C/ FM SC FM P12 L20 # [-1	C/ FM SC FM P12 L22 # [-3
Lewis, Jon Dell EMC	Lewis, Jon Dell EMC
Comment Type E Comment Status D bucket IEEE Std 802.3ch has been published.	Comment Type E Comment Status D buck Amendment number is missing
SuggestedRemedy Change "IEEE Std 802.3ch™-20xx" to "IEEE Std 802.3ch™-2020"	SuggestedRemedy Add "Amendment 8" where "" is an em-dash
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
C/ FM SC FM P12 L38 # [-2	IEEE Std 802.3ch <sup>™</sup> -2020 has been assigned Amendment 8.
Lewis, Jon     Dell EMC       Comment Type     E     Comment Status     D     bucket       IEEE Std 802.3cr is currently ahead of P802.3cu in the publication order but is missing from the list of ammendments.     Image: Comment Status     Image: Comment Status	Changing the beginning of the description of IEEE Std 802.3ch™-2020 from: "This amendment includes changes to …" to: "Amendment 8—This amendment includes changes to"
SuggestedRemedy	
Add "IEEE Std 802.3cr™-20xx	C/ FM SC FM P12 L28 # [-4
This amendment includes changes to IEEE Std 802.3-2018 and adds Annex J. This	Lewis, Jon Dell EMC
amendment	
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology	Comment Type E Comment Status D buck Amendment number is missing
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC	Comment Type E Comment Status D buck
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology	Comment Type E Comment Status D buck Amendment number is missing
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and communication technology equipment" series and makes appropriate	Comment Type E Comment Status D buck Amendment number is missing SuggestedRemedy
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and communication technology equipment" series and makes appropriate changes to the standard corresponding to the new references."	Comment Type       E       Comment Status       D       buck         Amendment number is missing       SuggestedRemedy       Add "Amendment 9" where "" is an em-dash       D       D       D
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and communication technology equipment" series and makes appropriate changes to the standard corresponding to the new references."	Comment Type       E       Comment Status       D       buck         Amendment number is missing       SuggestedRemedy       Add "Amendment 9" where "" is an em-dash       Proposed Response       Response Status       W
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and communication technology equipment" series and makes appropriate changes to the standard corresponding to the new references." <i>Proposed Response</i> Response Status <b>W</b>	Comment Type       E       Comment Status       D       buck         Amendment number is missing       SuggestedRemedy       Add "Amendment 9" where "" is an em-dash       buck         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       IEEE Std 802.3ca <sup>™</sup> -2020 has been assigned Amendment 9.         Changing the beginning of the description of IEEE Std 802.3ca <sup>™</sup> -2020
replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and communication technology equipment" series and makes appropriate changes to the standard corresponding to the new references." <i>Proposed Response</i> Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Comment Type       E       Comment Status       D       buck         Amendment number is missing       SuggestedRemedy       Add "Amendment 9" where "" is an em-dash       buck         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       IEEE Std 802.3ca <sup>™</sup> -2020 has been assigned Amendment 9.

C/ 00 SC 0	P <b>12</b>	L <b>20</b>	# <u>1-</u> 5	C/ FM	SC FM	P <b>1</b>	L <b>30</b>	# I <u>-</u> 8
Maguire, Valerie	The Siemon C	Company		Grow, Rob	pert	RMG Consul	ting	
Comment Type E 802.3ch has publishe	Comment Status D		bucket	Comment IEEE numbe	Std 802.3ch-20	Comment Status <b>D</b> 20 is now published. P802.3c	r has been assiç	<i>bucket</i> gned amendment
SuggestedRemedy Replace, "802.3ch-20 amendment" on line Proposed Response PROPOSED ACCEP See response to com	Response Status W T IN PRINCIPLE.	nsert "Amendm	ent 8—" before "This	20xx" Proposed	e "IEEE Std 80 to the end of th	02.3ch-20xx" to "IEEE Std 802 e list and appropriately move t <i>Response Status</i> <b>W</b> T.		ld "IEEE Std 802.3cr-
C/ 00 SC 0	P <b>12</b>	L <b>2</b> 8	# 1-6	C/ FM	SC FM	P <b>3</b>	L <b>5</b>	# 1-9
Maguire, Valerie	The Siemon C		<i>"</i> 1-0	Grow, Rob		RMG Consul	ting	
Comment Type E Missing some templa	Comment Status D		bucket		e 802.3 list of t	Comment Status D erms, "Energy-Efficient Ethern	et" should be hy	phenated.
SuggestedRemedy	—" before "This amendment	"		Suggested "Energ	-	ernet". Also fix on p. 63, lines	38 and 47.	
Proposed Response PROPOSED ACCEP	Response Status W			Proposed PROP	Response OSED ACCEF	Response Status W T.		
C/ FM SC FM	P1	L10	# 1-7	C/ FM Grow, Rob	SC FM	P1 RMG Consul	L <b>31</b>	# [-10
Grow, Robert	RMG Consulti	ng		Comment		Comment Status D	ung	bucket
Comment Type E	Comment Status D		bucket		51	ym for Physical Layer, it is the	acronym for Ph	
SuggestedRemedy	ssigned this project an amendn	nent number.		Suggested Delete	lRemedy e "(PHY)".			
Amendment 11 Proposed Response PROPOSED ACCEP	Response Status W T IN PRINCIPLE.			Proposed PROP	Response OSED ACCEF	Response Status W T.		
This project has been	assigned Amendment 11.							
Change: "Draft Standard for Et Amendment:" to: "Draft Standard for Et Amendment 11:"								

