C/ 114 SC 114.6.2 P 35 L 42 # [i-1] Laubach, Mark Broadcom Limited	C/ 114 SC 114.7.3 P 37 L 11 # i-4 Laubach, Mark Broadcom Limited
Comment Type E Comment Status D Add a period at end of sentence for footnote "d".	Comment Type E Comment Status D OMA was defined on page 33. Just "OMA" here (will be consistent with not spelling out on line 21). Same line 13 for "TDP".
SuggestedRemedy As per comment. Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy As per comment. Proposed Response Response Status W PROPOSED REJECT.
C/ 114 SC 114.6.1 P 33 L 47 # i-2 aubach, Mark Broadcom Limited	The names in the table follow the convention established by prior standards (see Table 87 11 or Table 88-11 of 802.3-2015 Section 6).
Comment Type E Comment Status D Lowercase "M" and "A" in lines 47 and 49.	C/ 114 SC 114.7.3 P 37 L 26 # [i-5] Laubach, Mark Broadcom Limited Broadcom Limited
SuggestedRemedy As per comment. Proposed Response Response Status W PROPOSED REJECT.	Comment Type E Comment Status D Remove "(OMA)" from title, already has been defined. SuggestedRemedy As per comment.
The convention established by prior standards is to captilize "M" and "A" in the transmit characteristics table (see Table 87-7 or Table 88-7 in 802.3-2015 Section6).	Proposed Response Response Status W PROPOSED REJECT.
C/ 114 SC 114.6.1 P 33 L 50 # i-3 aubach, Mark Broadcom Limited Broadcom Limited <td>Title follows convention established by prior standards (see Clause 88.8.4).</td>	Title follows convention established by prior standards (see Clause 88.8.4).
Comment Type E Comment Status D "TDP" is used here before being defined in next table row entry. Define it here, modified following line to use "TDP" only.	C/ 114 SC 114.7.3 P 37 L 33 # i-6 Laubach, Mark Broadcom Limited Comment Type E Comment Status D
SuggestedRemedy As per comment.	Remove "(TDP)" from title, already has been defined. SuggestedRemedy
Proposed Response Response Status W PROPOSED REJECT.	As per comment. Proposed Response Response Status W
The use of the abbreviation TDP and its definition in the transmit characteristics table follows the example established by prior standards (see Table 87-7 or Table 88-7 in 802.3-2015 Section6).	PROPOSED REJECT. Title follows convention established by prior standards (see Clause 88.8.5).

C/ 114 SC 114.7.3 Laubach, Mark	P 37 Broadcom Limited	L 34	# i-7	C/ 114 SC 114.12.4.1 Laubach, Mark	P 43 Broadcom Lir	L 6 mited	# i-10
Comment Type E Be consistent with line 2	<i>Comment Status</i> D 28, change "Transmitter and disp	persion penalty	(TDP)" to "TDP".	Comment Type TR Comr Value/Comment needs text for 0	nent Status D CF1 and CF2.		
SuggestedRemedy As per comment.				SuggestedRemedy As per comment.			
Proposed Response PROPOSED REJECT.	Response Status W			Proposed Response Respo PROPOSED REJECT.	nse Status W		
Title follows convention	established by prior standards (see Clause 88.8	,	Follows example of established See Subclause 88.12.4.1 or Sub			k for CF1 and CF2.
C/ 114 SC 114.7.10 Laubach, Mark	P 39 Broadcom Limited	ב 9 ל	# i-8	C/ 114 SC 114.12.4.2 Laubach, Mark	P 44 Broadcom Lir	L 6	# [i-11
Comment Type E Add period to end of lin	Comment Status D e for "a)".			,	ment Status D	Inted	
SuggestedRemedy As per comment.				SuggestedRemedy	JVIT.		
Proposed Response PROPOSED ACCEPT.	Response Status W				nse Status W		
C/ 114 SC 114.7.10 Laubach, Mark	P 39 Broadcom Limited	L 22	# [i-9	PROPOSED REJECT. Follows example of established Subclause 88.12.4.2 or Subclau			k for CM1. See
Comment Type TR " <ital>f</ital> " needs to	Comment Status D be defined for use in Table 114-	10 What does	'f" represent?				
SuggestedRemedy Define "f", Add a table f	ootnote?						
Proposed Response PROPOSED REJECT.	Response Status W						
also do not define it, sir	y, which is understood. Establish nce it is understood. For example d to in Subclause 114.7.10.						

