

Proposed Response Response Status W PROPOSED ACCEPT.

C/ 00	SC O	Р	L	# 16
Anslow, Pete	9	Ciena		

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

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) 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 75-11 (-20.50, -28.50, 3.10) Table 75B-2 (23.0, 26.0) Table 75C-1 (0.20, 0.20) Table 75C-2 (0.30) Table 75C-3 (0.40)

Proposed Response Response Status W PROPOSED ACCEPT.

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COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

CI 00 SC 0

C/ 1 SC 1.4 Ganga, Ilango	P 13 Intel	<i>L</i> 1	# 1030	C/ 30 Ganga, II	SC 30.5.1.1.2 ango	P 13 Intel	L 3	# 1031
Comment Type E C Insert new definitions to Cla For example add new defini 1.4.26/27 to a more generic	tions for 1000BASE-P>		r alternatively update	Chan Suggeste	e is mess up of tab f	Comment Status D ormatting in the base doct n to also include fixing the		
					l Response POSED REJECT.	Response Status W		
SuggestedRemedy				Editir	ng instruction is not	changed. Just tab formatti	ng should be cor	rected.
As per comment				CI 30	SC 30.5.1.1.2	P14	L 19	# 44
	sponse Status W			Hajducze	nia, Marek	ZTE Corpora	tion	
PROPOSED ACCEPT IN P	,			Comment	t Type T	Comment Status D		MAU
See #997 resolution.				distar		SE-PX30D and 1000BASE (30 and PX40 devices is in		
30 SC 30.5.1.1.2	P 13	L 1	# 46		dRemedy	000BASE-PX400		
nomas McDermott	Fujitsu Netw	ork Comm				cific MAU types introduce	e hv 802 3hk as	follows:
Comment Type E C	omment Status D		MAU	1000	BASE-PX30D One	single-mode fiber OMP OL		
The nomenclature chosen for In the previous edition, the r kilometers.				1000 speci	fied in Clause 60	single-mode fiber OMP ON		
1000GBASE-PX10D for exa 1000GBASE-PD20D for exa				speci 1000	fied in Clause 60	single-mode fiber OMP OL single-mode fiber OMP ON		
The new aMAU have nomer the span for both is 20 km. One might accidentally mak respectively.				Proposed	I Response POSED ACCEPT.	Response Status W		
Are 30 and 40 the best and	most proper designato	rs?						
This concern is purely cosm	etic to the draft							
SuggestedRemedy								
Proposed Response Re PROPOSED ACCEPT IN P	sponse Status W RINCIPLE.							
See #44 resolution								
TYPE: TR/technical required EF	Pladitorial required GR		T/technical E/editorial G/	neneral		CL 3	n	Page 2 of 31

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/ 30 SC 30.5.1.1.2

C/ 45 SC 45.2.1.78.4 P L # 45	C/ 56 SC 56.1.3 P L # 997					
Vael William Diab Broadcom	John D'Ambrosia Dell					
Comment Type TR Comment Status D	Comment Type ER 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.	As 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-					
SuggestedRemedy	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					
Please implement MR with the succgested change as suggested in http://www.ieee802.org/3/maint/requests/maint_1235.pdf	there are a multitude of variants of the 10GBASE-PR. The definition needs to be modifie to accurately reflect this issue.					
Proposed Response Response Status W PROPOSED ACCEPT.	All Physical layer specification names should be cross-correlated to section 1.4 to ensure that accurate definitions have been provided.					
	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.					
	То					
	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.					
	Proposed Response Response Status W					
	PROPOSED ACCEPT IN PRINCIPLE.					
	1. Add the text of 1.4.26, 1.4.27, 1.4.42, and 1.4.43 of IEEE Std 802.3-2012 to the next draft of P802.3bk.					
	2. Change the text of 1.4.42 and 1.4.43 to:					
	=== 1.4.42: A collection of 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 IEEE Std 802.3, Table 56-1, Clause 75, Clause 76, and Clause 77					
	1.4.43: A collection of IEEE 802.3 Physical Layer specifications for a 10 Gb/s downstream, 1 Gb/s upstream (10/1G-EPON) point-to-multipoint link over one single-mode optical fiber.					
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G	/general C/ 56 Page 3 of 31					

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 56.1.3 16-01-2013 09:26:50 SORT ORDER: Clause, Subclause, page, line

NOTE-See IEEE Std 802.3, Table 56-1, Clause 75, Clause 76, and Clause 77 ===

 Change the definition of 1.4.26 to:
 A collection of IEEE 802.3 Physical Layer specifications for a 1000 Mb/s point to multipoint link over one single-mode optical fiber.
 NOTE-See IEEE Std 802.3, Table 56-1, Clause 60, Clause 65, and Clause 64.

4. Delete the definition of 1.4.27

C/ 56	SC 56.1.3	P 21	L 12	# 37
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.

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PROPOSED REJECT.

In the pre-existing text, "PON" is used from the second appearance of "Passive Optical Network" as seen in 56.1.3 of IEEE Std 802.3-2012.

C/ 56	SC 56.1.3	P 21	L 5	#	17
Anslow, Pet	e	Ciena			

Comment Type E Comment Status D

The 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, ..."

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 W

PROPOSED ACCEPT.

Mb/s" respecti However, this underline font, 3.2. This error is be remove the un SuggestedRemedy As P802.3bk is these 2 instand Proposed Respons PROPOSED A Cl 56 SC 5 Trowbridge, Steve Comment Type	ively where text has no but was ir eing correc iderline in l y s an amen ces of "Mb se ACCEPT. 56.1.3	e the "Mb/s" is show ot been added by th ncorrectly shown in cted in the publishe P802.3bk. ndment to the publis /s" in normal font. <i>Response Status</i>	D and 2BASE vn in under he 802.3bk underline f d version o shed versio W 3	line font. amendment font in the 80 of IEEE Std 8	in "10 Mb/s" and "2 as implied by the 2.3 revision document D 02.3-2012, so please d 802.3-2012, show # 38
In Table 56-1, Mb/s" respecti However, this underline font, 3.2. This error is be remove the un SuggestedRemedy As P802.3bk is these 2 instand Proposed Respons PROPOSED A CI 56 SC 5 Trowbridge, Steve Comment Type	the rows f ively where text has no but was ir eing correc iderline in l y s an amen ces of "Mb se ACCEPT. 56.1.3	or 10PASS-TS-O are the "Mb/s" is show of been added by the correctly shown in cred in the publishe P802.3bk.	when the second	line font. amendment font in the 80 of IEEE Std 8 n of IEEE Std	as implied by the 2.3 revision document D 02.3-2012, so please d 802.3-2012, show
3.2. This error is be remove the un SuggestedRemedy As P802.3bk is these 2 instant Proposed Respons PROPOSED A Cl 56 SC 5 Trowbridge, Steve Comment Type	eing correc Iderline in l y s an amen ces of "Mb se ACCEPT. 56.1.3	cted in the publishe P802.3bk. Indment to the publis /s" in normal font. Response Status	d version o shed versio W 3	f IEEE Std 8	02.3-2012, so please d 802.3-2012, show
As P802.3bk is these 2 instant Proposed Respons PROPOSED A Cl 56 SC 5 Trowbridge, Steve Comment Type	s an amen ces of "Mb se ACCEPT.	o/s" in normal font. Response Status P2	W 3		
these 2 instand Proposed Respons PROPOSED A Cl 56 SC 5 Trowbridge, Steve Comment Type	ces of "Mb se ACCEPT. 56.1.3	o/s" in normal font. Response Status P2	W 3		
PROPOSED A Cl 56 SC 5 Trowbridge, Steve Comment Type	ACCEPT. 56.1.3	P 2	3	L 33	# 38
Trowbridge, Steve Comment Type			-	L 33	# 38
Comment Type					
51		Alcate	el-Lucent		
	E table - rig	Comment Status ht border line width	-	tch the rest o	of the table boundary.
SuggestedRemedy Fix the line wic	•	right border.			
Proposed Respons PROPOSED A		Response Status	W		

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/ 56 SC 56.1.3 Page 4 of 31 16-01-2013 09:26:50

Cl 56 SC 56.1.3 Law, David	<i>Р</i> 29 НР	L 23	# 1014	<i>Cl</i> 60 Remein, Du	SC 1 Jane	<i>Р</i> 25 Futurewei Tec	L 15 chnologie	# 1005
Comment Type E C IEEE Std 802.3av-2009 cha systems' to read 'Table 56- for P2P systems, while Tab clauses for P2MP systems.	2 specifies the correlation of t	n between nome relation between	nclature and clauses nomenclature and	Comment 7 Change Suggestedi per cor	e "the reach of Re <i>medy</i>	Comment Status D ' to "a reach of" in 2 places in t	the para (line 15	5 & 17).
'1000BASE-PX20-D' and '1 3 'Nomenclature and clause			inserted a new table 56-	Proposed F PROPO	Response DSED ACCEP	Response Status W		
Based on this, the Clause 6 became empty and probab split the one table in to two	ly should have been dele	eted along with th		<i>Cl 60</i> Remein, Du	SC 1 Jane	<i>P</i> 25 Futurewei Tec	L 24 chnologie	# 1006
In addition two new Clause PMD' have been added to systems' with completed Pl	Table 56-3 'Nomenclatur				51	Comment Status D specifies the single-mode fiber dium"	medium" to "T	his clause specifies a
SuggestedRemedy Rather than add two new C PX40 PMD' that are empty, specifies the correlation be that:	, for P2MP PMDs to a ta	ole that the text of	lescribes as '	Suggested per cor Proposed F PROPC	nment	Response Status W		
[1] The Clause 60 columns PX30 PMD' and '1000BASI [2] The title of Table 56-2 is	E-PX40 PMD' are delete	d.		The ori <i>Cl</i> 60 Remein, Du	SC 1	12 speaks of "the medium". <i>P</i> 26 Futurewei Tec	L 13	# 1007
systems'. Proposed Response R PROPOSED ACCEPT.	esponse Status W			Comment 7 The tab	<i>Type</i> E ble would be m	Comment Status D ore readable if note "a" was re each entry of US/DS.	-	DS/US, footnote row header "Transmit
C/ 56 SC Table 56-1 Ninkel, Ludwig	P 23 Siemens AG	L 19	# 9	Suggested put not	-	h "Transmit direction" and rem	ove from "US"	& "DS"
Comment Type E C The indexed foot notes sho	Comment Status D ould be part of the Table	and not outside t	he Table.	Proposed F PROPO	Response DSED ACCEP	Response Status W T.		
SuggestedRemedy Move the Table foot notes i	in a merged last line of th	ne Table.						
Proposed Response R PROPOSED REJECT.	esponse Status W							
The text in the footnote is a consistent with the style may no modification will be mad	anual and published vers							