C/ FM SC FM P3L1 # I-11 C/ FMSC FM P12 L26 # I-14 **RMG** Consulting Grow, Robert **RMG** Consulting Grow, Robert Comment Type E Comment Status D bucket Comment Type E Comment Status D bucket PHY is not the acronym for Physical Layer, it is the acronym for Physical Layer Device. Until published, the reference year should be incomplete. SugaestedRemedv SugaestedRemedv Delete "(PHY)". Change "2020" to "20xx". Proposed Response Proposed Response Response Status W Response Status W PROPOSED ACCEPT. PROPOSED REJECT. Based on the email below from David Law, "IEEE Std 802.3ca" has been published, and P12 C/ FM SC FM L20 # I-12 therefore the correct reference is "IEEE Std 802.3ca-2020". RMG Consulting Grow, Robert Comment Type E Comment Status D bucket -----Original Message-----From: Law, David <dlaw@HPE.COM> This amendment is no published. Sent: Thursday, June 25, 2020 8:14 AM SuggestedRemedv To: STDS-802-3-EDITORS@LISTSERV.IEEE.ORG Subject: [802.3 EDITORS] IEEE 802.3 amendment order Change "IEEE Std 802.3ch-20xx" to "IEEE Std 802.3ch-2020". Proposed Response Response Status W Dear all. PROPOSED ACCEPT. I wanted to let you all know that I've update the amendment order in the document <https://docs.google.com/spreadsheets/d/1mcLQWGYugZJB4W6H7jGEH-fbgpc-C/ FM SC FM P12 L22 # I-13 ifl4ia3DhOPvJsY/edit#gid=0> based on current project status as shown below. This is based on conditional approval for IEEE P802.3cu to proceed to Standards Association Grow. Robert **RMG** Consulting ballot, IEEE P802.3cp, IEEE P802.3ct and IEEE P802.3cv entering initial Working Group Comment Type E Comment Status D bucket ballot, and my estimate of where these and other projects are. This amendment has a number Best regards, SuggestedRemedy David Insert "Amendment 8 --" Proposed Response \_\_\_\_ Response Status W PROPOSED ACCEPT. Amendment 8: IEEE Std 802.3ch-2020 Approved Amendment 9: IEEE Std 802.3ca-2020 Approved Amendment 10: IEEE Std 802.3cr-20xx Draft D3.0 Amendment 11: IEEE Std 802.3cu-20xx Draft D2.2 Amendment 12: IEEE Std 802.3cp-20xx Draft D2.0 Amendment 13: IEEE Std 802.3ct-20xx Draft D2.0 Amendment 14: IEEE Std 802.3cv-20xx Draft D2.0 Amendment 15: IEEE Std 802.3cs-20xx Draft D1.0 Amendment 16: IEEE Std 802.3ck-20xx Draft D1 2 Amendment 17: IEEE Std 802.3cw-20xx