C/ 114 SC 114.12.4.5 P 45 L 12 Laubach, Mark Broadcom Limited	# i-12	C/ 114 Laubach, Ma	SC 114.7.3	P	P 37 Broadcom Lin	L 7	# i-14
Comment Type TR Comment Status D		Comment Ty		Comment Sta		Inted	
Value/Comment needs text for COM4, COM5, COM7, COM8, and COM9.					_	"Side mode sup	pression ratio". I did
SuggestedRemedy			lue of 30dB in				a cross reference to
As per comment.		SuggestedRe	emedy				
Proposed Response Response Status W		As per co	omment.				
PROPOSED ACCEPT IN PRINCIPLE.		Proposed Re	esponse	Response Sta	tus W		
Following the example of 100GBASE-LR4, the Value/Comment field of COI	M4, COM5,	PROPOS	SED REJECT.	·			
COM7, and COM8 specifies "Each lane" to indicate that the measurement s performed for each of the four lanes comprising the PMD (see Subclause 8 25GBASE-LR and 25GBASE-ER only have a single lane, and the convention is to leave this field blank (see Subclause 112.11.4.4). So these require no	8.12.4.5). on in this case			ablished by prior ion ratio (see Ta		dards that do no	t list related subclause
	onunge.	C/ 1	SC 1.4.64ca		P 18	L 8	# i-15
For COM9, the Subclause 114.7.10 references Subclause 95.8.8. Subclause		Anslow, Pete	r	C	ciena Corpora	ation	
applies to a four lane PMD, and contains specifications regarding agressor not apply to a single lane PMD. The Value/Comment field should remain bla		Comment Ty	pe E	Comment Sta	atus D		
new item below should be inserted in the list in 114.7.10. "g) The conditions for receiver aggressor lanes do not apply."		http://ww Accordin	w.ieee802.org		torial/require	ments/words.htm	nl#numb .4.64c1 and 25GBASE
C/ 114 SC 114.12.4.5 P 45 L 7	# i-13	SuggestedRe					
		00	er 1.4.64ca to	1.4.64c1			
aubach, Mark Broadcom Limited							
Laubach, Mark Broadcom Limited Comment Type TR Comment Status D			er 1.4.64ea to	1.4.64e1			
	n the front r Clause 1.3.	Renumb Proposed Re		Response Sta	tus W		
Comment Type TR Comment Status D I did not find a normative reference for "TIA/EIA-455-127-A" in IEEE Std. 80 Clause 1.3. I also did not find it added by any of the ammendments listed in matter on pages 12-13. Please add the normative reference as an insert for (Note: I found the same problem with 802.by-2016. Should have been cauge	n the front r Clause 1.3.	Renumb Proposed Re	esponse	Response Sta	tus W		
Comment Type TR Comment Status D I did not find a normative reference for "TIA/EIA-455-127-A" in IEEE Std. 80 Clause 1.3. I also did not find it added by any of the ammendments listed in matter on pages 12-13. Please add the normative reference as an insert for	n the front r Clause 1.3.	Renumb Proposed Re	esponse	Response Sta	tus W		
Comment Type TR Comment Status D I did not find a normative reference for "TIA/EIA-455-127-A" in IEEE Std. 80 Clause 1.3. I also did not find it added by any of the ammendments listed in matter on pages 12-13. Please add the normative reference as an insert for (Note: I found the same problem with 802.by-2016. Should have been cauge SuggestedRemedy	n the front r Clause 1.3.	Renumb Proposed Re	esponse	Response Sta	tus W		