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 1 Page 5 of 31 16-01-2013 09:26:50

C/ 60 SC 1.1 P 26 L 32 # 1000 Remein, Duane Futurewei Technologie	C/ 60 SC 4A.1 P 28 L 9 # 1002 Remein, Duane Futurewei Technologie				
Comment Type ER Comment Status D As written this states all PMDs have objectives of "1000 Mb/s up to 20 km on one single- mode fiber supporting a fiber split ratio of 1:64." SuggestedRemedy Reword para so objective for each PMD are clear. Stroposed Response Response Status W PROPOSED REJECT. Text was already balloted at least 4 times (802.3bh, 802.3-2008, 802.3av, 802.3-2012) and generated no concerns on wording. Nobody has any doubts what it means. Also, lack of	Kernent, Dualie Public Pub				
proposed text. 7 60 SC 1.4 P 27 L 14 # 1001 emein, Duane Futurewei Technologie	This PMD (PX30-U) reuses already existing PMD designs and should not be modified otherwise it would affect backward compatibility with existing devices. Related comment: #992				
Comment Type E Comment Status D Seems like this entire table should be underlined.	C/ 60 SC 4b.1 P31 L 19 # 5				
SuggestedRemedy underline entire table Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See resolution #15.	Guohua, Kuang ZTE Corporation Comment Type T Comment Status D According 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) 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 Change Average launch power (max) for 1000BASE-PX40-U from "7" to "6". See 8023bk_1301_Kuang_1.pdf for details. Proposed Response Response Status W				

PROPOSED ACCEPT.

C/ 60 SC 4b.1

C/ 60 SC 4b.2 P 32 L 14 # 3 Guohua, Kuang ZTE Corporation	C/ 60 SC 5 P 33 L 7 # 1003 Remein, Duane Futurewei Technologie
Comment Type T Comment Status D According 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) 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. from 7 dBm to 6 dBm	Remein, Duane Futurewel Technologie Comment Type E Comment Status D DS/US, footnote The table would be more readable if note "a" was referenced to thetable title rather than each entry of US/DS. DS/US, footnote SuggestedRemedy See Table 56-3 for an example of how you've done this before. Proposed Response Response Status W
SuggestedRemedy Change Average receive power (max) for 1000BASE-PX40-D from "-8" to "-12" . See 8023bk_1301_Kuang_1.pdf for details.	PROPOSED ACCEPT. Related comment: #1007
Proposed Response Response Status W PROPOSED ACCEPT.	C/ 60 SC 60.1 P 25 L 35 # 19 Anslow, Pete Ciena
Cl 60 SC 4b.2 P 32 L 15 # 4 Guohua, Kuang ZTE Corporation ZTE Corporation 4 Comment Type T Comment Status D 4 According 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) 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. #	Comment Type E Comment Status D The text "This allows certain upgrade possibilities from 10 km to 20 km PONs." is the fourth sentence of the second paragraph of 60.1 in the base document. However, this text is missing from the D 2.0 amendment. If it is proposed to be deleted, then it must be shown in strikethrough font. SuggestedRemedy Show this text either in strikethrough or normal font. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
SuggestedRemedy Change Damage threshold (max) for 1000BASE-PX40-D from "-3" to "-6". See 8023bk_1301_Kuang_1.pdf for details. Proposed Response Response Status W PROPOSED ACCEPT.	Add the following text in normal font at the end of the second paragraph of 60.1: "This allows certain upgrade possibilities from 10 km to 20 km PONs."

C/ 60 SC 60.1

C/ 60 SC 60.1 Anslow, Pete	P 26 Ciena	L 12	# 20	<i>CI</i> 60 Kramer, GI	SC 60.1 en	P 26 Broadcom	L 7	# 1039
Comment Type E In Table 60-1: in the row "Transmit direct "Downstream" has been c "DS" and "US" in underlin Same issue in Table 60-9	hanged to "DS" (2 instand e font. The full versions s	ces). However, t	his is only shown with		ypes are specifie se "IEC 60793"	Comment Status D d differently for PX10/PX20 d is listed, in the other it is not		
Also, in Table 60-1 footno loss for a link is the differe was there as footnote c in	nce between the maximu	m and minimum	channel insertion loss"	Proposed I	U	10/PX20 column Response Status W IN PRINCIPLE.		
SuggestedRemedy				See co	omment #990.			
Show the deleted "pstrear Show the unchanged part		Ū	ere and in Table 60-9.	<i>Cl</i> 60 Ganga, Ilar	SC 60.10.3	P 38 Intel	L 11	# 1033
Proposed Response F PROPOSED ACCEPT.	Response Status W			<i>Comment</i> Add mi		Comment Status D rences to 60.3 and 60.4 in ta	ble rows 2 to 5.	
C/ 60 SC 60.1 aw, David	<i>Р</i> 26 НР	L 7	# 990	Suggested As per	<i>Remedy</i> comment			
For consistency suggest t		dard be included	IEC for PX10 and PX20 as	Proposed I PROP	Response OSED REJECT.	Response Status W		
it already is for PX30 and SuggestedRemedy Chnage 'B1.1, B1.3 SMF'		0793–2 B1.1, B1	.3 SMF'.	Missinę	g cross-referenc	es will be added at the public	ation of 802.3 S	Std-2016.
Proposed Response	Response Status W							

C/ 60 SC 60.10.3

CI 60	SC 60.10.3	P 38	L 20	# 1024
Law, David		HP		

Comment Type T Comment Status D

Items PX30U and PX30D have exactly the same feature, that is '1000BASE-PX30-D or 1000BASE-PX30-U PMD', reference exactly the same subclause 60.4a, and have exactly the same Value/Comment, that is 'Device supports 20 km', hence there is no difference between the two items. In addition the '1000BASE-PX30-U' and '1000BASE-PX30-D PMD' are not listed anywhere in the Major capabilities/options table.

PX30U however is used to predicate 1000BASE-PX30-U features, see subclause 60.10.4.5b 'PMD to MDI optical specifications for 1000BASE-PX30-U', therefore it would seem that '1000BASE-PX30-U' and not '1000BASE-PX30-D' should appear in the PX30U feature column. Similarly PX30D is used to predicate 1000BASE-PX30-D PMD features, see subclause 60.10.4.5a 'PMD to MDI optical specifications for 1000BASE-PX30-D', therefore it would seem that '1000BASE-PX30-D PMD' and not '1000BASE-PX30-U PMD' should appear in the PX30D feature column.

Similar issues seem to exist for all items with status O/1 in this table, including the existing items found in IEEE Std 802.3-2012, as well as all the items with status O/1 in the table in subclause 75.10.3 'Major capabilities/options'.

SuggestedRemedy

In subclause 60.10.3 'Major capabilities/options':

[1] Item PX10U, change '1000BASE-PX10-D or 1000BASE-PX10-U PMD' to read '1000BASE-PX10-U or 1000BASE-PX10-U PMD'.

[2] Item PX10D, change '1000BASE-PX10-D or 1000BASE-PX10-U PMD' to read '1000BASE-PX10-D or 1000BASE-PX10-D PMD'.

[3] Item PX20U, change '1000BASE-PX20-D or 1000BASE-PX20-U PMD' to read '1000BASE-PX20-U or 1000BASE-PX20-U PMD'.

[4] Item PX20D, change '1000BASE-PX20-D or 1000BASE-PX20-U PMD' to read '1000BASE-PX20-D or 1000BASE-PX20-D PMD'.

[5] Item PX30U, change '1000BASE-PX30-D or 1000BASE-PX30-U PMD' to read '1000BASE-PX30-U or 1000BASE-PX30-U PMD'.

[6] Item PX30D, change '1000BASE-PX30-D or 1000BASE-PX30-U PMD' to read '1000BASE-PX30-D or 1000BASE-PX30-D PMD'.

[7] Item PX40U, change '1000BASE-PX40-D or 1000BASE-PX40-U PMD' to read '1000BASE-PX40-U or 1000BASE-PX40-U PMD'.

[8] Item PX40D, change '1000BASE-PX40-D or 1000BASE-PX40-U PMD' to read '1000BASE-PX40-D or 1000BASE-PX40-D PMD'.

In subclause 75.10.3 'Major capabilities/options':

[1] Item PR10U, change '10GBASE-PR-D1 or 10GBASE-PR-U1 PMD' to read '10GBASE-PR-U1 or 10GBASE-PR-U1 PMD'.