C/FM SCFM	P <b>12</b>	L <b>28</b>	# I-15	C/ 140	SC 140.6	P <b>40</b>	L16	# <u>1-</u> 22
Grow, Robert	RMG Consulti	ng		Dudek, Micha	el	Marvell		
Comment Type E	Comment Status D		bucket	Comment Typ	pe TR	Comment Status D		Intero
This amendment has	a number.					requirements for interoperati	ion for the output	power as well as the
SuggestedRemedy						ould be stated here.		
Insert "Amendment 9	" <u>.</u>			SuggestedRe	•			
Proposed Response	Response Status W				channel requi quirements.	rements" to "Channel and 10	JUGBASE-FR1 tr	ransmitter average
PROPOSED ACCEP	1.			Proposed Re	sponse	Response Status W		
C/ FM SC FM	P <b>12</b>	L <b>37</b>	# <u>I</u> -16	PROPOS	SED ACCEPT	IN PRINCIPLE.		
Grow, Robert	RMG Consulti	ng		Change f				
Comment Type E	Comment Status D		bucket			PMD interoperates with the 1		MD provided that the
	ferences Annex J2 (151.9.1), IE			channel i	equirements o	lefined in 140.10a.1 are met		
project in amendment assigned Amendmen	t number because it adds the A t 10.	Annex. And, P80	02.3cr has been			MD interoperates with the 10 efined in 140.10a.2 are met.		MD provided that the
SuggestedRemedy					·			
	20xx Amendment 10 This ar					MD interoperates with the 10 lefined in 140.10a.3 are met		MD provided that the
Std 802.3-2018 and a	adds Annex J. This amendment	t renlaces refere	peas to the IEC 60050	Charmeri	equirements c	1011100 111 140.10a.5 ale met		
aariaa of standarda (ij								
series of standards (i equipment—Safety—	ncluding IEC 60950-1 "Informat Part 1: General requirements")	tion technology		to:				
equipment—Safety— 62368 "Audio/video, i	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication	tion technology with appropriate technology equ	e references to the IEC lipment" series and		GBASE-FR1 I	PMD interoperates with the 1	100GBASE-DR P	PMD provided that the
equipment—Safety— 62368 "Audio/video, i makes appropriate ch	ncluding IEC 60950-1 "Informal Part 1: General requirements") information and communication nanges to the standard correspo	tion technology with appropriate technology equ onding to the ne	e references to the IEC iipment" series and w references This	"The 100		PMD interoperates with the 1 delines in 140.10a.1 are met		MD provided that the
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to	ncluding IEC 60950-1 "Informal Part 1: General requirements") information and communication nanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand	tion technology with appropriate technology equi- onding to the ne 18 and adds An dards (including	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1	"The 100 channel a	and power guid	delines in 140.10a.1 are met	t.	·
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolo	ncluding IEC 60950-1 "Informal Part 1: General requirements") information and communication nanges to the standard correspondent changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1	tion technology with appropriate technology equ onding to the ne 18 and adds An dards (including : General require	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with	"The 100 channel a The 1000	and power guid		t.	·
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference	ncluding IEC 60950-1 "Informal Part 1: General requirements") information and communication nanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1 as to the IEC 62368 "Audio/vide	tion technology with appropriate technology equ onding to the ne 18 and adds An dards (including General require o, information a	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication	"The 100 channel a The 1000 channel g	and power guid BBASE-LR1 P guidelines in 1	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met.	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: se to the IEC 62368 "Audio/vide tt" series and makes appropriat	tion technology with appropriate technology equ onding to the ne 18 and adds An dards (including General require o, information a	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: se to the IEC 62368 "Audio/vide tt" series and makes appropriat	tion technology with appropriate technology equ onding to the ne 18 and adds An dards (including General require o, information a	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met.	t. 00GBASE-DR PN	MD provided that the
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equipment—Safety— 62368 "Audio/video, in makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen corresponding to the Proposed Response PROPOSED ACCEP	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: set to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T.	tion technology with appropriate technology equ onding to the ne 18 and adds An dards (including General require o, information a	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, in makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen corresponding to the PROPOSED ACCEP C/ 140 SC 140.8.1	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: set to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T.	tion technology with appropriate technology equi onding to the ne 18 and adds An dards (including : General require to, information a te changes to the	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication e standard	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolog appropriate reference technology equipmen corresponding to the Proposed Response PROPOSED ACCEP C/ 140 SC 140.8.1 Grow, Robert	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: as to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T. <i>P</i> 52 RMG Consulti <i>Comment Status</i> D	tion technology with appropriate technology equi onding to the ne 18 and adds An dards (including : General require to, information a te changes to the	e references to the IEC lipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication e standard	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, in makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen corresponding to the Proposed Response PROPOSED ACCEP C/ 140 SC 140.8.1 Grow, Robert Comment Type T This subclause has n	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: as to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T. <i>P</i> 52 RMG Consulti <i>Comment Status</i> D	tion technology with appropriate technology equi onding to the ne 18 and adds An dards (including : General require to, information a te changes to the	e references to the IEC ipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication e standard # I-17	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, ii makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen corresponding to the Proposed Response PROPOSED ACCEP C/ 140 SC 140.8.1 Grow, Robert Comment Type T	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: as to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T. <i>P</i> 52 RMG Consulti <i>Comment Status</i> D	tion technology with appropriate technology equi onding to the ne 18 and adds An dards (including : General require to, information a te changes to the	e references to the IEC ipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication e standard # I-17	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the
equipment—Safety— 62368 "Audio/video, in makes appropriate ch amendment includes replaces references to "Information technolo appropriate reference technology equipmen corresponding to the Proposed Response PROPOSED ACCEP C/ 140 SC 140.8.1 Grow, Robert Comment Type T This subclause has no SuggestedRemedy	ncluding IEC 60950-1 "Informat Part 1: General requirements") information and communication hanges to the standard correspon changes to IEEE Std 802.3-20 o the IEC 60950 series of stand gy equipment—Safety—Part 1: as to the IEC 62368 "Audio/vide tt" series and makes appropriat new references. <i>Response Status</i> W T. <i>P</i> 52 RMG Consulti <i>Comment Status</i> D	tion technology with appropriate technology equi onding to the ne 18 and adds An dards (including : General require to, information a te changes to the	e references to the IEC ipment" series and w references This nex J. This amendment IEC 60950-1 ements") with nd communication e standard # I-17	"The 100 channel a The 1000 channel g The 1000	and power guid BBASE-LR1 P guidelines in 1 BBASE-LR1 P	delines in 140.10a.1 are met MD interoperates with the 10 40.10a.2 are met. MD interoperates with the 10	t. 00GBASE-DR PN	MD provided that the

