties <i>Response Status</i> O <i>P</i> 33 Dell <i>Comment Status</i> D	L 1	# <mark>984</mark>

C/ 60 SC 60.5

C/ 60 SC 60.5 Booth, Brad	<i>P</i> 33 Dell	L 7	# 985	C/ 60 SC 60.6 Booth, Brad	P 34 Dell	<i>L</i> 1	# 987
nomenclature? My u Upstream and Down confusion. SuggestedRemedy Change US and DS	Comment Status D OS used in the table different the inderstanding is that U and D in istream, respectively. Creating is	the port nomeno new terms US ar	clature stand for	Tables 60-10 and 60-11 do SuggestedRemedy Change Table 60-10 headin 11 heading to be "Upstream	g to be "Downstream jit	ter budget (inforn	Ū
Proposed Response	Response Status 0			C/ 60 SC 60.7.11 Anslow, Pete	<i>P</i> 35 Ciena	L 20	# 25
C/ 60 SC 60.5 Law, David	<i>Р</i> 33 НР	L 9	# 1009		omment Status D		
B1.1, B1.3 SMF. SuggestedRemedy	Comment Status D Table 60-1, suggest that refere SMF' is changed to read 'IEC 6			sentence of 60.7.11 is show SuggestedRemedy Change editing instruction to "Change the last sentence of	o: of 60.7.11 as follows:"		
Proposed Response	Response Status O			or show all of the text in 60. Proposed Response Re	7.11 psponse Status O		
C/ 60 SC 60.6 Booth, Brad	<i>P</i> 33 Dell	L 36	# <u>9</u> 86	C/ 60 SC 60.7.13.1.1 Anslow, Pete	P 35 Ciena	L 45	# 26
SuggestedRemedy	Comment Status D does not need to contain all por er at TP1-4 (informative)". Response Status O	t names.		Comment Type E C The editing instruction ment SuggestedRemedy To make this clear, change "Change text in 60.7.13.1.1	omment Status D ions the text but not the editing instruction to:	J. J	ws:"