C/ 45 S	C 45.2.1.6	P 20	L 16	# i-16	C/ 114 SC 114.6.3 P 36 L 13 # [i-19
Anslow, Peter	U 4J.2.1.0	Ciena Corpor	-	# 1-10	Lewis, Jon Dell
110101	02.3bv-2017 repla = reserved	mment Status D ced the reserved row f		h:	Comment Type E Comment Status D The text "40a" is not in line with other text in the table line.
1 1 0 1 0 0 SuggestedRem In the editin modified by Change the "1 1 0 1 0 1 in strikethro Remove the Proposed Resp PROPOSE 2 114 St nslow, Peter Comment Type	= BASE-H PMA/P edy ng instruction chan lEEE Std 802.3bd e row for 1 1 0 1 0 = " is not underlin ough font. e rows for 1 1 0 1 0 onse Res D ACCEPT. C 114.6.1 E Co	ge: "(as modified by IE q-2016 and IEEE Std 8 1 to "1 1 0 1 0 1 = 250 ned, "25GBASE-LR PM 0 0 and 1 1 0 1 0 x sponse Status W P 34 Ciena Corpor mment Status D	302.3bv-2017)" GBASE-LR PMA 1A/PMD" is unde <i>L</i> 15 ation	/PMDreserved", where rlined and "reserved" is # <u>i-17</u>	SuggestedRemedy Correct vertical spacing in that table cell. Proposed Response Response Status W PROPOSED ACCEPT. P L # i-20 Cl 0 SC 0 P L # i-20 Perry, Lisa Comment Type G Comment Status D This draft meets all editorial requirements. SuggestedRemedy Proposed Response Response Status W PROPOSED ACCEPT. Proposed Response Response Status W
Same issue uggestedRem In "5x10-5" Make the sa proposed Resp	e on page 35, line <i>edy</i> change the x char ame change on pa	racter to a multiply sigr		х.	C/ 45 SC 45.2.1.8 P 20 L 52 # [i-21] BUCANEG, DEMETRIO JR Hawaiian Electric Com Comment Type TR Comment Status D "PMD Transmit Disable" function is made available for both "25GBASE-LR and 25GBASE ER" respectively. If "DISABLE" feature is included, where is the "ENABLE" attribute? Why is it not needed?
Anslow, Peter Comment Type The note sh SuggestedRem Apply parag Proposed Resp	nould have paragra edy graph tag "Note" to	P 38 Ciena Corpor mment Status D aph tag "Note" (which w o the note. sponse Status W		# [i-18	SuggestedRemedy Proposed Response Response Status W PROPOSED REJECT. The normal state is for the transmitter to be enabled. When it is not disabled, it is enabled

CI 78SC 78.1.4P 22L 6# [i-22]BUCANEG, DEMETRIO JRHawaiian Electric Com	C/ 108 SC 108.5.3.2 P 26 L 17 # i-24 BUCANEG, DEMETRIO JR Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com
Comment Type G Comment Status D "PHY types optionally supporting EEE" appeared in alignment with the "EEE" column designations in "Table 105-2" for all "Nomenclatures". SuggestedRemedy	Comment TypeERComment StatusDLast sentence applies to "25GBASE-R RS-FEC" where "25GBASE-SR, 25GBASE-LR, and 25GBASE-ER PHY" are covered. That seemed to coordinate with "Table 105-2" as "Mandatory". However, "25GBASE-CR and 25GBASE-KR" have the same mandatory requirement as indicated in "Table 105-2" but were not included in this last sentence. Suggest the suitable addition as shown for Table 105-2 alignment.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT. C/ 105 SC 105.5 P 25 L 28 # i-23	Last sentence revision as: "This option shall not be used when the 25GBASE-R RS-FEC sublayer is used to form part of a 25GBASE-CR, 25GBASE-KR, 25GBASE-SR, 25GBASE-LR, or 25GBASE-ER PHY."
BUCANEG, DEMETRIO JR Hawaiian Electric Com	Proposed Response Response Status W
Comment Type GR Comment Status D	PROPOSED REJECT.
Quote as: "cShould there be a discrepancy between this table and the delay requirements of the relevant sublayer clause, the sublayer clause prevails." This 'Note c' is not necessary should "Table 105-3" is correctly aligned with Sub-clause "114.3" in this document. Suggest deleting notation as shown.	"Mandatory" in Table 105-2 indicates that RS-FEC is required. However, the sentence in Clause 108.5.3.2 realtes to the option of having the RS-FEC perform error detection without error correction. This option is not allowed for only 25GBASE-SR, 25GBASE-LR, and 25GBASE-ER.
SuggestedRemedy	
Delete Note c as: "cShould there be a discrepancy between this table and the delay requirements of the relevant sublayer clause, the sublayer clause prevails."	C/ 108 SC 108.7.3 P 27 L 10 # i-25 BUCANEG, DEMETRIO JR Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com
Proposed Response Response Status W	Comment Type GR Comment Status D
PROPOSED REJECT.	Add the corresponding "Subclause" references on "*LR and *ER" rows in the 'Table' of Subclause "108.7.3" for completeness.
"Note c" already exists in established standards. For example, see Table 80-5, which has an identical note. Also, "Note c" already exists in Table 105-3, to which these new rows are	SuggestedRemedy