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: Comment ID

Comment ID 1-22

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Interop

C/ 140 SC 14	).6.1	P <b>42</b>	L <b>32</b>	# I <u>-</u> 23	C/ 140 SC 140.6.	3 P <b>46</b>	L <b>32</b>	# <u>I-</u> 26
Dudek, Michael		Marvell			Dudek, Michael	Marvell		
Comment Type I It does not sav a		ent Status <b>D</b> igure and text sho	uld be inserted.	bucket	Comment Type E It does not say at w	Comment Status <b>D</b> nat point the figure and text she	ould be inserted.	bucke
SuggestedRemedy Add "at the end	·	Ū			SuggestedRemedy Add "at the end of s			
Proposed Response PROPOSED AC	,	se Status WIIPLE.			Proposed Response PROPOSED ACCE	Response Status W PT IN PRINCIPLE.		
There are sever improved.	I examples in Cl	ause 140 where th	ne editing instructi	ons could be	See response to I-2	3		
•					C/ 140 SC 140.7.	5a P 50	L7	# <u>1-</u> 27
Review all editin	g instructions in (	Clause 140 and up	date if necessary	with editorial license.	Dudek, Michael	Marvell		
Cl 140 SC 14 Dudek, Michael	0.6.2	P <b>43</b> Marvell	L <b>32</b>	# 1-24	<i>Comment Type</i> <b>T</b> There is only one la	Comment Status <b>D</b> ne for these Phys		bucke
Comment Type		ent Status <b>D</b> igure and text sho	uld be inserted.	bucket	SuggestedRemedy Delete "of each lane			
SuggestedRemedy Add "at the end	of section 140.6.	2"			Proposed Response PROPOSED ACCE	Response Status W PT.		
Proposed Response PROPOSED AC	•	se Status WIIPLE.			C/ <b>140</b> SC <b>140.7.</b> Dudek, Michael	10 P52 Marvell	L <b>23</b>	# I-28
See response to	I-23				Comment Type T	Comment Status D		measurement metho
C/ 140 SC 14		P <b>44</b>	L18	# I <u>-</u> 25	51	nave to meet the requirements	for all of the Phy	
Dudek, Michael		Marvell			SuggestedRemedy			
Comment Type T There is an erro		ent Status <b>D</b> eference "e" on the	e receiver sensitivi	<i>bucket</i> ty row. (These aren't	Change "for 100GB/ 100GBASE-FR1, ar	ASE-DR, Id 100GBASE-LR1." to "for the	PHY under test	n
test conditions).					Proposed Response	Response Status W		
SuggestedRemedy Delete the footn	ote reference				PROPOSED ACCE	PT IN PRINCIPLE.		
Proposed Response	Respor	se Status W				text from the 2nd item in the li 100GBASE-FR1, and 100GB/		

				-				
C/ 140 SC 140.7.10	P <b>52</b>	L <b>35</b>	# <u>I-29</u>	C/ 151	SC 151.11.2.	1 P88	6 L <b>29</b>	# <u>I-32</u>
Dudek, Michael	Marvell			Dudek, Mi	chael	Marve	I	
Comment Type TR The overshoot/unders more than this would c	Comment Status <b>D</b> hoot for the FR1/LR1 transmit over-stress it.	ters is limited.	measurement method Testing a receiver with		is 1.3dB addition	Comment Status nal insertion loss allow at this can be used for	ed in the LR4-6 budg	<i>channel characteristic</i> : get (table 151-9). It would on loss.
SuggestedRemedy				Suggested	dRemedy			
	et. "For 100GBASE-FR1 and not exceed the value specified				on can also be a			to say. "The additional tal connection loss of
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed	<i>Response</i> POSED ACCEPT	Response Status	w	
See response to I-81.				PROP	USED ACCEPT	IN PRINCIPLE.		
C/ 151 SC 151.7.3	P75	L <b>21</b>	# [-30	"The r				n allocation of 2 dB total
Dudek, Michael	Marvell			to:				
Comment Type E Footnotes "a" and "b" them.	Comment Status <b>D</b> only differ by the name of the	Phy. It would b	<i>bucket</i> e better to combine		naximum link dis ction and splice l		LR4-6 is based on ar	n allocation of 3.2 dB total
SuggestedRemedy					e Table 151-14 a	is follows: ).47dB/km for the row	" cabled optical fiber	attonuation (max)"
Make a single footnote	e referenced from the paramet is calculated using the maxim				ve footnote (a)			
	f 0.5 dB/km plus an allocation			<i>Cl</i> <b>151</b> Dudek, Mi	SC <b>151.13.4</b> . chael	2 P93 Marve		# [-33
Proposed Response PROPOSED ACCEPT	Response Status W			Comment		Comment Status wrong.	D	PIC
C/ 151 SC 151.8.5	P <b>79</b>	L <b>40</b>	# I-31	Suggested		114 mar a mar 14 fam. 1411		
Dudek, Michael	Marvell				ge "local fault" to			
Comment Type <b>T</b> The bandwidth is not e receiver for that PHY.	Comment Status <b>D</b> equivalen to any reference rec	eiver. It is the	measurement method specific reference		Response POSED REJECT.	Response Status	vv	
SuggestedRemedy								nically correct. It is not clarity of the draft, and
Change "equivalent to	a reference receiver" to "equi	valent to that of	the reference receiver"	makin	g it in isolation to	similar text in other	clauses may cause co	onfusion.
Proposed Response PROPOSED REJECT	Response Status W			For ta	sk force discussi	on.		
The text is consistent	with other PMD subclauses, e	.g., 122.8.5.						
•	nce receiver" is not clear from the wording across multiple P		ure maintenance					
	ed ER/editorial required GR/ spatched A/accepted R/reject ID				J U/unsatisfied	Z/withdrawn	Comment ID 1-33	Page 6 of 22 9/4/2020 10:27