C/ 60 SC 60.7.13.1.1

Trowbridge, Steve A	P 35 Icatel-Lucent	L 49	# 40	<i>CI</i> 60 Hajduczeni	SC 60.7.2 a. Marek	l ZT	E Corporatior	L	# 43
Comment Type E Comment Sta				Comment 7		Comment Stat			
Very strange phrasing for a definition, w the first word. Also, other timer values ir	which should not the clause of	en use a subsc	cripted word after "T"	For the	1000BASE-PX	(30-D and 1000BA)	SE-PX30-U li	nks, the valu	e of the chromatic
to make it look less like a word ("Ton" a paragraphs for Toff and Treceiver settli		word). Same fo	or 2 following	Suggested	Remedy				
SuggestedRemedy									0(1-0.5*(pi*B*D)^2), wing limiting values
Better phrasing would be: T <subscript>on</subscript> is the time "denoted", T <subscript>on</subscript> is denoted I prefer the former. Proposed Response Response Sta	as the time"	ı", or if you re	eally like the word	should maximu for eps for eps for eps Curren	be used for 14 um: lon = 0.115 for lon = 0.100 for lon = 0.080 for t limits for epsil	90 nm transmission wavelength 1490n wavelength 1490n wavelength 1490n on 0.115 is set to 2	m: 1.85 dB (1 m: 1.39 dB (2 m: 0.89 dB (2 dB, for epsilo	where dispe 10 km) 20 km) 20 km)	
				,		be set to at least 0.			
C/ 60 SC 60.7.13.2.1	P 36	L 13	# 1011	Proposed F	Response	Response Statu	is O		
Law, David			"	C/ 60	SC 60.7.2		⊃34	L 41	# 23
Comment Type E Comment Sta	atus D			Anslow, Pe		r Cie	-	L 4 I	# 23
Looking at subclause 60.7.13.2.1 'Defin 'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II	is subscripted	- it appears that			iting instruction	Comment State says "Change the are shown as chang	text in 60.7.2	as follows:"	but only the last two
'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II	is subscripted EEE P802.3bk , the text 'recei	- it appears tha draft. ver_settling' in '	t the subscripted has 'Treceiver_settling'	The ed paragra <i>Suggested</i> Chango	iting instruction aphs of 60.7.2 a <i>Remedy</i> e editing instruc	says "Change the are shown as chang	text in 60.7.2 ged.		but only the last two
 'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II SuggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhere 802.3-2012. 	is subscripted EEE P802.3bk , the text 'recei ere to restore it	- it appears tha draft. ver_settling' in '	t the subscripted has 'Treceiver_settling'	The ed paragra <i>Suggested</i> Chango	iting instruction aphs of 60.7.2 a <i>Remedy</i> e editing instruc ge the last two p	says "Change the are shown as chang ption to:	text in 60.7.2 ged. 2 as follows:"		but only the last two
 'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II SuggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhere 802.3-2012. Proposed Response Response State C/ 60 SC 60.7.13.2.2 	is subscripted EEE P802.3bk , the text 'recei ere to restore it <i>tus</i> O	- it appears tha draft. ver_settling' in '	t the subscripted has 'Treceiver_settling'	The ed paragra Suggested Chang "Chang Proposed F C/ 60	iting instruction aphs of 60.7.2 a <i>Remedy</i> e editing instruction ge the last two p <i>Response</i> SC 60.7.2	says "Change the are shown as change ction to: baragraphs of 60.7. <i>Response Statu</i>	text in 60.7.2 ged. 2 as follows:" <i>us</i> 0	L 45	but only the last two
'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II suggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhere 802.3-2012. Broposed Response Response State Contemposities of the set of	is subscripted EEE P802.3bk , the text 'recei ere to restore it <i>tus</i> 0 <i>P</i> 36 iena	- it appears tha draft. ver_settling' in ' to how it is put	t the subscripted has 'Treceiver_settling' blished in IEEE Std	The ed paragra Suggested Chang "Chang Proposed F Cl 60 Hajduczeni	iting instruction aphs of 60.7.2 a Remedy e editing instruc- ge the last two p Response SC 60.7.2 a, Marek	says "Change the are shown as change botton to: baragraphs of 60.7. Response Statu F ZT	text in 60.7.2 ged. 2 as follows:" /s O 34 E Corporation	L 45	
'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II SuggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhere 802.3-2012. Proposed Response Response State C/ 60 SC 60.7.13.2.2 unslow, Pete C	is subscripted EEE P802.3bk , the text 'recei ere to restore it <i>tus</i> O <i>P</i> 36 iena atus D	- it appears tha draft. ver_settling' in ' to how it is put	t the subscripted has 'Treceiver_settling' blished in IEEE Std # 27	The ed paragra Suggested Chang "Chang Proposed F Cl 60 Hajduczeni Comment T	iting instruction aphs of 60.7.2 a Remedy e editing instruc- ge the last two p Response SC 60.7.2 a, Marek	says "Change the are shown as change betion to: baragraphs of 60.7. <i>Response Statu</i> <i>I</i> <i>ZT</i> <i>Comment Statu</i> in line 45 is bolded	text in 60.7.2 ged. 2 as follows:" <i>Is</i> O 34 E Corporation <i>us</i> D	L 45	
 'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II SuggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhere 802.3-2012. Proposed Response Response State Comment Type E Comment State The editing instruction says "Change the paragraph of 60.7.13.2.2 is shown. 	is subscripted EEE P802.3bk , the text 'recei ere to restore it <i>tus</i> O <i>P</i> 36 iena atus D	- it appears tha draft. ver_settling' in ' to how it is put	t the subscripted has 'Treceiver_settling' blished in IEEE Std # 27	The ed paragra Suggested Chang "Chang Proposed F Cl 60 Hajduczeni Comment T	iting instruction aphs of 60.7.2 a Remedy e editing instruc- ge the last two p Response SC 60.7.2 a, Marek Type E psylon" symbol I. Same in line 4	says "Change the are shown as change betion to: baragraphs of 60.7. <i>Response Statu</i> <i>I</i> <i>ZT</i> <i>Comment Statu</i> in line 45 is bolded	text in 60.7.2 ged. 2 as follows:" <i>Is</i> O 34 E Corporation <i>us</i> D	L 45	# [42
'receiver_settling' in 'Treceiver_settling' been lost in transferring the text to the II SuggestedRemedy While this is marked as unchanged text should be subscripted here and elsewhe 802.3-2012. Proposed Response Response State Cl 60 SC 60.7.13.2.2 Anslow, Pete C Comment Type E Comment State The editing instruction says "Change the	is subscripted EEE P802.3bk , the text 'recei ere to restore it <i>tus</i> O <i>P</i> 36 iena <i>htus</i> D e text in 60.7.1	- it appears tha draft. ver_settling' in ' to how it is put	t the subscripted has 'Treceiver_settling' blished in IEEE Std # 27	The ed paragra Suggested/ Chang "Chang Proposed F C/ 60 Hajduczeni Comment T The "ej symbol	iting instruction aphs of 60.7.2 a Remedy e editing instruc- ge the last two p Response SC 60.7.2 a, Marek Type E osylon" symbol Same in line 4 Remedy	says "Change the are shown as change betion to: baragraphs of 60.7. <i>Response Statu</i> <i>I</i> <i>ZT</i> <i>Comment Statu</i> in line 45 is bolded	text in 60.7.2 ged. 2 as follows:" <i>Is</i> O 34 E Corporation <i>us</i> D I for some rea	L 45	# [42