[2] Item PR10D, change '10GBASE-PR-D1 or 10GBASE-PR-U1 PMD' to read '10GBASE-PR-D1 or 10GBASE-PR-D1 PMD'.

[3] Item PR20D, change '10GBASE-PR-D2 or 10GBASE-PR-U1 PMD' to read '10GBASE-

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 W PROPOSED ACCEPT IN PRINCIPLE.

Supplementary file: 8023bk_1301_nishihara_3.pdf.

In subclause 60.10.3 'Major capabilities/options':

[1] Item PX10U, change 1000BASE-PX10-D or 1000BASE-PX10-U PMD' to read '1000BASE-PX10-U transmitter or 1000BASE-PX10-U receiver PMD' [2] Item PX10D, change '1000BASE-PX10-D or 1000BASE-PX10-U PMD' to read '1000BASE-PX10-D transmitter or 1000BASE-PX10-D receiver PMD' [3] Item PX20U, change '1000BASE-PX20-D or 1000BASE-PX20-U PMD' to read '1000BASE-PX20-U transmitter or 1000BASE-PX20-U receiver PMD' [4] Item PX20D, change '1000BASE-PX20-D or 1000BASE-PX20-U PMD' to read '1000BASE-PX20-D transmitter or 1000BASE-PX20-D receiver PMD' [5] Item PX30U, change '1000BASE-PX30-D or 1000BASE-PX30-U PMD' to read '1000BASE-PX30-U transmitter or 1000BASE-PX30-U receiver PMD' [6] Item PX30D, change '1000BASE-PX30-D or 1000BASE-PX30-U PMD' to read '1000BASE-PX30-D transmitter or 1000BASE-PX30-D receiver PMD' [7] Item PX40U, change '1000BASE-PX40-D or 1000BASE-PX40-U PMD' to read '1000BASE-PX40-U transmitter or 1000BASE-PX40-U receiver PMD' [8] Item PX40D, change '1000BASE-PX40-D or 1000BASE-PX40-U PMD' to read '1000BASE-PX40-D transmitter or 1000BASE-PX40-D receiver PMD'

TYPE: TR/technical required ER/editorial required GR/gene	eral required T/technical E/editorial G/general	C/ 60	Page 9 of 31
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 60.10.3	16-01-2013 09:26:50
SORT ORDER: Clause, Subclause, page, line			

In subclause 75.10.3 'Major capabilities/options':

[1] Item PR10U, change ¹0GBASE-PR-D1 or 10GBASE-PR-U1 PMD' to read '10GBASE-PR-U1 transmitter or 10GBASE-PR-U1 receiver PMD'.

[2] Item PR10D, change '10GBASE-PR-D1 or 10GBASE-PR-U1 PMD' to read '10GBASE-PR-D1 transmitter or 10GBASE-PR-D1 receiver PMD'.

[3] Item PR20D, change '10GBASE-PR-D2 or 10GBASE-PR-U2 PMD' to read '10GBASE-PR-D2 transmitter or 10GBASE-PR-D2 receiver PMD'.

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

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

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

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

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

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

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

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

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

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

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

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

Delete PR20U as there is no such PHY/PMD as 10GBASE-PR-U2.

Change the values for the subclause columns in the PICS table in 75.10.3 as follows:

=========

Change "75.4, 75.5" to "75.5" for following items: PR10U PR30U PR40U PRX10U PRX20U PRX20U PRX30U PRX40U

Change "75.4, 75.5" to "75.4" for following items:

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

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PR10D	
PR20D	
PR30D	
PR40D	
PRX10D	
PRX20D	
PRX30D	
PRX40D	

Fix also text in Feature for PX20U2 item in 60.10.4.5. Change "1000BASE-PX20-D receiver" to "1000BASE-PX20-U receiver"

Cl 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 W

PROPOSED ACCEPT.

C/ 60	SC 60.4a.1	P 27	L 53	#	994
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:

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 [] Renumber subsequent PICS items as required.

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 []

Item: PX30U2 Feature: 1000BASE-PX30-U transmitter RIN15 OMA Subclause: 60.4a.1 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 W PROPOSED ACCEPT IN PRINCIPLE.

Change the first two sentences of 60.4a.1 as follows:

From:

"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 per measurement techniques described in 60.7. Its RIN15OMA should meet the value listed in Table 60–8a per measurement techniques described in 60.7.7"

to

"The 1000BASE-PX30-D and 1000BASE-PX30-U transmitter's specifications described in Table 60-8a are normative requirement, per measurement techniques described in 60.7, with the exception of RIN15OMA which is an optional requirement, per measurement techniques described in 60.7.7."

Change the tables in 60.10.4.5a and 60.10.4.5b per commenter's suggestion.

Similar changes need to be applied to subclauses describing PX10 and PX20 transmitter specifications, as well as associated PICS. Subclause 60.3.1 and 60.4.1, as well as 60.10.4.2, 60.10.4.3, 60.10.4.4, and 60.10.4.5 will be added to D2.1 with appropriate changes.

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

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C/ 60 SC 60.4a.1 P 28 L 22 # 1032 Ganga, Ilango Intel	C/ 60 SC 60.4a.1 P 28 L 38 # 21 Anslow, Pete Ciena Ciena<
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	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 it (Thin rather than Very Thin). The remaining rows should be non bold.
Proposed Response Response Status W PROPOSED ACCEPT.	Where the table splits across pages, the "bottom ruling" should be there on the first page 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 separator.
"N.A." in Tables 60-6, 60-8, 60-8a, c, d, and e are changed to "N/A". Cl 60 SC 60.4a.1 P 28 L 38 # 13 Mark, Laubach Broadcom Corporation Title of Table 60-8b Comment Type E Comment Status D Title of Table 60-8b Lacking "-U" in Table 60-8b title or additional in Flgure 60-4a?	SuggestedRemedy 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 separator.
SuggestedRemedy Should Table 60-8b and Figure 60-4a agree on use of "-U" in title?	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Configure the table to have 1 "heading row" and the rest "body rows". Add a word "(continued)" at the end of the table title spanning the second page. Where the table splits across pages, the "bottom ruling" will be added on the first page.
Change the title of Table 60-8b to "Table 60–8b—1000BASE-PX30-U transmitter spectral limits"	Blank row remains as is. The blank row in Table 60-8b matches that used in Tables 59-4, 60-4 and 60-7 of IEEE Std 802.3-2012. Replacing the blank row with a thick line in all of

C/ 60 SC 60.4a.1

these tables would be more appropriate to a revision of the base standard 802.3.

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 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 W PROPOSED ACCEPT IN PRINCIPLE.

Change the first two sentences of 60.4b.1 as follows:

From:

"The 1000BASE-PX40-D and 1000BASE-PX40-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 60–8d per measurement techniques described in 60.7. Its RIN15OMA should meet the value listed in Table 60–8d per measurement techniques described in 60.7.7"

to

"The 1000BASE-PX40-D and 1000BASE-PX40-U transmitter's specifications described in Table 60-8d are normative requirement, per measurement techniques described in 60.7, with the exception of RIN15OMA which is an optional requirement, per measurement techniques described in 60.7.7."

Change the tables in 60.10.4.5c and 60.10.4.5d per commenter's suggestion.

Similar changes need to be applied to subclauses describing PX10 and PX20 transmitter specifications, as well as associated PICS. Subclause 60.3.1 and 60.4.1, as well as 60.10.4.2, 60.10.4.3, 60.10.4.4, and 60.10.4.5 will be added to D2.1 with appropriate changes.

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 13 of 31 16-01-2013 09:26:50

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

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 W

PROPOSED ACCEPT IN PRINCIPLE.

Similar changes need to be applied to subclauses describing PX10 and PX20 transmitter specifications, as well as associated PICS. Subclause 60.3.2 and 60.4.2, as well as 60.10.4.2, 60.10.4.3, 60.10.4.4, and 60.10.4.5 will be added to D2.1 with appropriate changes.

C/ 60	SC	60.4b.2	P 32	L 35	# 22
Anslow, P	ete		Ciena		
Comment	Туре	Е	Comment Status D		
In the	bottom	n row of Ta	ble 60-8e "(0.05,0.15)" is mi	ssing a space (2	instances).
Suggested	lReme	dy			
Chang					
· ·	,0.15)" . 0.15)'	to: " in two pla	ces.		
Proposed	,	•	Response Status W		
	•	ACCEPT.			
CI 60	SC	60.5	P 32	L 47	# 983
Booth, Bra	ıd		Dell		
Comment	Туре	Е	Comment Status D		
applic: S <i>uggestec</i>			the Clause heading.		
Shorte	en to re	ad "Illustra	tive channels and penalties	(informative)".	
Proposed	Respo	nse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
PROP	OSED	REJECT.			
The contract them a		nt is reason	able But the latest, ballote	d standard, IEEE	Std 802.3-2012, lists
C/ 60	SC	60.5	P 33	<i>L</i> 1	# 984
Booth, Bra	d		Dell		
Comment	Туре	Е	Comment Status D		
Table	headin	ig does not	need to contain the names	of all the ports.	
Table					
	Reme	dy			
Suggested		,	o read "Illustrative channel i	nsertion loss and	penalties".
Suggested Shorte Proposed	en table Respo	e heading t	o read "Illustrative channel in Response Status W	nsertion loss and	penalties".