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C/ 151	SC 151.13.4.2	P <b>93</b>	L18	# 1-34	C/ 151	SC 151.	2	P <b>89</b>	L <b>34</b>	# 1-36
Dudek, Micl	hael	Marvell			Lewis, Da	vid		Lumentum Inc		
Comment T	ype E	Comment Status D		PIC	s Comment	Туре Т	C	Comment Status D		interop
The val	ue/comment is wro	ong.						Ds is not a requirement.		
Suggested	Remedy						o might v	want to interoperate betw	een different P	MDs.
00	e "local fault" to "re	eceive fault"			Suggeste	-				
Proposed R PROPC	Response DSED REJECT.	Response Status W			intero	peration (info	rmative).		·	" to "Guidelines for
<b>T</b> I				University of the second	Remo	ove the word	requirem	nents" from Table 151-16	title.	
		with previous PMD clause remedy represents a impro			•	Response		esponse Status W		
		milar text in other clauses			PROF	POSED ACC	EPT IN P	RINCIPLE.		
For tasl	k force discussion.				_ "Requ	ge the title of uirements for		rom: ration between 400GBAS	E-LR4-6 and 4	00GBASE-FR4"
C/ 140	SC 140.10a	P <b>56</b>	L <b>45</b>	# 1-35	to: "Guid	elines for inte	roneratio	on between 400GBASE-L	R4-6 and 4000	BASE-ERA"
Lewis, Davi	d	Lumentum Inc	С.		Guid		roperatio		.114-0 and 4000	
Comment T	<i>уре</i> <b>т</b>	Comment Status D		intero	p Remo	ove the word	requirem	nents" from the title of Ta	able 151-16.	
		MDs is not a requirement. t want to interoperate betw			C/ 140	SC 140.	.5	P <b>49</b>	L <b>42</b>	# [-37
Suggested	Remedy				Lewis, Da	vid		Lumentum Inc	; <u>.</u>	
		0a, 140.10a.1, 140.10a.2 a			Comment			Comment Status D		measurement method
Tables	operation." to "Info 140-15 and 140-10 n loss ranges".	ormative guidance for inter 6 from "Channel insertion I	operation.". Cha loss requirement	nge the captions for s." to "Channel		are no refer linked locati		nnels for TDECQ testing 8.5.2).	of 100GBASE	FR1 or 100GBASE-LR1
	8	<b>D</b>			Suggeste	dRemedy				
Proposed R PROPC	SED ACCEPT IN	Response Status W PRINCIPLE.			121.8	.5.3" to ".m	easured ι	ed using the methods spe using the methods specif 21.8.5.3". Insert a new	ied in 121.8.5.1	, 121.8.5.2 for
"Requir	e the title of 140.10 ements for interop ASE-LR1"	)a from: peration between 100GBAS	SE-DR, 100GBAS	E-FR1 and	100G meet as Ta	BASE-FR1 a the requirem ble 151-12 b	nd 100Gl ents in Ta ut with Pl	BASE-LR1 transmitters a able 140-10a. Insert the MD types 400GBASE-FR I by 100GBASE-LR1. Ct	re tested using new Table 140 4 replaced by	optical channels that -10a in the same format 100GBASE-FR1 and
	ines for interopera	tion between 100GBASE-I	DR, 100GBASE-	R1 and 100GBASE-	minim	num and max	mum dis	persion of 100GBASE-L	R1 from 0.138	to 0.23. Change
Remov	e the word "require	ements" from the titles of 1	Table 140-15 and	Table 140-16	Proposed	Response	R	esponse Status W		
1 CHION					PROF	POSED ACC	EPT IN P	RINCIPLE.		
					The s	uggested rer	nedy may	y not be the most efficien	t way to addres	ss the issue.
					A pre	sentation is e	xpected	capturing an alterenative	set of changes	to address the issue.
					Pend	ing presentat	on and ta	ask force discussion.		