C/ 60 SC 60.7.2 Law, David	<i>Р</i> 35 НР	L 1	# 1008	C/ 60 SC 60.7.2 Tim Brophy	P 35 Cisco system	L 6 s	# 998
Comment Type E The editors note is no SuggestedRemedy Update to correct form Proposed Response	Comment Status D of in the correct format. nat - see page 3, line 3 throug Response Status O	h 11 for an exan	iple.	widths that are inforn quantitative value he SuggestedRemedy	Comment Status D ne expected dispersion penalty; native values only (from table 6 ore, or how it is obtained.	0-8b) I am unce	ertain how to put a
					sions and fill in the number	innes 9 & 10 m	The same section for
C/ 60 SC 60.7.2 Law, David	<i>Р</i> 35 НР	L 4	# 1010	Proposed Response	Response Status O		
00	Comment Status D 1000BASE-PX30-D and 1000 1000BASE-PX30 links' to n			C/ 60 SC 60.7.2 Ran, Adee	P 35 Intel	L 6	# 2
See comment.	Response Status O			Comment Type TR "chromatic dispersio SuggestedRemedy Change TBD to an a Proposed Response		ow TBD dB"	
Proposed Response Cl 60 SC 60.7.2 Trowbridge, Steve Comment Type E Better to refer to the c the structure of that ta SuggestedRemedy		L 5 nt 'middle column"	# 39	"chromatic dispersion SuggestedRemedy Change TBD to an a Proposed Response C/ 60 SC 60.7.2 Moore, Charles Comment Type TR I cannot vote for this	n penalty is expected to be belo	L 6 ologies te, expected ch	# 999 romatic dispersion

C/ 60 SC 60.7.2

Cl 60 SC 60.7.2 Anslow, Pete	P 35 Ciena	L 6	# 24	C/ 60 SC 60.7.2 Powell, Bill	P 35 Alcatel-Lucent	L 6	# 6
	Comment Status D matic dispersion penalty is ex e changed to a number	pected to be bel	ow TBD dB"	Comment Type E Con Need to specify a value for "Th SuggestedRemedy	nment Status D 3D" chromatic dispers	ion	
Replace the "TBD" wit Proposed Response	h an appropriate value. Response Status O			Proposed Response Resp	oonse Status O		
C/ 60 SC 60.7.2	P 35	L6	# [7]	C/ 60 SC 60.8.2 Anslow, Pete	Р 36 Ciena	L 31	# 28
Slavick, Jeff <i>Comment Type</i> TR TBD needs to be repla	Avago Techr Comment Status D aced with a vlue.	lologies		Comment Type E Con The editing instruction says "C of 60.8.2 is shown.	nment Status D Change text in 60.8.2 a	s follows:" but o	nly the first paragraph
SuggestedRemedy Proposed Response	Response Status O			SuggestedRemedy Change editing instruction to: "Change the first paragraph of	60.8.2 as follows:"		
Toposed Response				Proposed Response Resp	oonse Status O		
C/ 60 SC 60.7.2 Law, David	<i>Р</i> 35 НР	L 6	# 996	C/ 60 SC 60.9.2 Law, David	<i>Р</i> 36 НР	L 46	# 1012
Comment Type TR The text reads ' the '. SuggestedRemedy Replace the TBD with	Comment Status D chromatic dispersion penalty a value.	is expected to be	e below TBD dB when	Existing text in this subclause (dispersion un-shifted single-n ' yet new text reads ' IEC 6 B1.3 (low water peak SMF), IT	node fiber) and Type E 60793-2 Type B1.1 (dis 'U-T G.652 and ITU-T	31.3 (low water p spersion un-shift G.657 (bend-ins	eak single-mode fiber) ed SMF) and Type sensitive SMF)'
Proposed Response	Response Status 0			hence in some cases 'single-r SuggestedRemedy Consistently use either 'single		I in some cases	'SMF' is used.
				Proposed Response Resp			