CI 60	SC 60.5	P 33	L 7	# 985	C/ 60 SC 60.6	P 33	L 36	# 986
Booth, Brad	d	Dell			Booth, Brad	Dell		
	the US and DS u	Comment Status D used in the table different that erstanding is that U and D in			Comment Type E Subclause heading o	Comment Status D oes not need to contain all po	rt names.	
	am and Downstre	eam, respectively. Creating r			SuggestedRemedy Change to read "Jitte	r at TP1-4 (informative)".		
Suggested Change	,	he Table 60-9 to be U and D	, respectively.		Proposed Response PROPOSED ACCEF	Response Status W		
Proposed F PROP(Response OSED REJECT.	Response Status W			Related comment: #	36		
					Change Subclause t	tle to "Jitter at TP1 to TP4 for	1000BASE-PX10	D and 1000BASE-
PX40-" OLT-si If desc Std 802	'U". If so, this cor de devices, respo ription above is n 2.3-2012. Terms	to refer to terms such as 100 nment should be rejected sir ectively, and they do not ind ot the case, it is not very sur "US" and "DS" have been us	nce xx-U and xx icate the the tra re where U and I sed in 75B since	k-D stand for ONU- and nsmission direction. D are defined in IEEE	0	0, 1000BASE-PX20, 1000BA <i>P</i> 34 Dell		# 987
PX40-" OLT-si If desc Std 802	U". If so, this cor de devices, resp ription above is n 2.3-2012. Terms andardized, and r SC 60.5	nment should be rejected sir ectively, and they do not ind ot the case, it is not very sur	nce xx-U and xx icate the the tra re where U and I sed in 75B since	k-D stand for ONU- and nsmission direction. D are defined in IEEE	PX201000BASE-PX (informative)" Cl 60 SC 60.6 Booth, Brad Comment Type E Tables 60-10 and 60	0, 1000BASE-PX20, 1000BA	SE-PX30, and 10	# 987
PX40-" OLT-sii If desci Std 802 was sta C/ 60 Law, David Comment 7 For cor	U". If so, this cor de devices, resp ription above is n 2.3-2012. Terms andardized, and n SC 60.5 Type E nsistency with Ta	nment should be rejected sir ectively, and they do not ind tot the case, it is not very sur "US" and "DS" have been us no confusion has been raised P 33	the xx-U and xx icate the the transfer where U and I sed in 75B since d. <i>L</i> 9	(-D stand for ONU- and nsmission direction. D are defined in IEEE 2009 when 802.3av # 1009 <i>IEC</i>	PX201000BASE-PX (informative)" Cl 60 SC 60.6 Booth, Brad Comment Type E Tables 60-10 and 60 SuggestedRemedy Change Table 60-10 11 heading to be "Up	IO, 1000BASE-PX20, 1000BA P 34 Dell Comment Status D 11 do not need to contain all heading to be "Downstream ji stream jitter budget (informati	SE-PX30, and 10	# 987
PX40-" OLT-sii If desci Std 802 was sta C/ 60 Law, David Comment 1 For cor B1.1, E Suggested	U". If so, this cor de devices, resp ription above is n 2.3-2012. Terms andardized, and r SC 60.5 Type E nsistency with Ta 31.3 SMF. Remedy	nment should be rejected sir ectively, and they do not ind tot the case, it is not very sur "US" and "DS" have been us no confusion has been raised <i>P</i> 33 HP <i>Comment Status</i> D	hee xx-U and xx icate the the tra re where U and I sed in 75B since d. <i>L</i> 9 ance to IEC stan	 c-D stand for ONU- and nsmission direction. D are defined in IEEE 2009 when 802.3av # 1009 <i>IEC</i> dard be included for 	PX201000BASE-PX (informative)" Cl 60 SC 60.6 Booth, Brad Comment Type E Tables 60-10 and 60 SuggestedRemedy Change Table 60-10	P 34 P 34 Dell Comment Status D 11 do not need to contain all t heading to be "Downstream ji stream jitter budget (informati Response Status W	SE-PX30, and 10	# 987

C/ 60 SC 60.6

CI 60 SC 60 Anslow, Pete).7.11	<i>P</i> 35 Ciena	L 20	# 25	<i>Cl</i> 60 Trowbridge	SC 60.7.13.1.1	P 35 Alcatel-Lucen	L 49 t	# 40
	E Comme	ent Status D			Comment		Comment Status D		subscript
	ruction says "Cha	nge the text in 60.7	7.11 as follows:"	but only the last	Very s the firs	trange phrasing for a tword. Also, other t	a definition, which should imer values in the clause	often use a subs	term being defined as scripted word after "T"
SuggestedRemedy						aphs for Toff and Tr	word ("Ton" actually being eceiver_settling.	g a word). Same	for 2 following
Change editing "Change the las	instruction to: st sentence of 60.7	7.11 as follows:"			Suggested	Remedy			
or show all of th Proposed Response	e text in 60.7.11 Respon	se Status W			T <sub "denot</sub 	ed",	> is the time beginning fr		really like the word
PROPOSED A	CCEPT IN PRINC					script>onr the former.	> is denoted as the time	"	
Change editing "Change the las	instruction to: at sentence of 60.7	7.11 as follows:"			Proposed PROP	Response F OSED ACCEPT IN	Response Status W PRINCIPLE.		
C/ 60 SC 60 Anslow, Pete).7.13.1.1	<i>P</i> 35 Ciena	L 45	# 26			ne same - it has been bal problems with reading.	oted at least twic	ce and attracted no
The editing instr SuggestedRemedy To make this clo	ruction mentions t ear, change editin	ent Status D he text but not the g instruction to: e no change to Fig	-	ows:"	consis For ex "T <sub 65.2.2</sub 	tent in Clauses 64, 6 ample, "T <subscript oscript>receiver_set</subscript 	n, Toff, Tcdr, Tcode_grou 55, 75, 76, and 77 in 802. >Receiver_settlingtling" and "T 75-6, Table 75-7, 75.7.1 77.3.3.2	3-2012. cript>", receiver_settling	" exist in 64.3.3.2,
Proposed Response PROPOSED RE	EJECT.	se Status W	e sufficient and	will not cause serious	First, C	ore, it should be mo Clauses 64, 65, 77 a es shown.	dified as follows: nd 76 will be added to the	e next draft of P8	02.3bk with respective
problems.					Next, o	hange the text as fo	ollows:		
					and "T 75.7.1	receiver_settling" in 5.1, 75.7.14, 76.3.2.	ttling", "T <su 64.3.3.2, 65.2.2.1, 65.3.2 5.1, 75.7.15.2, 76.3.2.1.2 _settling",</su 	2.1.2, Table 75-6	, Table 75-7,
					75.7.1		ot>" and "Ton" in 65.3.2.1 gure 76-15, 76.4.2.1.1, 7 it>,		
					in Tabl	oscript>offe 75-8, Table 75-9, into "T <subscript>c</subscript>	75.7.14, Figure 76–14, F	igure 76–15, 77.3	3.3.1, and 77.3.3.2 are
					"T <sub< td=""><td>oscript>code_group_</td><td>_align" and "</td><td>Code_group_ali</td><td>gn"</td></sub<>	oscript>code_group_	_align" and "	Code_group_ali	gn"
				T/technical E/editorial C ISE STATUS: O/open W/		U/unsatisfied Z/wi	C/ 60 thdrawn SC 60)).7.13.1.1	Page 16 of 31 16-01-2013 09:2

SORT ORDER: Clause, Subclause, page, line

in 64.3.3.2, 65.3.2.1, 65.3.2.1.1, 65.4.4.8, 75.7.14, and 77.3.3.2 are unified into
"T <subscript>code_group_align</subscript> ",

"T<subscript>CDR</subscript>" and "Tcdr" in 64.3.3.2, 65.2.2.1, 65.3.2.1, 65.3.2.1, 65.3.2.1.2, 65.4.4.8, 75.7.14, 76.3.2.1.2, 76.3.2.5.1, 76.4.2.1, 76.4.2.1.1, and 77.3.3.2 are unified into "T<subscript>CDR</subscript>"

C/ 60	SC 60.7.13.2	P.1 P 36	L 13	# 1011
Law, David		HP		
Comment Tv	pe E	Comment Status D		subscript

Comment Type E Comment Status D

Looking at subclause 60.7.13.2.1 'Definitions' in IEEE Std 802.3-2012 the text 'receiver_settling' in 'Treceiver_settling' is subscripted - it appears that the subscripted has been lost in transferring the text to the IEEE P802.3bk draft.

SuggestedRemedy

While this is marked as unchanged text, the text 'receiver_settling' in 'Treceiver_settling' should be subscripted here and elsewhere to restore it to how it is published in IEEE Std 802.3-2012.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See #40 resolution.

C/ 60	SC 60.7.13.2.2	P 36	L 21	# 27	
Anslow. I	Pete	Ciena			

Comment Type Comment Status D E

The editing instruction says "Change the text in 60.7.13.2.2 as follows:" but only the first paragraph of 60.7.13.2.2 is shown.

SuggestedRemedy

Change editing instruction to:

"Change the first paragraph of 60.7.13.2.2 as follows:"

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 60 SC 60.7.2	Р	L	# 43
Hajduczenia, Marek	ZTE Corporation		
Comment Type T	Comment Status D		TBD

Comment Type Comment Status D т

For the 1000BASE-PX30-D and 1000BASE-PX30-U links, the value of the chromatic dispersion penalty is currently defined as TBD

SuggestedRemedy

Based on calculations following the formula Pdispersion = $-10^{10}(1-0.5^{(pi*B*D)^2})$. where B = data rate in bit/s, D = dispersion in ps/(nm*km), the following limiting values should be used for 1490 nm transmission wavelength, where dispersion penalty is maximum:

for epsilon = 0.115 for wavelength 1490nm: 1.85 dB (10 km)

for epsilon = 0.100 for wavelength 1490nm; 1.39 dB (20 km)

for epsilon = 0.080 for wavelength 1490nm: 0.89 dB (20 km) Current limits for epsilon 0.115 is set to 2dB, for epsilon 0.100 - to 1.5 dB and for epsilon

0.08. the limit should be set to at least 0.9 dB.