Proposed Response Response Status W

PROPOSED REJECT.

The table in 108.7.3, to which this is being added, already has *KR, *CR, and *SR, and these also leave the Subclause reference blank. For consistency, *LR and *ER should follow this convention.

being added.

C/ 114 SC 114.5.5 P 32 L 23 # [i-26] BUCANEG, DEMETRIO JR Hawaiian Electric Com	C/ 114 SC 114.6.3 P 36 L 15 # [i-28] BUCANEG, DEMETRIO JR Hawaiian Electric Com
Comment Type ER Comment Status D "PMD Reset Function" should be labeled "(OPTIONAL)" to coordinate with the "Table" in Subclause "114.12.4.1" as per "Item CF11" if such. SuggestedRemedy Rewrite as: "114.5.5 PMD reset function (optional)"	Comment Type TR Comment Status D The value of "Channel Insertion Loss (max)" for "25GBASE-ER (30km)" in "Table 114-8" should match the same item in Page 40, Line 7 of "Table 114-11". "Table 114-8" showed "15 dB" compared to "18 dB" in "Table 114-11". SuggestedRemedy
Proposed Response Response Status W PROPOSED REJECT. Follows convention established in prior standards (see Clause 88.5.6 and CF12 in Clause 88.12.4.1).	Proposed Response Response Status W PROPOSED REJECT. The maximum channel insertion loss value for 30 km in Table 114-11 includes the
C/ 114 SC 114.6.1 P 34 L 9 # i-27 SUCANEG, DEMETRIO JR Hawaiian Electric Com	additional insertion loss allowed given in Table 114-8. The sum is 18 dB (channel loss of 15 dB + additional insertion loss of 3 dB). See Table 88-14 as a prior example. C/ 114 SC 114.9 P 39 L 39 # i-29
Comment Type TR Comment Status D Should the "RIN20OMA(max)" value in "Table 114-6" coordinate with Subclause "114.7.7 b)" in Page 38, Line 37?	BUCANEG, DEMETRIO JR Hawaiian Electric Com
SuggestedRemedy	Add and define "INS" marking of cable to align with the "*INS" row of "Table" in Subclause "114.12.3" Page 42, Line 11.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED REJECT.	Proposed Response Response Status W
Subclause 114.7.7 describes the definition of RIN20OMA and its measurement methodology. The value in Table 114-6 specifies the maximum value that is allowed when	PROPOSED REJECT.
measured as described in 114.7.7. So the clause is correct as written.	No remedy suggested. Comment meaning unclear. Clause follows example of prior standards (see Subclauses 88.10 and 88.12.3 in 802.3-2015 Section 6).