C/ 60 SC 60.9.2

C/ 60 SC 60.9.2	<i>Р</i> 36 НР	L 50	# 1013	C/ 60 SC 60.9.3 Kramer, Glen	P 37 Broadcom	L 3	# 1040
.aw, David							
omment Type E	Comment Status D			Comment Type E	Comment Status D	the state of the late	ale and the sector for the
Туро.					ements, such as a shorter link 2X20, 1000BASE-PX30, and 1		
uggestedRemedy	• • • • • • • • • • • • • • • • • • •				Table 60–1 are met", why is 10		
	C 60793–2 Type B1.1 (dispers , ITU–T G.652 and ITU–T G.6			SuggestedRemedy			
Type B1.1 (dispersion	i un–shifted SMF), Type B1.3 first and replaced with a comr	(low water peak \$			s are possible for 1000BASE- ents are not possible for this P		e. Otherwise, explain
Proposed Response	Response Status O			Proposed Response	Response Status O		
60 SC 60.9.2	P 36	L 5 1	# 1015	C/ 60 SC 60.9.4	P 37	L 6	# 30
aw, David	HP			Anslow, Pete	Ciena		
omment Type T	Comment Status D			Comment Type E	Comment Status D		
	h of subclause 60.9.2 states ^{'"} 1000BASE-PX40 are satisfie			The editing instructio paragraph of 60.9.4 a	n says "Change text in 60.9.4 are shown.	as follows:" but	only the first and third
requirements of Table	75-14 where they differ.' how	ever subclause 6	0.4a states 'A	SuggestedRemedy			
				Suggesteurkenneuy			
1000BASE-PX30 com	pliant transceiver supports all	l media types liste	ed in Table 60-14'	Show all of the text of	of 60.9.4		
1000BASE-PX30 com	npliant transceiver supports all states 'A 1000BASE-PX40 co	l media types liste	ed in Table 60-14'	,	f 60.9.4 Response Status O		
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal	npliant transceiver supports all states 'A 1000BASE-PX40 co	l media types liste mpliant transceiv	ed in Table 60-14' er supports all media	Show all of the text o Proposed Response	Response Status O		
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a an	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2	l media types liste mpliant transceiv	ed in Table 60-14' er supports all media	Show all of the text of Proposed Response	Response Status O 60-8b P 28	L 44	# [11
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2	I media types liste mpliant transceiv correct, or should	ed in Table 60-14' er supports all media d it be to Table 60-14	Show all of the text of Proposed Response	Response Status O 60-8b P 28 Siemens AG		# [11
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar uggestedRemedy Change ' of Table 7	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate?	I media types liste mpliant transceiv correct, or should	ed in Table 60-14' er supports all media d it be to Table 60-14	Show all of the text of Proposed Response	Response Status O 60-8b P 28 Siemens AG Comment Status D		# [11
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a an uggestedRemedy Change ' of Table 7	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read '	I media types liste mpliant transceiv correct, or should	ed in Table 60-14' er supports all media d it be to Table 60-14	Show all of the text of Proposed Response Cl 60 SC Table 6 Winkel, Ludwig Comment Type E	Response Status O 60-8b P 28 Siemens AG Comment Status D		# [<u>11</u>
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar uggestedRemedy Change ' of Table 7s roposed Response	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read '	I media types liste mpliant transceiv correct, or should	ed in Table 60-14' er supports all media d it be to Table 60-14	Show all of the text of Proposed Response Cl 60 SC Table 6 Winkel, Ludwig Comment Type E text Style should not	Response Status O 50-8b P 28 Siemens AG Comment Status D be bold		# 11
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar uggestedRemedy Change ' of Table 7s roposed Response	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read ' <i>Response Status</i> O	I media types liste mpliant transceiv correct, or should of Table 60-14 w	ed in Table 60-14' er supports all media d it be to Table 60-14 where they'.	Show all of the text of Proposed Response Cl 60 SC Table 6 Winkel, Ludwig Comment Type E text Style should not SuggestedRemedy	Response Status O 50-8b P 28 Siemens AG Comment Status D be bold		# [<u>11</u>
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar uggestedRemedy Change ' of Table 7s roposed Response	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read ' <i>Response Status</i> O <i>P</i> 36	I media types liste mpliant transceiv correct, or should of Table 60-14 w	ed in Table 60-14' er supports all media d it be to Table 60-14 where they'. # 29	Show all of the text of Proposed Response CI 60 SC Table 6 Winkel, Ludwig Comment Type E text Style should not SuggestedRemedy Assign normal Table	Response Status O 60-8b P 28 Siemens AG Comment Status D be bold cell style		# [<u>11</u>
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar <i>uggestedRemedy</i> Change ' of Table 7s <i>roposed Response</i> / 60 SC 60.9.3 nslow, Pete omment Type E The editing instruction 60.9.3 is shown.	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read ' <i>Response Status</i> O <i>P</i> 36 Ciena <i>Comment Status</i> D	I media types liste mpliant transceiv correct, or should of Table 60-14 w	ed in Table 60-14' er supports all media d it be to Table 60-14 where they'. # 29	Show all of the text of Proposed Response CI 60 SC Table 6 Winkel, Ludwig Comment Type E text Style should not SuggestedRemedy Assign normal Table	Response Status O 60-8b P 28 Siemens AG Comment Status D be bold cell style		# [<u>11</u>
1000BASE-PX30 com and subclause 60.4b s types listed in Table 6 Is the reference to Tal as subclause 60.4a ar <i>uggestedRemedy</i> Change ' of Table 7s <i>troposed Response</i> 60 SC 60.9.3 nslow, Pete <i>comment Type</i> E The editing instruction 60.9.3 is shown. <i>uggestedRemedy</i> Change editing instruct	npliant transceiver supports all states 'A 1000BASE-PX40 co i0-14'. ble 75-14 in subclause 60.9.2 nd 60.4ab seem to indicate? 5-14 where they' to read ' <i>Response Status</i> O <i>P</i> 36 Ciena <i>Comment Status</i> D n says "Change text in 60.9.3 a	I media types liste mpliant transceiv correct, or should of Table 60-14 w	ed in Table 60-14' er supports all media d it be to Table 60-14 where they'. # 29	Show all of the text of Proposed Response CI 60 SC Table 6 Winkel, Ludwig Comment Type E text Style should not SuggestedRemedy Assign normal Table	Response Status O 60-8b P 28 Siemens AG Comment Status D be bold cell style		# 11