Proposed Response	Response Status	W
-------------------	-----------------	---

PROPOSED ACCEPT.

Change "TBD dB" to "0.9 dB" in 60.7.2.

C/ 60	SC 60.7.2	P 34	L 41	# 23
Anslow,	Pete	Ciena		•••••••••••••••••••••••••••••••••••••••

Comment Type E Comment Status D

The editing instruction says "Change the text in 60.7.2 as follows:" but only the last two paragraphs of 60.7.2 are shown as changed.

SuggestedRemedy

Change editing instruction to: "Change the last two paragraphs of 60.7.2 as follows:"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Show whole the text described in 60.7.2 since it will be better for the readers to understand the material in 60.7.2.

C/ 60 SC 60.7.2

C/ 60 SC 60.7.2 Hajduczenia, Marek	P 34 ZTE Corporat	L 45 ion	# 42	C/ 60 SC 60.7.2 P 35 L 5 # 39 Trowbridge, Steve Alcatel-Lucent 39	
Comment Type E	Comment Status D ine 45 is bolded for some r		e the bolding of this	Comment Type E Comment Status D Better to refer to the column header and not to the "middle column" of table 60-8b in ca the structure of that table changes in the future.	ise
SuggestedRemedy				SuggestedRemedy Change reference to be "the RMS spectral width column of table 60-8b"	
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED REJECT.	
C/ 60 SC 60.7.2 Law, David	<i>Р</i> 35 НР	L 1	# 1008	This comment is reasonable, but it (proposed change) will be fine if such table change takes place in the future as the commenter suggests.	
Comment Type E The editors note is not in	Comment Status D the correct format.			C/ 60 SC 60.7.2 P 35 L 6 # 998 Tim Brophy Cisco systems Cisco systems P 35 Cisco systems Cisco	
SuggestedRemedy		h 11 for an exan	nple.	Comment Type T Comment Status D There is a TBD on the expected dispersion penalty; since the value is determined by li	<i>TBD</i> ne
Update to correct format - Proposed Response PROPOSED ACCEPT.	- see page 3, line 3 through Response Status W			widths that are informative values only (from table 60-8b) I am uncertain how to put a quantitative value here, or how it is obtained.	
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2	Response Status W	L 4	# 1010		
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2 Law, David Comment Type E Suggest that 'For the 100	Response Status W	L 4 BASE-PX30-U li	# <u>1010</u> <i>Title of Table 60-8b</i> inks' should be	 quantitative value here, or how it is obtained. SuggestedRemedy follow whatever technique was used as described in lines 9 & 10 in the same section for the -10 and -20 versions and fill in the number Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. 	
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2 Law, David Comment Type E Suggest that 'For the 100 changed to read 'For 1000	Response Status W P 35 HP Comment Status D 0BASE-PX30-D and 10001	L 4 BASE-PX30-U li	# <u>1010</u> <i>Title of Table 60-8b</i> inks' should be	quantitative value here, or how it is obtained. SuggestedRemedy follow whatever technique was used as described in lines 9 & 10 in the same section for the -10 and -20 versions and fill in the number Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. See #43 resolution. C/ 60 SC 60.7.2 P 35 L 6 # 2	
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2 Law, David Comment Type E Suggest that 'For the 100 changed to read 'For 1000 SuggestedRemedy See comment.	Response Status W P 35 HP Comment Status D 0BASE-PX30-D and 10001	L 4 BASE-PX30-U li	# <u>1010</u> <i>Title of Table 60-8b</i> inks' should be	quantitative value here, or how it is obtained. SuggestedRemedy follow whatever technique was used as described in lines 9 & 10 in the same section for the -10 and -20 versions and fill in the number Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. See #43 resolution. C/ 60 SC 60.7.2 P 35 L 6 # 2	
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2 Law, David Comment Type E Suggest that 'For the 100 changed to read 'For 1000 SuggestedRemedy See comment. Proposed Response PROPOSED REJECT.	Response Status W P 35 HP Comment Status D 0BASE-PX30-D and 10001 0BASE-PX30 links' to m	L 4 BASE-PX30-U li atch the title of	# <u>1010</u> <i>Title of Table 60-8b</i> inks' should be Table 60-8b.	quantitative value here, or how it is obtained. SuggestedRemedy follow whatever technique was used as described in lines 9 & 10 in the same section for the -10 and -20 versions and fill in the number Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. See #43 resolution. C/ 60 SC 60.7.2 P 35 L 6 Ran, Adee Intel Comment Type TR Comment Status D	Dr
Proposed Response PROPOSED ACCEPT. Cl 60 SC 60.7.2 Law, David Comment Type E Suggest that 'For the 100 changed to read 'For 1000 SuggestedRemedy See comment. Proposed Response PROPOSED REJECT. The title of Table 60-8b is	Response Status W P 35 HP Comment Status D 0BASE-PX30-D and 1000I 0BASE-PX30 links' to m Response Status W	L 4 BASE-PX30-U li atch the title of	# <u>1010</u> <i>Title of Table 60-8b</i> inks' should be Table 60-8b.	quantitative value here, or how it is obtained. SuggestedRemedy follow whatever technique was used as described in lines 9 & 10 in the same section for the -10 and -20 versions and fill in the number Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. See #43 resolution. Cl 60 SC 60.7.2 P 35 L 6 Ran, Adee Intel Comment Type TR Comment Status D "chromatic dispersion penalty is expected to be below TBD dB" SuggestedRemedy	Dr

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 60

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 60.7.2

 SORT ORDER: Clause, Subclause, page, line
 SC 60.7.2
 SC 60.7.2

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16-01-2013 09:26:50

C/ 60 SC 60. Moore, Charles		P 35 Vago Techno	L 6	# 999		<i>Cl</i> 60 SC 60.7 . Law, David	2 P 35 HP	L 6	# 996
Comment Type T		0	logico		TBD	Comment Type TR			TBL
I cannot vote for	this draft, it is technica BASE-PX30-D and 100	ally incomplete		omatic dispersion	ТЫЛ	<i>,</i>	the chromatic dispersion penalty is	expected to b	
SuggestedRemedy change TBD to 1	.2					SuggestedRemedy Replace the TBD v	vith a value.		
Proposed Response PROPOSED AC	Response Sta CEPT IN PRINCIPLE.	atus W				Proposed Response PROPOSED ACCI	Response Status W EPT IN PRINCIPLE.		
See #43 resolution	on.					See #43 resolution	l.		
C/ 60 SC 60. Anslow, Pete		P 35 Ciena	L 6	# 24		C/ 60 SC 60.7. Powell, Bill	2 P 35 Alcatel-Lucent	L 6	# 6
The "TBD" needs	Comment Sta chromatic dispersion p s to be changed to a nu	penalty is exp	ected to be bel	ow TBD dB"	TBD	Comment Type E Need to specify a v SuggestedRemedy	Comment Status D value for "TBD" chromatic dispersion	วท	TBC
SuggestedRemedy Replace the "TBI	D" with an appropriate	value.				Proposed Response	Response Status W		
Proposed Response PROPOSED AC	Response Sta CEPT IN PRINCIPLE.	atus W					EPT IN PRINCIPLE.		
See #43 resolution	on.					See #43 resolution	l.		
C/ 60 SC 60. Slavick, Jeff		P 35 Wago Techno	L 6	# 7		C/ 60 SC 60.8. Anslow, Pete	2 P 36 Ciena	L 31	# 28
Comment Type T		0	logics		TBD	Comment Type E The editing instruct of 60.8.2 is shown.	Comment Status D tion says "Change text in 60.8.2 as	follows:" but o	only the first paragraph
SuggestedRemedy						SuggestedRemedy Change editing ins "Change the first p	truction to: aragraph of 60.8.2 as follows:"		
	Response Sta CEPT IN PRINCIPLE.	atus W				Proposed Response PROPOSED ACCI	Response Status W		
See #43 resolution	on.								

C/ 60 SC 60.8.2

C/ 60	SC 60.9.2	P 36	L 46	# 1012
Law, Davi	d	HP		
Comment	Type E	Comment Status D		SMF
(dispe ' yet B1.3 (ersion un-shifted s t new text reads ' (low water peak S	clause reads ' fibers specif single-mode fiber) and Type I IEC 60793-2 Type B1.1 (di SMF), ITU-T G.652 and ITU-T single-mode fiber' is used an	B1.3 (low water spersion un-shi G.657 (bend-ir	peak single-mode fiber) fted SMF) and Type isensitive SMF)'
Suggeste	dRemedy	-		
Consi	stently use either	'single-mode fiber' or 'SMF'.		
•	Response POSED ACCEPT	Response Status W		
Term	"SMF" in 60.9.2	is changed to "single-mode f	iber". Entire text	t is changed as follows:
and 1 (dispe and I The fi by the	000BASE-PX20 a ersion un-shifted s FU G.652, or by t ber optic cable re e fibers specified	ext from "The fiber optic cabl are satisfied by the fibers spe single-mode fiber) and Type I he requirements of Table 60- quirements for 1000BASE-P in IEC 60793–2 Type B1.1 (c SMF), ITU–T G.652 and ITU–	ecified in IEC 60 B1.3 (low water -14 where they o X30 and 1000B lispersion un–sh	793-2 Type B1.1 peak single-mode fiber) differ. ASE-PX40 are satisfied ifted SMF) and Type

to

"The fiber optic cable requirements for 1000BASE-PX10 and 1000BASE-PX20 are satisfied by the fibers specified in IEC 60793-2 Type B1.1 (dispersion un-shifted single-mode fiber) and Type B1.3 (low water peak single-mode fiber) and ITU G.652, or by the requirements of Table 60–14 where they differ.

the requirements of Table 75-14 where they differ."