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: Comment ID

Comment ID 1-37

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C/ 151	SC 151.3.2	P <b>65</b>	L36	# <u>1-</u> 38	C/ 140 SC 14	40.9	P <b>54</b>	L <b>23</b>	# I <u>-</u> 41
Lewis, David	ł	Lumentum Inc	:		Lewis, David		Lumentum Inc	c.	
Comment Ty	vpe E	Comment Status D		bucket	Comment Type	Е	Comment Status D		buck
		ust is deprecated and cannot used only to describe unavoid		stating mandatory			ist is deprecated and cannot used only to describe unavoid		<u> </u>
SuggestedR	Remedy				SuggestedRemedy	/			
change	"must be kept v	within limits" to "shall be kept	within limits".		In footnote c, cl	change "s	system must tolerate" to "sys	tem shall tolera	ite"
Proposed Re PROPO	esponse SED ACCEPT.	Response Status W			Proposed Response PROPOSED A		Response Status W		
C/ 151	SC 151.10	P <b>87</b>	L <b>42</b>	# 1-39	C/ 151 SC 15	51.1	P <b>63</b>	L <b>40</b>	# 1-42
Lewis, David	ł	Lumentum Inc	:		Lewis, David		Lumentum Inc	c.	
Comment Ty	vpe E	Comment Status D		bucket	Comment Type	Е	Comment Status D		buck
		ust is deprecated and cannot used only to describe unavoid		stating mandatory			ist is deprecated and cannot ised only to describe unavoid		<u> </u>
	nents, must is u	•		stating mandatory		must is u	•		<u> </u>
requiren SuggestedR	nents, must is u	used only to describe unavoid		stating mandatory	requirements, n	must is u ⁄	ised only to describe unavoid		<u> </u>
requiren SuggestedR In footno Proposed Re	nents, must is u <i>Remedy</i> ote c, change m	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b>		stating mandatory	requirements, n SuggestedRemedy	must is u ⁄ change m se	used only to describe unavoid nust to shall. Response Status <b>W</b>		<u> </u>
requiren SuggestedR In footno Proposed Ro PROPO	nents, must is u Remedy ote c, change m esponse	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b>		stating mandatory # [-40	requirements, n SuggestedRemedy In footnote a, cl Proposed Response	must is u / change m se ACCEPT.	used only to describe unavoid nust to shall. Response Status <b>W</b>		<u> </u>
requiren SuggestedR In footno Proposed Re PROPO Cl 151	nents, must is u Remedy ote c, change m esponse SED ACCEPT. SC <b>151.5.4</b>	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b>	able situations.		requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED A	must is u / change m se ACCEPT.	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b>	dable situations.	
requiren SuggestedR In footno Proposed Re	nents, must is u Remedy ote c, change m esponse SED ACCEPT. SC <b>151.5.4</b>	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> P <b>68</b>	able situations.		requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED AC Cl 140 SC 14 Lewis, David	must is u / change m se ACCEPT.	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> P <b>37</b>	dable situations.	
requirem SuggestedR In footno Proposed Re PROPO Cl 151 Lewis, Davic Comment Ty The use	nents, must is u Remedy ote c, change m esponse SED ACCEPT. SC 151.5.4 d ype E of the word mu	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <b>P68</b> Lumentum Inc	able situations.	# <u>I-40</u> bucket	requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED AC Cl 140 SC 14 Lewis, David Comment Type The use of the s	must is u change m se ACCEPT. 40.1 E word mu	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> P <b>37</b> Lumentum Inc	L <b>34</b> Lable situations.	# <u>I-43</u> <i>buck</i> stating mandatory
requiren SuggestedR In footno Proposed Ro PROPO Cl 151 Lewis, Davic Comment Ty The use requiren	nents, must is u Remedy ote c, change m esponse ISED ACCEPT. SC <b>151.5.4</b> d ype <b>E</b> of the word mu nents, must is u	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> 68 Lumentum Inc <i>Comment Status</i> <b>D</b> ust is deprecated and cannot	able situations.	# <u>I-40</u> bucket	requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED AC Cl 140 SC 14 Lewis, David Comment Type The use of the s	must is u change m se ACCEPT. 40.1 E word mu must is u	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> <b>37</b> Lumentum Inc <i>Comment Status</i> <b>D</b> ust is deprecated and cannot	L <b>34</b> Lable situations.	# <u>I-43</u> <i>buck</i> stating mandatory
requiren SuggestedR In footno Proposed Re PROPO Cl 151 Lewis, David Comment Ty The use requiren SuggestedR	nents, must is u Remedy ote c, change m esponse SED ACCEPT. SC 151.5.4 d ype E of the word munents, must is u Remedy	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> 68 Lumentum Inc <i>Comment Status</i> <b>D</b> ust is deprecated and cannot	able situations. <i>L</i> 30 be used when s able situations.	# <u>I-40</u> bucket	requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED AC Cl 140 SC 14 Lewis, David Comment Type The use of the v requirements, n	must is u change m se ACCEPT. 40.1 E word mu must is u	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> <b>37</b> Lumentum Inc <i>Comment Status</i> <b>D</b> Ist is deprecated and cannot ised only to describe unavoid	L <b>34</b> Lable situations.	# <u>I-43</u> <i>buck</i> stating mandatory
requiren SuggestedR In footno Proposed Re PROPO Cl 151 Lewis, David Comment Ty The use requiren SuggestedR	nents, must is u Remedy ote c, change m esponse SED ACCEPT. SC 151.5.4 d ype E of the word mu nents, must is u Remedy "implementation	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> 68 Lumentum Inc <i>Comment Status</i> <b>D</b> ust is deprecated and cannot used only to describe unavoid	able situations. <i>L</i> 30 be used when s able situations.	# <u>I-40</u> bucket	requirements, n SuggestedRemedy In footnote a, cl Proposed Response PROPOSED AC Cl 140 SC 14 Lewis, David Comment Type The use of the requirements, n SuggestedRemedy	must is u change m se ACCEPT. 40.1 E word mu must is u change m	used only to describe unavoid nust to shall. <i>Response Status</i> <b>W</b> <i>P</i> <b>37</b> Lumentum Inc <i>Comment Status</i> <b>D</b> Ist is deprecated and cannot ised only to describe unavoid	L <b>34</b> Lable situations.	# <u>I-43</u> <i>buck</i> stating mandatory

C/ 140	SC 140.6.1	P <b>42</b>	L <b>28</b>	# 1-44	C/ 140	SC	140.7.5	P <b>49</b>	L37	# I <u>-</u> 47
_ewis, Davi	d	Lumentum Inc	:		Maki, Jeffe	ry		Juniper Net	works, Inc.	
Comment T	уре Е	Comment Status D		bucket	Comment T	Туре	TR	Comment Status D		measurement method
	ments, must is u	st is deprecated and cannot sed only to describe unavoid		tating mandatory	includir	ng a ta		or external-subclause addi ng "Transmitter compliano R1.		
00	iote b, change m	ust to shall.			Suggested	Remed	ly			
Proposed R PROPC	Response DSED ACCEPT.	Response Status W				rovidin	g "Transm	external-subclause additi itter compliance channel s		
C/ 151	SC 151.9.4	P <b>86</b>	L <b>22</b>	# I-45	Proposed F			Response Status W		
_ewis, Davi	d	Lumentum Inc	:.			0011				
Comment T	ype E	Comment Status D		bucket	See re	sponse	e to I-37			
	e of will is depree nly used in state	cated and cannot be used wh ments of fact	en stating man	datory requirements,	C/ 140	SC	140.6.2	P <b>45</b>	L15	# <mark>I-48</mark>
SuggestedF	Remedy				Zhang, Bo			Inphi Corpo	oration	
Change	e "will be met" to	"are met"			Comment T		E	Comment Status D		Rx characteristic
Proposed R	•	Response Status W			Y axis sensitiv		d as OMA	_outer (dBm) whereas the	Figure and the s	ub-section is on Rx
PROPU	OSED ACCEPT.				Suggested	Remed	ly			
C/ 151	SC 151.4	P <b>66</b>	L <b>51</b>	# I-46	Sugges	st char	nge the Y a	axis to Receiver Sensitivity	1.	
_ewis, Davi	d	Lumentum Inc			This pr	opose	d change	also applies to page 51 (Fi	g 140-5), and pa	ge 74 (Fig 151-4).
Comment T	<i>уре</i> Е	Comment Status D		bucket	Proposed F	Respor	nse	Response Status W		
	e of will is depred nly used in state	cated and cannot be used wh ments of fact	en stating man	datory requirements,	PROP	OSED	ACCEPT	IN PRINCIPLE.		
SuggestedF	Remedy							n the y-axis is listed in Tab		
		ts will not typically be access	ible" to "these to	est points are not	(OMAo	outer) (I	max)". Sc	it is sensitivity measured	in OMA dBm, no	t in average power dBm.
	y accessible"				Change	e axis t	title to: Re	ceiver sensitivity(OMAoute	er) (max) (dBm)	
Proposed R	Response	Response Status W								
PROPC	OSED ACCEPT.									