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 60 SC Table 60-8b Page 16 of 23 15-01-2013 12:48:36

C/ 60 SC Table 60 Winkel, Ludwig	-8b P 29 Siemens AG	L 12	# 12	C/ 75 SC Law, David	75.10.4.12a	<i>Р</i> 57 НР	L 25	# 1022
Comment Type E	Comment Status D			Comment Type	T Con	nment Status D		
What does the empty I	ine means? Is there somethir	ng missing?		to predicate i	f an item is Mand	latory or Option in the	subsequent PIC	
,	e or fill it with or similar to s	how that it is int	entionally there			use 75.10.4.12a 'PMD be predicated on PR		
Proposed Response	Response Status O			SuggestedReme	•			
				[2] Change P	RXU4F1:M to rea RXU4F2:M to rea	ad PRX40U:M		
C/ 60 SC Table 60 Vinkel, Ludwig	-8b P 29 Siemens AG	L 2	# 10		RXU4F3:O to rea RXU4F4:M to rea			
Comment Type E Header repeat missing	Comment Status D			Proposed Respo	nse Resp	oonse Status O		
SuggestedRemedy				CI 75 SC	75.10.4.4a	P 56	L 12	# 1019
Table Header to be rep	peated on 2nd page.			Law, David		HP		
roposed Response	Response Status 0			Comment Type	T Con	nment Status D		
								in subclause 75.10.3
/ 75 SC 75.10.3	P 54 Ciena	L 33	# 34	the item in th	e table in subclau	latory or Option in the use 75.10.4.4a 'PMD predicated on PR40D	to MDI optical sp	ecifications for
omment Type E	Comment Status D			SuggestedReme	dy			
The table should have	a bottom ruling and reducing nable like 5 would look better		rphan rows from 10 to	[2] Change P	RD4F1:M to read RD4F2:M to read RD4F3:O to read		eted due to my ot	her comment)
SuggestedRemedy					RD4F4:M to read			,
Uncheck "Draw Bottom Reduce the number of	n Ruling on Last Sheet Only" Orphan Rows to 5	n Table designe	er	Proposed Respo	nse Resp	oonse Status O		
roposed Response	Response Status O			CI 75 SC	75.10.4.4a	P 56	L 17	# 1018
				Law, David		HP		
				Comment Type	T Con	nment Status D		
				receiver sens	sitivity is mandato	D4F3, footnote c to T ry' so this item needs m PRD4F2 above, au	to be marked as	s status 'M'. As such it
				SuggestedReme Delete item F				
				Proposed Respo		oonse Status O		
				, roposed nespo	nee Kesp			
YPE: TR/technical require	ed ER/editorial required GR/	general required	T/technical E/editorial G/	general		CI 7	5	Page 17 of 23

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 75.10.4.4a 15-01-2013 12:48:36 SORT ORDER: Clause, Subclause, page, line

CI 75 SC 75.10.4		L 26	# 1020	CI 75 SC 75.1	0.4.9a	P 57	L 10	# 1025
_aw, David	HP			Law, David		HP		
Comment Type T	Comment Status D			Comment Type T	Comm	ent Status D		
to predicate if an iter the item in the table	hould use a Major capability/op n is Mandatory or Option in the in subclause 75.10.4.7a 'PMD f 14' should be predicated on PR	subsequent PIC to MDI optical sp	S tables. As such all ecifications for	receiver sensitivit illustrated in Figu	y is mandatory re 75–1.' so it s	over the entire PR eems this item nee	–D transmitter con eds to be marked	that 'The stressed mpliance region, as as status 'M'. As suc s item can be deleted
SuggestedRemedy				SuggestedRemedy				
	1:M to read PRX40D:M			Delete item PRU	4F3.			
[3] Change PRXD4F	2:M to read PRX40D:M 3:O to read PRX40D:O 4:M to read PRX40D:M			Proposed Response	Respor	nse Status O		
Proposed Response	Response Status 0			C/ 75 SC 75.1	0.4.9a	P 57	L 6	# 1021
				Law, David		HP		
C/75 SC 75.10.4	I.7a P 56	L 31	# 1035	Comment Type T	Comm	ent Status D		
Sanga, Ilango	Intel			51			otion item defined	in subclause 75.10.3
Comment Type E	Comment Status D							S tables. As such all
	able: PXR-D4 to PRX-D4					e 75.10.4.9a 'PMD edicated on PR40l		
SuggestedRemedy				SuggestedRemedy				/
As per comment				[1] Change PRU4	F1:M to read P	R40U:M		
Proposed Response	Response Status 0			[2] Change PRU4	F2:M to read P F3:O to read P	R40U:M R40U:O (if not del	eted due to my otl	ner comment)
CI 75 SC 75.10.4	I.7a <i>P</i> 56	L 36	# 4000	Proposed Response	Respor	nse Status O		
aw, David	HP	L 30	# 1023					
Comment Type T	Comment Status D			CI 75 SC 75.4	1	P 45	L 20	# 1034
51	Sitem PRXD4F3, footnote b to	Table 60-8e (whi	ch Table 75-7	Ganga, Ilango		Intel	L 20	# 1054
referenced in the PIC	CS redirects to) states that 'The	stressed receive	er sensitivity is	Comment Type E	Comm	ent Status D		
	em needs to be marked as stat n PRXD4F2 above, and therefore						-11 have been ref	ormatted (values in
SuggestedRemedy					,	nose rows that hav		`
uggesieurkemeuy	:3			document.				
Delete item PRYD4E	υ.			SuggestedRemedy				
Delete item PRXD4F				,				
Delete item PRXD4F Proposed Response	Response Status 0			As per comment.				