The fiber optic cable requirements for 1000BASE-PX30 and 1000BASE-PX40 are satisfied by the fibers specified in IEC 60793–2 Type B1.1 (dispersion un–shifted single-mode fiber), Type B1.3 (low water peak single-mode fiber), ITU–T G.652 and ITU–T G.657 (bend–insensitive single-mode fiber), or by the requirements of Table 75–14 where they differ."

C/ 60	SC 60.9.2	P 36	L 50	# 1013
Law, Dav	id	HP		
Comment Typo		Comment Status D		
Suggeste	edRemedy			

Suggest that '... in IEC 60793–2 Type B1.1 (dispersion un–shifted SMF) and Type B1.3 (low water peak SMF), ITU–T G.652 and ITU–T G.657 ...' should read '... in IEC 60793–2 Type B1.1 (dispersion un–shifted SMF), Type B1.3 (low water peak SMF), ITU–T G.652 and ITU–T G.657 ...' (first and replaced with a comma).

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See #1012 resolution.

Cl 60	SC 60.9.2	P 36	L 51	# 1015
Law, David		HP		

Comment Type T Comment Status D

The second paragraph of subclause 60.9.2 states 'The fiber optic cable requirements for 1000BASE-PX30 and 1000BASE-PX40 are satisfied by the fibers specified in ... or by the requirements of Table 75-14 where they differ.' however subclause 60.4a states 'A 1000BASE-PX30 compliant transceiver supports all media types listed in Table 60-14 ...' and subclause 60.4b states 'A 1000BASE-PX40 compliant transceiver supports all media types listed in Table 60-14 ...'

Is the reference to Table 75-14 in subclause 60.9.2 correct, or should it be to Table 60-14 as subclause 60.4a and 60.4ab seem to indicate?

SuggestedRemedy

Change '... of Table 75-14 where they ...' to read '... of Table 60-14 where they ...'.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Terms "Table 60-14" and "60.9" in 60.4a and 60.4b are changed to "Table 75-14" and "75.9", respectively.

C/ 60 SC 60.9.3 P 36 L 54 # 29 Anslow, Pete Ciena	C/ 60 SC 60.9.4 P 37 L 6 # 30 Anslow, Pete Ciena
Comment Type E Comment Status D The editing instruction says "Change text in 60.9.3 as follows:" but only the last sentence of 60.9.3 is shown.	Comment Type E Comment Status D The editing instruction says "Change text in 60.9.4 as follows:" but only the first and third paragraph of 60.9.4 are shown.
SuggestedRemedy Change editing instruction to: "Change the last sentence of 60.8.3 as follows:" Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy Show all of the text of 60.9.4 Proposed Response Response Status W PROPOSED ACCEPT.
C/ 60 SC 60.9.3 P 37 L 3 # 1040 Kramer, Glen Broadcom	Cl 60 SC Table 60-8b P 28 L 44 # 11 Winkel, Ludwig Siemens AG Comment Type E Comment Status D
Comment Type E Comment Status D In text "Other arrangements, such as a shorter link length and a higher split ratio in the case of 1000BASE-PX20, 1000BASE-PX30, and 1000BASE-PX40, may be used provided the requirements of Table 60–1 are met", why is 1000BASE-PX10 excuded? SuggestedRemedy If other arrangements are possible for 1000BASE-PX10, add it here. Otherwise, explain why other arrangements are not possible for this PMD.	text Style should not be bold SuggestedRemedy Assign normal Table cell style Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Cl 60 SC Table 60-8b P 29 L 12 # 12 Winkel, Ludwig Siemens AG
The original text in 802.3-2012 reads:	Comment Type E Comment Status D What does the empty line means? Is there something missing?
For example, this allocation supports three connections with an average insertion loss equal to 0.5 dB (or less) per connection, or two connections with a maximum insertion loss of 0.75 dB. Other arrangements, such as a shorter link length and a higher split ratio in the case of 1000BASE-PX20, may be used provided the requirements of Table 60–1 are met. This text was originally intended as just an example for PX20 and should remain as such.	SuggestedRemedy Either delete empty line or fill it with or similar to show that it is intentionally there Proposed Response Response Status W PROPOSED REJECT.
Remove 60.9.3 from draft, backing off any changes to this subclause.	Empty line will help the readers to understand that the wavelength band changes from 1.3- um window to 1.5-um one. We reuse formatting from other tables included in balloted, published 2012 version.

C/ 60 SC Table 60-8b

Comment Type E Comment Status D Table 60-8b title Header repeat missing Suggested/Remoty Table Header to be repeated on 2nd page. Proposed Response ResponseStatus W PROPOSED ACCEPT IN PRINCIPLE. See #21 resolution. C1 75 SC 75.10.3 P54 L.33 # 34 Ansiow, Pate Comment Status D The table is should have a bottom ruling and reducing the number of orphan rows from 10 to something more reasonable like 5 would look better. Suggested/Remody Uncheck "Draw Bottom Ruling on Last Sheet Only" in Table designer Reduce the number of Orphan Rows to 5 Proposed Response Response Status W PROPOSED ACCEPT IN C1 75 SC 75.10.4.12a P57 L25 # 1022 Law, David HP Comment Type T Comment Status D The table in subclause 75.10.4.12a PKD to MDI optical specifications for 101/GBASE=PRXUFF1:M to read PRXUFI:M to read PRXUFI:M to read PRXUFI:M to read PRXUFI:M to read PR4UD.M Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. C1 75 SC 75.10.4.12a P57 L25 # 1022 C1 75 SC 75.10.4.12a PKD to MDI optical specifications for 101/GBASE=PRXUFI:M to read PRXUFI:M to read P	7 60 SC Table 60-8b /inkel, Ludwig	P 29 Siemens AG	L 2	# 10	<i>Cl</i> 75 Law, David	SC 75.10.4.4a	a P 56 HP	L 12	# 1019
PROPOSED ACCEPT IN PRINCIPLE. See #21 resolution. C1 75 SC 75.10.3 P54 L 33 # 34 Comment Type E Comment Status D Ciena Response Status W PROPOSED ACCEPT IN PRINCIPLE. PS4 L 33 # 34 Comment Type E Comment Status D D Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. C175 SC 75.10.4.12a P57 L 25 # 1022 Carment Type T Comment Status D C75 PICS Proposed Response Response Status W PROPOSED ACCEPT C175 SC 75.10.4.12a P 57 L 25 # 1022 Carment Type T Comment Status D C75 PICS The table in subclause 75.10.4.12a P 57 L 25 # 1022 Carment Type T Comment Status D C75 PICS C75 PICS The table in subclause 75.10.4.12a P 57 L 25 # 1022 Carment Type T Comment Status D C75 PICS C75 PICS SuggestedRemedy III Change PRAD411:M to read PRX400UM Related comment: #1018 SuggestedRemedy IIII Change PRAD41:	Header repeat missing			Table 60-8b title	The sta to pred the iter	itus column shou icate if an item is n in the table in s	Id use a Major capability/c Mandatory or Option in th subclause 75.10.4.4a 'PME	ne subsequent PI D to MDI optical s	CS tables. As such all becifications for
Anslow, Pete Ciena PROPOSED ACCEPT IN PRINCIPLE. Comment Type E Comment Status D The table should have a bottom ruling and reducing the number of orphan rows from 10 to something more reasonable like 5 would look better. SuggestedRemedy Uncheck "Draw Bottom Ruling on Last Sheet Only" in Table designer Reduce the number of Orphan Rows to 5 Proposed Response Response Status W PROPOSED ACCEPT. Cl 75 SC 75.10.4.122 P57 L25 # 1022 Anw, David HP Comment Type T Comment Status D C75 PICS The status column should use a Major capability/option item defined in subclause 75.10.3 to predicate if an item is Mandatory or Option in the subsequent PICS tables. As such all the item in the table in subclause 75.10.4.12a PM to MDI optical specifications for 10/1GBASE-PRX-U4" should be predicated on PRX40U (see page 55, line 20). SuggestedRemedy [1] Change PRXU4F3:N to read PRX40U:M [2] Change PRXU4F3:N to read PRX40U:M [3] Change PRXU4F3:N to read PRX40D1:M [3] Change PRXU4F3:N to read PRX40D1:M [4] Change PRXU4F3:N to read PRX40D1:M [4] Change PRXU4F3:N to read PRX40D1:M [5] Chan	PROPOSED ACCEPT IN PRI See #21 resolution.				[1] Cha [2] Cha [3] Cha	nge PRD4F1:M nge PRD4F2:M nge PRD4F3:O	to read PR40D:M to read PR40D:O (if not de	eleted due to my c	ther comment)
Cl 75 SC 75.10.4.12a P 57 L 25 # 1022 Law, David HP T Comment Status D C75 PICS Comment Type T Comment Status D C75 PICS The status column should use a Major capability/option item defined in subclause 75.10.3 to predicate if an item is Mandatory or Option in the subsequent PICS tables. As such all the item in the table in subclause 75.10.4.12a 'PMD to MDI optical specifications for 10/1GBASE=PRX-U4' should be predicated on PRX40U (see page 55, line 20). SuggestedRemedy [1] Change PRXU4F1:M to read PRX40U:M [2] Change PRXU4F2:M to read PRX40U:M [3] Change PRXU4F3:O to read PRX40U:M [3] Change PRXU4F3:O to read PRX40U:M [3] Change PRXU4F3:M to read PRX40U:M [3] Change PRXU4F3:M to read PRX40U:M [4] Change PRXU4F3:M to read PRX40U:M [5] Change PRXU4F3:M to read PRX40U:M [6] Change PRXU4F3:M to read PRX40U:M [7] Change PRXU4F3:M to read PRX40U:M [8] Change PRXU4F3:M to read PRX40U:M [9] Change PR	nslow, Pete comment Type E Corr The table should have a botto something more reasonable li suggestedRemedy Uncheck "Draw Bottom Ruling Reduce the number of Orphan proposed Response Resp	Ciena <i>mment Status</i> D m ruling and reducing ke 5 would look better g on Last Sheet Only" n Rows to 5	the number of c	orphan rows from 10 to	PROPO Also, d Supple	DSED ACCEPT elete PRD4F3 in mentary file: "80	IN PRINCIPLE. 75.10.4.4a. 23bk_1301_nishihara_3.pc	df"	
The status column should use a Major capability/option item defined in subclause 75.10.3 to predicate if an item is Mandatory or Option in the subsequent PICS tables. As such all the item in the table in subclause 75.10.4.12a 'PMD to MDI optical specifications for 10/1GBASE–PRX–U4' should be predicated on PRX40U (see page 55, line 20). SuggestedRemedy [1] Change PRXU4F1:M to read PRX40U:M [2] Change PRXU4F2:M to read PRX40U:M [3] Change PRXU4F3:O to read PRX40U:O [4] Change PRXU4F4:M to read PRX40U:M [4] Change PRXU4F4:M to read PRX40U:M	75 SC 75.10.4.12a	-	L 25	# 1022					
[1] Change PRXU4F1:M to read PRX40U:M [2] Change PRXU4F2:M to read PRX40U:M [3] Change PRXU4F3:O to read PRX40U:O [4] Change PRXU4F4:M to read PRX40U:M Proposed Response Response Status	The status column should use to predicate if an item is Mano the item in the table in subclas	e a Major capability/op datory or Option in the use 75.10.4.12a 'PMD	subsequent PIC to MDI optical s	in subclause 75.10.3 S tables. As such all specifications for					
Proposed Response Response Status W	[1] Change PRXU4F1:M to rea [2] Change PRXU4F2:M to rea [3] Change PRXU4F3:O to rea	ad PRX40U:M ad PRX40U:O							
	Proposed Response Resp								