0.46	00.445	<b>D</b>		11 1.46	0/			<b>Da</b> <i>i</i>	. –	<i>u</i> <b>b</b> = :
C/ 140	SC 140.7.5	P <b>49</b>	L <b>44</b>	# <u>I-49</u>	CI 78		78.7.4	P <b>24</b>	L <b>7</b>	# <u>I-51</u>
Zhang, Bo		Inphi Corpora	ition		Ran, Adee		_	Intel		
Comment 7		Comment Status D	Leith die Cellereit	bucket	Comment	• •	E	Comment Status D		editing instruction
	•	ith and incomplete phrase,	with the following	ig exceptions:	Accord	ling to	the style i	manual (18.2.2):		
Suggested	•		in whene of the	and of this name would be				when text or tables are bein		efore, strikethrough (for
		ception if any or remove th tter and dispersion eye clos			and	ns) an	a undersc	ore (for insertions) should be	Indicated	
Proposed F	Response	Response Status W			"Insert	shall I	be used to	add new text, equations, tal	oles, or figures	n the standard".
PROPO	OSED REJECT.				Here a	in exist	ing table	is being modified, not a new	one inserted.	
This dr	aft is amending C	lause 140.			Also ir	the fo	llowing pla	aces, page/subclause/Line:		
The ed	iting instruction or	n p49, line 39 is changing tl	he first paragrap	h of 140.7.5.	25 80. 26 80.					
	-				32 116		3			
		e" editing instruction, delete by underlining and unchang			33 116	6.4 38				
		ically imported from the Cla			Suggested		-			
The list	t of exceptions fol	lowing the first paragraph o	f 140 7 5 are no	t being changed and	•			to "change" and underline th	ie new text. Ap	bly in all listed places.
		ed to import them from Clau		t being enanged, and	Proposed	•	nse REJECT.	Response Status W		
CI 30	SC 30.5.1.1.2	P <b>19</b>	L12	# <u>1-</u> 50						
Ran, Adee		Intel			For ta	bles, b consist	ringing in ent with th	the entire table and using a ne letter of the style manual,	Change editing	instruction is definitely
Comment 7	Гуре Е	Comment Status D		editing instruction			rge) table		bat le not a ge	a laca for many
Accord	ing to the style main	anual (18.2.2):			The st	برام راید	d in Table	e 78-1, Table 80-1, Table 80-	5 Table 116-2	and Table 116-6 of
		when text or tables are being re (for insertions) should be		efore, strikethrough (for	using a	an Inse	ert editing	instruction and stating where eviously published amendme	the new rows	
	shall be used to a	add new text, equations, tab	oles, or figures ir	n the standard".						
Here a	n existing subclau	ise is being modified, not a	new one inserte	ed.						
Suggestedl	Remedy									
Change	e the instructions	to "change" (3 times) and ι	Inderline the new	v text.						
Proposed F	Response	Response Status W								
PROPO	OSED REJECT.									
		diting instruction in this see e.g. 802.3cd, 802.3cm and		nt with previously						
approp		style manual (18.2.2), "Ins uction in this circumstance, ied.								