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 75

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 75.4.1

 SORT ORDER: Clause, Subclause, page, line
 SC 75.4.1
 SC 75.4.1

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C/ 75 SC 75.4.1	P 45	L 31	# 31	CI 75	SC 75.5.1	P 48	L 31	# 1028
Anslow, Pete	Ciena			Law, David		HP		

Comment Type E Comment Status D

In the Extinction ratio row of Table 75-5 "6" is shown in underline font, but this value has not been inserted (only the format of the row has been changed with the two cells merged)

SuggestedRemedy

Do not show in underline font as this value has not been inserted.

Proposed Response	Response Status	0	
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CI 75	SC 75.4.1	P 45	L 49	# <u>1</u> 027
Law, Dav	vid	HP		

Comment Type T Comment Status D

Footnote b to Table 75-5 reads 'Minimum average launch power and minimum launch OMA are valid for ER = 9 dB (see Figure 75–1 for details)' however IEEE Std 802.3-2012 Figure 75-1 is 'Relationship of 10/10G-EPON P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model'. Looking at IEEE Std 802.3-2012, footnote b to Table 75-5 (see page 577) references Figure 75-4 which is 'Graphical representation of region of PR-D type transmitter compliance' which seems to be the correct figure, and I assume the change found in the IEEE P802.3bk draft is not intended especially since it is not marked as changed text.

Similarly footnote c related to the transmitter eye mask definition states 'As defined in Figure 75-5', however IEEE Std 802.3-2012 Figure 75-5 is '10/1GBASE-PRX-U3 transmitter spectral limits' and instead Figure 75-8 'Transmitter eye mask definition for downstream direction of 10/1GBASE-PRX PMD and both directions of 10GBASE-PR PMD', as IEEE Std 802.3-2012, footnote c to Table 75-5 references, would seem to be the correct figure.

SuggestedRemedy

In footnote b change '... (see Figure 75–1 for details)' to read '... (see Figure 75–4 for details)' and in footnote c change 'As defined in Figure 75–5.' to read 'As defined in Figure 75–8.'.

Proposed Response Response Status **O**

Comment Type T Comment Status D

Footnote b to Table 75-8 reads 'Minimum average launch power and minimum launch OMA are valid for ER = 6 dB (see Figure 75-2 for details).' however IEEE Std 802.3-2012 Figure 75-2 is Relationship of 10/1G-EPON P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model'. Looking at IEEE Std 802.3-2012, footnote b to Table 75-8 (see page 581) references Figure 75-5 which is '10/1GBASE-PRX-U3 transmitter spectral limits' which seems to be the correct figure, and I assume the change found in the IEEE P802.3bk draft is not intended especially since it is not marked as changed text.

Similarly footnote c related to the transmitter eye mask definition states 'As defined in Figure 75-5', however IEEE Std 802.3-2012 Figure 75-5 is '10/1GBASE-PRX-U3 transmitter spectral limits' and instead Figure 75-8 'Transmitter eye mask definition for downstream direction of 10/1GBASE-PRX PMD and both directions of 10GBASE-PR PMD', as IEEE Std 802.3-2012, footnote c to Table 75-8 references, would seem to be the correct figure.

SuggestedRemedy

In footnote b change '... (see Figure 75–2 for details)' to read '... (see Figure 75–5 for details)' and in footnote c change 'As defined in Figure 75–5.' to read 'As defined in Figure 75–8.'.

Proposed Response Response Status **O**

CI 75	SC 75.5.1	P 49	L 39	# 993
Law, David		HP		

Comment Type T Comment Status D

The parameters contained in column 3 '10/1GBASE-PRX-U3' of Table 75-9 are replaced with a reference to Table 60-8a. Since Table 60-8a contains an additional parameter, 'Optical return loss of ODN (min)' compared to Table 75-9, this change seems to impose an additional parameter upon existing 10/1GBASE-PRX-U3 transmitters.

SuggestedRemedy

If it is intended to add this additional parameter to 10/1GBASE-PRX-U3 transmitters then no remedy is necessary. If this is not the intention then Table 60-8a should be changed to not impose this extra requirement on 10/1GBASE-PRX-U3 transmitters.