Cl 114 SC 114.12.4.1 P 43 L 32 # i-30 BUCANEG, DEMETRIO JR Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com Hawaiian Electric Com	C/ 114 SC 114.12.3 P 42 L 6 # [i-32 BUCANEG, DEMETRIO JR Hawaiian Electric Com
Comment Type G Comment Status D In "Status" column of "Table" in Subclause "114.12.4.1, Item CF11", what is "MD:O"? If "O" stands for "optional", then it partly aligns with other provisions in this document depending on the meaning of "MD". SuggestedRemedy	Comment Type GR Comment Status D In the "Table" of Subclause "114.12.3", the "*-asterisk" sign must be defined as notation of this "Table". SuggestedRemedy
Proposed Response Response Status W PROPOSED REJECT. No change is requested. In answer to the question, per Subclause 114.12.3, "MD" indicates "MDIO capability". "O" indicates "optional". "CF11" specifies that PMD reset shall be as described in Subcalse 114.5.5 if MDIO capability exists and if "PMD_reset" is	Proposed Response Response Status W PROPOSED REJECT. This is covered in Subclase 114.12.1, which directs readers to Clause 21 for detailed descriptions of symbols used in PICS proforma. In particular, Subclase 21.6 states, "Each item whose reference is used in a conditional symbol is indicated by an asterisk in the Item column."
asserted. If 114 SC 114.12.4.2 P 44 L 6 # [-31 UCANEG, DEMETRIO JR Hawaiian Electric Com Formment Type G Comment Status D In "Status" column of "Table" in Subclause "114.12.4.2, Item CM1", what is "MD:M"? If "O" stands for "manadatory", then it partly aligns with other provisions in this document depending on the meaning of "MD". SuggestedRemedy	C/ 114 SC 114.7.5.1 P 37 L 48 # i-33 BUCANEG, DEMETRIO JR Hawaiian Electric Com Comment Type TR Comment Status D Item "e) RIN of less than -138 dB/Hz" must be the correct value for the "RIN20OMA(max)" of "Table 114-6" in Page 34, Line 9. If so, please synchronize magnitude for alignment and disregard references to item "b)" in Subclause "114.7.7". Add reference statement to this effect. SuggestedRemedy
Proposed Response Response Status W PROPOSED REJECT. No change is requested. In answer to the question, per Subclause 114.12.3, "MD" indicates MDIO capability. "CM1" relates to the management register set, and "MD:M" indicates that the register set is mandatory if there is MDIO capability.	Proposed Response Response Status W PROPOSED REJECT. RIN of less than -138 dB/Hz corresponds to the requirements of the high quality reference transmitter for measuring TDP. The RIN20OMA spec of -130 dB in Table 114-6 is the specification required of an actual transmitter.

			-	-			
<i>Cl</i> 114 SC 114.6.1 Dawe, Piers J G	P 34 Mellanox Tech	L 7 nologie	# i-34	C/ FM SC FM Grow, Robert	P 13 RMG Consult	L 25 ing	# i-37
operate over a wide ter because the laser has better receiver reflectar overload by limits on m	Comment Status X nction ratio limit should be rela mperature range. The limit sho to run faster. This can be done nce and TDP than 10GBASE-L hax OMA and max average pow t affected by this change.	ould be lower the here because R. The receiv	han 10GBASE-LR 25GBASE-LR has er is protected from	SuggestedRemedy IEEE Std 802.3TM- This corrigendum cl Iane Physical Layer	arifies which lane of the media d entity (PHY) is used as the time	lependent interf	
SuggestedRemedy Change 3.5 dB to 3 dB				Proposed Response PROPOSED ACCE	Response Status W PT.		
Proposed Response DISCUSS	Response Status W			C/ 114 SC 114.6. Jones, Peter	3 P 36 Cisco System	L 9 ns, Inc.	# <mark>i-38</mark>
operate over a wide ter		ceiver is protec	ted from overload by	penalty becomes sig See the presentation king_03cc_01_0517 comment. SuggestedRemedy	n from Jonathon King to the 802 (was 25GBASE-LR-ER-MPI-20	3cc AdHoc me)17may.pdf) for	eting 10 May 2017, the data behind this
Proposed Response DISCUSS	Response Status W				ns are to be accounted for, ther will depend on the number and Response Status W		
C/ FM SC FM Grow, Robert	P 11 RMG Consultin	L 3 Ig	# i-36	DISCUSS			
Comment Type G This boxed paragraph i draft name.	Comment Status D is included in the published sta	ndard therefor	e, it should not use the				
SuggestedRemedy Change IEEE P802.3cd	c-20xx to IEEE Std 802.3cc-20	xx.					
Proposed Response PROPOSED ACCEPT.	Response Status W						