C/ **75** SC **75.10.4.4a**

C/ 75 SC 75.10.4.4a Law, David	<i>Р</i> 56 НР	L 17	# 1018	<i>Cl</i> 75 Law, David	SC 75.10.4.	7a P 56 HP	L 26	# 1020		
Comment Type T Co With respect to PICS item P receiver sensitivity is manda is already covered by PICS is SuggestedRemedy Delete item PRD4F3. Proposed Response Re PROPOSED ACCEPT IN PI Implement remedy as propo Also, delete following Items PRD1F3 in 75.10.4.2, PRD2F3 in 75.10.4.4, PRD4F3 in 75.10.4.4, PRD4F3 in 75.10.4.5, PRXD2F3 in 75.10.4.6, PRXD2F3 in 75.10.4.7,	omment Status D RD4F3, footnote c to T tory' so this item needs item PRD4F2 above, an <i>sponse Status</i> W RINCIPLE. sed by the commenter.	s to be marked as nd therefore this i	status 'M'. As such it	Comment The sta to pred the iter 10/1GE Suggested [1] Cha [2] Cha [3] Cha [4] Cha [2] Cha [3] Cha [3] Cha [3] Cha [3] Cha [3] Cha [4] Cha	Type T atus column sh licate if an item n in the table ir BASE–PRX–D4 Remedy ange PRXD4F1 ange PRXD4F3 ange PRXD4F4 Response OSED ACCEP ange PRXD4F1 ange PRXD4F3 ange PRXD4F3	HP Comment Status D ould use a Major capability is Mandatory or Option in subclause 75.10.4.7a 'PM ' should be predicated on M to read PRX40D:M M to read PRX40D:M C to read PRX40D:M <i>Response Status</i> W T IN PRINCIPLE. M to read PRX40D:M M to read PRX40D:M 3 in 75.10.4.7a.	the subsequent PI ID to MDI optical s	CS tables. As such all specifications for		
PRXD4F3 in 75.10.4.7a, PRU1F3 in 75.10.4.8, PRU3F3 in 75.10.4.9, PRU4F3 in 75.10.4.9a,				Supplementary file: "8023bk_1301_nishihara_3.pdf" Related comment: #1018						
PRXU1F3 in 75.10.4.10, PRXU2F3 in 75.10.4.11, PRXU3F3 in 75.10.4.12, and PRXU4F3 in 75.10.4.12 Supplementary file: "8023bk		.11		Cl 75 Ganga, Ilar Comment	Туре Е	7a P 56 Intel Comment Status D ble: PXR-D4 to PRX-D4	L 31	# <u>1035</u>		
Supplementary file: "8023bk				Suggested As per Proposed I	<i>Remedy</i> comment	Response Status W				

C/ **75** SC **75.10.4.7a**

C/ 75 SC 75.10.4.7a	<i>Р</i> 56 НР	L 36	# 1023	C/ 75 Law, David	SC 75.10.4.9	9a	<i>Р</i> 57 НР	L 6	# 1021
Comment Type T With respect to PICS iter referenced in the PICS re mandatory' so this item n covered by PICS item PF	directs to) states that 'The eeds to be marked as sta	e stressed receive sus 'M'. If this is ce	er sensitivity is orrect, it is already	to pred the iten 10GBA	itus column sho icate if an item n in the table in SE–PR–U4' sh	is Mandatory of subclause 75.1	r capability/o r Option in the 10.4.9a 'PMD		
SuggestedRemedy Delete item PRXD4F3. Proposed Response PROPOSED ACCEPT. See #1018 resolution. Supplementary file: "8023	Response Status W	n		[2] Cha [3] Cha [4] Cha Proposed F	nge PRU4F1:N nge PRU4F2:N nge PRU4F3:C nge PRU4F4:N	1 to read PR40l <i>Response</i> S	J:M J:O (if not del J:M	eted due to my o	ther comment)
Cl 75 SC 75.10.4.9a aw, David Comment Type T With respect to PICS iter receiver sensitivity is mar illustrated in Figure 75–1. it is already covered by P	datory over the entire PR ' so it seems this item nee	–D transmitter co eds to be marked	mpliance region, as as status 'M'. As such	[2] Cha [3] Cha [4] Cha Also, d Supple	nge PRU4F2:N nge PRU4F3:C nge PRU4F4:N elete PRU4F3.	1 to read PR40L 1 to read PR40L 0 to read PR40L 1 to read PR40L 023bk_1301_ni 018	J:M J:O J:M	f"	
SuggestedRemedy Delete item PRU4F3. Proposed Response PROPOSED ACCEPT. See #1018 resolution. Supplementary file: "8023	Response Status W	T		column docume Suggestedl As per Proposed F	<i>ype</i> E of the row in Ta s combined). L ent. Remedy comment.	Inderline those	, 75-8 and 75 rows that hav	L 20 -11 have been re re been changed	# 1034 formatted (values in from the base

CI 75 SC 75.4.1

CI 75	SC	75.4.1		P 45	L 31	# 31
Anslow, Pe	ete		Ci	ena		
Comment 1		E	Comment Stat			
						t, but this value has the two cells merged)
Suggested	Remea	ły				
Do not	show i	n underlin	e font as this val	ue has not	been inserted.	
Proposed F	Respon	ise	Response Stat	us W		
PROP	OSED	ACCEPT.				
CI 75	SC	75.4.1		P 45	L 49	# 1027
Law, David			HF	0		
Comment 1	Туре	т	Comment Stat			

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 W

PROPOSED ACCEPT.

CI 75	SC 75.5.1	P 48	L 31	# 1028
Law, David		HP		

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 W

PROPOSED ACCEPT.

CI 75	SC 75.5.1	P 49	L 39	# 993	Cl 75	SC 75.5.1	Р
Law. Davi	d	HP			Law. Davi	d	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.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

Change the title of "Receive parameters" in Table 75-9 to "Transmit parametrs. Put a superscript "a" to "Transmit parameters" column. Also, add a following footnote in Table75-9:

"<superscript>a</superscript> Optical return loss of ODN (min) is informative for 10/1GBASE–PRX–U1, 10/1GBASE–PRX–U2, 10/1GBASE–PRX–U3, and 10/1GBASE–PRX–U4 PMDs.

Supplementary file: "8023bk_1301_nishihara_2.pdf"

C/ 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

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.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Modify Table 60-8a by newly adding Side Mode Supression Ratio with the value of 30 dB. Put footnotes "c" to columns "Side Mode Supression Ratio" and "RMS spectral width (max)".

Add a footnote "c" with the description "If 1000BASE-PX30-U PMD employs a DFB laser, Side Mode Suppression Ratio is mandatory. If it employs a Fabry-Perot laser, RMS spectral width requirement is mandatory."

Supplementary file: "8023bk_1301_nishihara_1.pdf"

C/ 75 SC 75.5.1

Cl 75	SC 75.5.2	P 52	L 16	# 1026
Law, David		HP		

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	w
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PROPOSED ACCEPT.

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 W

PROPOSED ACCEPT.