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Proposed Response Response Status **O**

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	C/ 75	F
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 75.5.1	1
SORT ORDER: Clause, Subclause, page, line			

CI 75	SC 75.5.1	P 49	L 9	#	992
Law, David		HP			

Comment Type T Comment Status D

The parameters contained in column 3 '10/1GBASE-PRX-U3' of Table 75-9 are replaced with a reference to Table 60-8a. The existing value for 'RMS spectral width (max)' in Table 75-9 reads 'see^b' where footnote b (a footnote to a table is normative) states 'If the transmitter employs a Fabry-Perot laser, the RMS spectral width shall comply with Table 75-10. If the transmitter employs a DFB laser, the side mode suppression ratio (min) shall be 30 dB.'. The equivalent parameter in Table 60-8a simply reads 'see Table 60-8b'. This would seem to be a normative change in respect to RMS spectral width (max) for 10/1GBASE-PRX-U3 transmitters, before if a Fabry-Perot laser is used the RMS spectral width of Table 75-10 (now Table 60-8b which has the same values has to be met), if a DFB laser is used the side mode suppression ratio (min) has to be 30 dB. Now it seems, regardless of laser type, the RMS spectral width of Table 60-8b has to be met and any side mode suppression ratio constraint is removed.

SuggestedRemedy

Proposed Response

If it is intended to remove any side mode suppression ratio constraint, and only use a RMS spectral width requirement on 10/1GBASE-PRX-U3 transmitters in the future, then no remedy is necessary. If this is not the intention then the constraints imposed by footnote b of Table 75-9 for 10/1GBASE-PRX-U3 transmitters should be restored.

CI 75	SC 75.5.2	P 52	L 16	# 1026
Law, Dav	vid	HP		

Response Status 0

Comment Type T Comment Status D

Footnote c to Table 75-11 reads 'The stressed receiver sensitivity is mandatory over the entire PR-D transmitter compliance region, as illustrated in Figure 75-1.' however IEEE Std 802.3-2012 Figure 75-1 is 'Relationship of 10/10G-EPON P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model'. Looking at IEEE Std 802.3-2012, footnote c to Table 75-11 (see page 585) references Figure 75-4 which is 'Graphical representation of region of PR-D type transmitter compliance' which seems to be the correct figure, and I assume the change found in the IEEE P802.3bk draft is not intended especially since it is not marked as changed text.

SuggestedRemedy

Change '... as illustrated in Figure 75-1.' to read '... as illustrated in Figure 75-4.'.

Proposed Response Response Status O

CI 75	SC 75.6.2	P 52	L 39	# 1017
Law, David		HP		

Comment Type **T** Comment Status **D**

The end of the second sentence reads '... and in Table 60-5, Table 60-8, Table 60-8d, and Table 60-8e (1000BASE-PX-D receive characteristics).' Tables 60-5, 60-8 and 60-8e all contain receive characteristics however Table 60-8d contains 1000BASE-PX40 transmit characteristics. Suggest the reference to Table 60-8d should be to Table 60-8c '1000BASE-PX30-D and 1000BASE-PX30-U receive characteristics'.

SuggestedRemedy

Change '... and in Table 60-5, Table 60-8, Table 60-8d, and Table 60-8e ...' to read '... and in Table 60-5, Table 60-8, Table 60-8c, and Table 60-8e ...'.

Proposed Response Response Status **0**

CI 75	SC 75.7.15.1	P 53	L 11	# 41
Trowbridg	je, Steve	Alcatel-Lucer	ıt	
	51	Comment Status D phrasing for a defiinition, w	hich should nor	mally start with the term
Sugg		ettling is the tim	e beginning fron	n"
Proposed	Response	Response Status O		
C/ 75	SC 75.7.15.1	P 53	L 16	# 1029
Law, Davi	id	HP		

Comment Type T Comment Status D

It is stated in this subclause that 'Treceiver_settling is presented in Figure 75-6' however Figure 75-6 is '10/1GBASE-PRX-U3 transmitter spectral limits' and is being deleted by this amendment. Looking at this subclause in IEEE Std 802.3-2012 (see page 590) the reference is to Figure 75-9 which is 'Receiver settling time measurement setup' which seems to be the correct figure, and I assume the change found in the IEEE P802.3bk draft is not intended especially since it is not marked as changed text.

SuggestedRemedy

Change 'Treceiver_settling is presented in Figure 75-6' to read 'Treceiver_settling is presented in Figure 75-9'. Make a similar change in subclause 75.7.15.2 'Test specification' (page 53, line 25).