CI 75 SC 75.7.15.1			P 53	L 11	# 41
Trowbridg Comment		e E	Alcatel-Lucent		subscript
		—	phrasing for a defiinition, whi	ch should no	'

"Denote" is very strange phrasing for a defiinition, which should normally start with the term being defined.

SuggestedRemedy

Suggest:

T<subscript>receiver_settling</subscript> is the time beginning from ..."

Proposed Response	Response Status	W

PROPOSED ACCEPT IN PRINCIPLE.

The wording should stay the same - it has been balloted at least twice and attracted no comments on wording and problems with reading.

See #40 resolution.

CI 75	SC 75.7.15.1	P 53	L 16	# 1029
Law, David		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 W PROPOSED ACCEPT.

CI 75 SC 75.7.15.1 Page 27 of 31 16-01-2013 09:26:51

C/ 75 SC 75.7.15.2 Anslow, Pete	P 53 Ciena	L 22	# 32	C/ 75A SC 75A.1 Anslow, Pete	<i>P</i> 59 Ciena	L 21	# 35
Comment Type E The editing instruction s first paragraph of 75.7.1 SuggestedRemedy Change editing instructi			below:" but only the	,	does not have the a price does not have the a price m "priori" to "prior" more	ori knowledge of v or knowledge of w	which", which no longe
Proposed Response PROPOSED ACCEPT.	Response Status W			SuggestedRemedy Change:			
C/ 75 SC 75.8.5 Anslow, Pete	P 53 Ciena	L 34	# 33	"In general, the PMD layer "In general, the PMD layer by showing "the a priori" in	does not have prior kno	wledge of which"	
Comment Type E The editing instruction s sentence of 75.8.5 is no	Comment Status D says "Change the text of 75.8	3.5 as shown bel	ow:" but the last	Proposed Response F PROPOSED ACCEPT.	Response Status W		
SuggestedRemedy Show the last sentence Proposed Response				Cl 75A SC 75A.1 Kramer, Glen Comment Type T "and also those of 10/1G	P 59 Broadcom Comment Status D	L 33	# 1041
PROPOSED ACCEPT. Add the following senter	nce at the current text in 75.	8.5:		cannot be applied"			
"Each field-pluggable co range over which compl	omponent shall be clearly lat liance is ensured."	beled with its ope	erating temperature	SuggestedRemedy Add missing PMDs to the			
C/ 75A SC 75A.1 Ran, Adee	P 59 Intel	L 21	# [1	Proposed Response F PROPOSED ACCEPT IN	Response Status W PRINCIPLE.		
Comment Type E modified text includes: "the PMD layer does no	Comment Status D of have the a prior knowledge	, "		Change "10/1GBASE–PR. "10/1GBASE–PRX–D1, 10 10/1GBASE–PRX–D4 in T)/1GBASE-PRX-D2, 10/	1GBASE-PRX-E	
SuggestedRemedy remove the article "a"							
Proposed Response PROPOSED ACCEPT I	Response Status W IN PRINCIPLE.						
See #35 resolution.							

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/ 75A SC 75A.1 Page 28 of 31 16-01-2013 09:26:51

C/ 75A SC 75A.1	P 59	L 8	# 14	CI 75B SC 75B	P 61	<i>L</i> 1	# 988
Mark, Laubach	Broadcom Co	orporation		Booth, Brad	Dell		
5	Comment Status D indicated for the sixth paragra -2009, same text for sixth par		21-27. Also, checking	Comment Type ER Heading does not m simplified.	Comment Status D atch format used in IEEE Std.	802.3-2012. Title	e could also be greatly
SuggestedRemedy				SuggestedRemedy			
Indicate what is chang	ed, or only change the third a	nd seventh para	agraphs.	Change to read:			
Proposed Response PROPOSED ACCEP1	Response Status W			Annex 75B (informative) Illustrative channels classes	and penalties for 10GBASE-P	R and 10/1GBA	SE-PRX power budget
See #35 resolution.				Proposed Response	Response Status W		
C/ 75B SC 2.1	P 61	L 30	# 1004	PROPOSED ACCE	PT IN PRINCIPLE.		
lemein, Duane	Futurewei Teo	chnologie		Change the Append	itle to "Append 75P (informative)) Illustrativa abar	anala and papaltias for
Comment Type E	Comment Status D		DS/US, footnote a		itle to "Annex 75B (informative) I0/1GBASE-PRX power budge		
	ore readable if note "a" was re Comment also applies to Tab			published Annex 75	B in 802.3-2012:		
SuggestedRemedy			,	Annex 75B	[paragraph tag AN,Ann	•	
	example of how you've done	this before.		(informative) Illustrative channels	[paragraph tag I,Informa [paragraph tag AT,An		
Proposed Response PROPOSED ACCEP1	Response Status W			Strike the text "(info Annex 75B as show	rmative)" just one line below the	e editing instruct	ion "Change the title o
Related comment: #10	007						

C/ 75B SC 75B

C/ 75B SC 75B.2.1 P 61 L 32 # 1036 Ganga, Ilango Intel	C/ 75B SC 75B.2.2 P 63 L 10 # 1042 Kramer, Glen Broadcom			
Comment Type E Comment Status D Check and add IEC 60793–2 B1.1, B1.3 SMF and ITU–T G.652, G.657 SMF to references 1.3 and Annex A as appropriate	Comment Type TR Comment Status D In D2.0, the original text "The two wavelength bands overlap, thus WDM channel multiplexing cannot be used to separate the two data rates."			
SuggestedRemedy As per comment Proposed Response Response Status W PROPOSED REJECT.	is replaced with a new text: "The 1260-1360 wavelength band and the 1260-1280 wavelength band overlap, thus WDM channel multiplexing cannot be used to separate the two data rates for 1000BASE-PX10-U, 1000BASE-PX20-U, 1000BASE-PX30-U compliant ONUs and 10/1GBASE-PRX-U1, 10/1GBASE-PRX-U2, 10/1GBASE-PRX-U3 compliant ONUs."			
It is already described in 1.3 of IEEE Std 802.3-2012 as follows: == IEC 60793-2:1992, Optical fibres—Part 2: Product specifications.	The new text is incorrect, as it seems to state that separation of upstream 1Gb/s in PX linl and 1Gb/s in RPX links are needed. This is not the case. The "two data rates" in the original text refered to upstream 1Gb/s (which includes PX and PRX PMDs) and 10Gb/s (i PR PMD) channels.			
IEC 60793-2-50:2008, Optical fibres—Part 2-50: Product specifications—Sectional specification for class B single-mode fibres.	SuggestedRemedy Delete the new text and restore the original sentence Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. In P802.3bk D2.0, there are three wavelength bands for upstream: [1] 1260 - 1360 nm for PX10, PX20, PX30, PRX10, PRX20, PRX30			
ITU-T Recommendation G.652, 2009—Characteristics of a single-mode optical fibre and cable. ITU-T Recommendation G.657, 2009—Characteristics of a bending-loss insensitive single-mode optical fibre and cable for the access network. ==				
C/ 75B SC 75B.2.1 P 61 L 48 # 1037 Ganga, Ilango Intel	[2] 1260 - 1280 nm for all 10G upstream [3] 1290 - 1330 nm for PX40 ad PRX40			
Comment Type E Comment Status D There is no change to the last row of Tables 75B-1 and 75B-2. So remove underlining of contents to this row.	 While separation between [1] and [2] is not possibl based on WDM, and this what the tex currently says, WDM separation between [2] and [3] is technically possible. Stating that WDM separation between 1G and 10G upstream links is not possible, would be therefore not applicable to PX40/PRX40 and PR40 links. An alternative text "The 1260-1360 wavelength band and the 1260-1280 wavelength band overlap, thus WDM channel multiplexing cannot be used to separate the 1G upstream lin operating in 1260-1360 wavelength band from 10G upstream links operating in 1260-1280 wavelength band." 			
SuggestedRemedy As per comment Proposed Response Response Status W PROPOSED ACCEPT.				

C/ **75B** SC **75B.2.2**

C/ 75C SC 75C Anslow, Pete	<i>P</i> 65 Ciena	L 1	# 36	<i>Cl</i> 75C SC 75C.1 Ganga, llango	P 65 Intel	L 38	# 1038
Comment Type E Comment Status D The title of Annex 75C contains "at TP1-TP8" which is not in accordance with the style manual which includes: "Ranges should repeat the unit (e.g., 115 V to 125 V). Dashes should never be used because they can be misconstrued as subtraction signs."				Comment Type E Comment Status D Add missing cross reference to Equation(75C–1) SuggestedRemedy As per comment			
SuggestedRemedy In the title of Annex 750	C change "at TP1-TP8" to "at	t TP1 to TP8"		Proposed Response PROPOSED ACCEPT	Response Status W		
Proposed Response PROPOSED ACCEPT See #989 resolution.	Response Status W IN PRINCIPLE.						
C/ 75C SC 75C Booth, Brad	P 65 Dell	L1	# 989				
Comment Type ER Heading does not matc simplified.	Comment Status D th format used in IEEE Std. 8	302.3-2012. Title	could also be greatly				
SuggestedRemedy Change to read: Annex 75C (informative) Jitter at TP1-8 for 10GE	BASE-PR and 10/1GBASE-F	٩RX					
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.						
	to "Annex 75C (informative) and align the style with publi						
Annex 75C (informative) Jitter at	[paragraph tag AN,Anne [paragraph tag I,Informa [paragraph tag AT,Anne	tive]					
Strike the text "(informa Annex 75C as shown a	ative)" just one line below the bove:"	editing instruction	on "Change the title of				

Related comment: #36

CI 75C SC 75C.1