Proposed Response Response Status **O**

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	CI 75	Page 20 of 23
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 75.7.15.1	15-01-2013 12:48:36
SORT ORDER: Clause, Subclause, page, line			

C/ 75 SC 75.7.15. Anslow, Pete	2 <i>P</i> 53 Ciena	L 22	# 32	C/ 75A SC 75A.1 P 59 L 21 # 35 Anslow, Pete Ciena	
Comment Type E	Comment Status D			Comment Type E Comment Status D	
The editing instruction first paragraph of 75.7 SuggestedRemedy Change editing instruct	a says "Change the text of 75.7 7.15.2 is shown.		below:" but only the	The text of the second paragraph has been changed from: "In general, the PMD layer does not have the a priori knowledge of which" to: "In general, the PMD layer does not have the a prior knowledge of which", which no makes sense. Also, make the change from "priori" to "prior" more obvious by showing "priori" in strikethrough and "prior" in underline.	olonger
Proposed Response	Response Status 0			SuggestedRemedy	
C/ 75 SC 75.8.5 Anslow, Pete	P 53 Ciena	L 34	# 33	Change: "In general, the PMD layer does not have the a priori knowledge of which" to: "In general, the PMD layer does not have prior knowledge of which" by showing "the a priori" in strikethrough font and "prior" in underline font. Proposed Response Response Status O	
Comment Type E The editing instruction sentence of 75.8.5 is	Comment Status D a says "Change the text of 75.8 not shown.	3.5 as shown bel	ow:" but the last		
SuggestedRemedy Show the last sentence	e of 75.8.5			CI 75A SC 75A.1 P 59 L 33 # 1041 Kramer, Glen Broadcom	
Proposed Response	Response Status O			Comment Type T Comment Status D "and also those of 10/1GBASE–PRX–D1 and 10/1GBASE–PRX–D2 in Table 75–4 cannot be applied"	-5
CI 75A SC 75A.1	P 59	L 21	# 1	What about PRX-D3 and PRX-D4 also listed in Table 75-5?	
Ran, Adee	Intel			SuggestedRemedy	
Comment Type E	Comment Status D			Add missing PMDs to the list	
modified text includes "the PMD layer does r	: not have the a prior knowledge	," ,"		Proposed Response Response Status O	
SuggestedRemedy remove the article "a"				C/75A SC 75A.1 P 59 L 8 # 14	
	Response Status O			Mark, Laubach Broadcom Corporation	
				Comment Type E Comment Status D	
				There are no changes indicated for the sixth paragraph text in lines 21-27. Also, ch against to Std 802.3av-2009, same text for sixth paragraph.	necking
					iecking
Proposed Response				against to Std 802.3av-2009, same text for sixth paragraph.	necking

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15-01-2013 12:48:36

C/ 75B SC 2.1	P 61	L 30	# 1004	C/ 75B SC 75B.2.1	P 61	L 48	# 1037
Remein, Duane	Futurewei Te		# 1004	Ganga, Ilango	Intel	L 40	# 1037
	Comment Status D ore readable if note "a" was re Comment also applies to Tab			Comment Type E Co. There is no change to the las contents to this row.	mment Status D t row of Tables 75B-1	and 75B-2. So re	move underlining of
SuggestedRemedy				SuggestedRemedy			
See Table 56-3 for an	example of how you've done	this before.		As per comment			
Proposed Response	Response Status 0			Proposed Response Res	ponse Status O		
Cl 75B SC 75B Booth, Brad	<i>P</i> 61 Dell	L1	# 988	CI 75B SC 75B.2.2 Kramer, Glen	P 63 Broadcom	L 10	# <u>1</u> 042
Comment Type ER	Comment Status D			Comment Type TR Co	mment Status D		
Heading does not mate simplified.	ch format used in IEEE Std. 8	02.3-2012. Title	could also be greatly	In D2.0, the original text "The WDM channel multiplexing ca			rates."
SuggestedRemedy Change to read: Annex 75B (informative) Illustrative channels ar classes	nd penalties for 10GBASE-PF	and 10/1GBAS	E-PRX power budget	is replaced with a new text: "" wavelength band overlap, thu two data rates for 1000BASE ONUs and 10/1GBASE-PRX- ONUs."	s WDM channel multi -PX10-U, 1000BASE-	plexing cannot be PX20-U, 1000BA	e used to separate the SE-PX30-U compliant
Proposed Response	Response Status O			The new text is incorrect, as i and 1Gb/s in RPX links are no original text refered to upstreat	eeded. This is not the	case. The "two d	ata rates" in the
C/ 75B SC 75B.2.1	P 61	L 32	# 1036	PR PMD) channels. SuggestedRemedy			
Ganga, Ilango	Intel			Delete the new text and resto	re the original sentend	e	
Comment Type E Check and add IEC 60 1.3 and Annex A as ap	Comment Status D 0793–2 B1.1, B1.3 SMF and I opropriate	TU–T G.652, G.	657 SMF to references	Proposed Response Res	ponse Status O		
SuggestedRemedy As per comment							
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C/ **75B** SC **75B.2.2**

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Anslow, Pete	;		Ciena		
manual v "Ranges	, of Ar which shou	n includ uld repe	Comment Status I 5C contains "at TP1-TP8" les: eat the unit (e.g., 115 V to can be misconstrued as s	which is not in acco 125 V). Dashes sh	-
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In the titl	e of /	Annex	75C change "at TP1-TP8"	" to "at TP1 to TP8"	
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