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: Comment ID

Comment ID 1-51

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C/ 140	SC 140.1	P38	L1	# 1-52	C/ <b>140</b>	SC 140.6.2	P <b>43</b>	L <b>38</b>	# 1-54			
Ran, Adee		Intel			Ran, Adee		Intel					
Comment T	Туре Е	Comment Status D		Editing instruction	Comment Ty	pe E	Comment Status D		bucket			
Accord	ling to the style i	manual (18.2.2):			Where a	re the new figu	ure and text inserted?					
		when text or tables are being		ore, strikethrough (for	In the ne	xt page, Table	e 140-7 is changed but there	is no corespondi	ng editorial instruction.			
deletion and	ns) and undersc	ore (for insertions) should be	indicated"		SuggestedRe	emedy						
	shall be used to	add new text, equations, tab	les, or figures in	the standard".			to "change" and include cor action for the figure.	ntext to identify th	ne location of the new			
		epalced and its title is change	ed (the "change"	instruction can't be	Proposed Re	esponse	Response Status W					
	d to a figure).				PROPOS	SED ACCEPT	IN PRINCIPLE.					
Suggested		to "replace" the figure and "c	hande" the title	Remove the underlines	See resp	onse to I-23						
in the f		to replace the lighte and t	inange the title.									
Proposed F	Response	Response Status W			C/ 140	SC 140.6.3	P <b>46</b>	L <b>43</b>	# 1-55			
PROP	OSED REJECT.				Ran, Adee	_	Intel					
lu thia	subclause the	diting instruction is making n	ninor changes to	the text within an	Comment Ty	,	Comment Status D		bucket			
	In this subclause the editing instruction is making minor changes to the text within an					Where are the new figures and text inserted?						
		replacing the figure with a co	ompletely new fig	ure.		•						
existing	g figure, and not				SuggestedRe	emedy						
existino An edit	g figure, and not ting instruction o	f "change" rather than "replac	ce" would appear	to be more	SuggestedRe	emedy	after Table 140-8" or wherev	er it is intended.				
existing An edit approp	g figure, and not ting instruction o		ce" would appear	to be more	SuggestedRe Add to th	emedy ne instruction "						
existing An edit approp what ha	g figure, and not ting instruction o priate in this case as not).	f "change" rather than "replac	ce" would appear fy what has chan	to be more	SuggestedRe Add to th Add the i Proposed Re	emedy ne instruction " numbers of the esponse	'after Table 140-8" or wherev e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b>					
existing An edit approp what ha	g figure, and not ting instruction o priate in this case as not).	f "change" rather than "replace, and helps the reader identi	ce" would appear fy what has chan	to be more	SuggestedRe Add to th Add the i Proposed Re	emedy ne instruction " numbers of the esponse	'after Table 140-8" or wherev e new figures, 140-2c and 14					
existing An edit approp what ha This ap	g figure, and not ting instruction o oriate in this case as not). oproach is also o SC <b>140.6.1</b>	f "change" rather than "replace, and helps the reader identi	ce" would appear fy what has chan ice.	to be more ged in the figure (and	SuggestedRe Add to th Add the i Proposed Re PROPOS	emedy ne instruction " numbers of the esponse	'after Table 140-8" or wherev e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b>					
existing An edit approp what ha This ap C/ <b>140</b>	g figure, and not ting instruction o vriate in this case as not). opproach is also o SC <b>140.6.1</b>	f "change" rather than "replace a, and helps the reader identi consistent with previous pract	ce" would appear fy what has chan ice.	to be more ged in the figure (and	SuggestedRe Add to th Add the i Proposed Re PROPOS	emedy he instruction " numbers of the esponse SED ACCEPT	'after Table 140-8" or wherev e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b>		# 1 <u>-56</u>			
existing An edit approp what ha This ap C/ <b>140</b> Ran, Adee Comment T	g figure, and not ting instruction o oriate in this case as not). opproach is also o SC <b>140.6.1</b> Type <b>E</b>	f "change" rather than "replace a, and helps the reader identi consistent with previous pract <i>P</i> <b>42</b> Intel	ce" would appear fy what has chan ice.	to be more ged in the figure (and # [-53	SuggestedRe Add to th Add the i Proposed Re PROPOS See resp	emedy ne instruction " numbers of the sponse SED ACCEPT ponse to I-23	'after Table 140-8" or wherev e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> ' IN PRINCIPLE.	0-2d.	# [ <u>-56</u>			
existing An edit approp what ha This ap C/ <b>140</b> Ran, Adee Comment T	g figure, and not ting instruction o oriate in this case as not). oproach is also o SC <b>140.6.1</b> Type <b>E</b> are the new tab	f "change" rather than "replace, and helps the reader identic consistent with previous practing P42 Intel Comment Status D	ce" would appear fy what has chan ice.	to be more ged in the figure (and # [-53	SuggestedRe Add to th Add the r Proposed Re PROPOS See resp Cl 140	emedy numbers of the esponse SED ACCEPT ponse to I-23 SC 140.7.9	after Table 140-8" or wherever e new figures, 140-2c and 14 <i>Response Status</i> ₩ <sup>7</sup> IN PRINCIPLE. <i>P</i> <b>51</b>	0-2d.	# [ <u>-56</u> bucket			
existing An edit approp what ha This ap C/ <b>140</b> Ran, Adee Comment T Where Suggested	g figure, and not ting instruction o oriate in this case as not). oproach is also o SC <b>140.6.1</b> Type <b>E</b> are the new tab <i>Remedy</i>	f "change" rather than "replace, and helps the reader identic consistent with previous practing P42 Intel Comment Status D	ce" would appear fy what has chan cice.	to be more ged in the figure (and # [-53	SuggestedRe Add to th Add the r Proposed Re PROPOS See resp Cl 140 Ran, Adee Comment Ty	emedy numbers of the esponse SED ACCEPT ponse to I-23 SC 140.7.9 pe E	'after Table 140-8" or whereve e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> <sup>-</sup> IN PRINCIPLE. <i>P</i> <b>51</b> Intel	0-2d. L <b>26</b>	bucket			
existing An edit approp what ha This ap C/ 140 Ran, Adee Comment T Where Suggested Add to	g figure, and not ting instruction o oriate in this case as not). opproach is also o SC 140.6.1 Type E are the new tab Remedy the instruction "	f "change" rather than "replace e, and helps the reader identi consistent with previous pract P42 Intel Comment Status D le and text inserted?	ce" would appear fy what has chan cice.	to be more ged in the figure (and # [-53	SuggestedRe Add to th Add the r Proposed Re PROPOS See resp Cl 140 Ran, Adee Comment Ty	emedy the instruction " numbers of the esponse SED ACCEPT bonse to I-23 SC 140.7.9 pe E 140-5 a new 1	'after Table 140-8" or whereve e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> TIN PRINCIPLE. <i>P</i> <b>51</b> Intel <i>Comment Status</i> <b>D</b>	0-2d. L <b>26</b>	bucket			
existing An edit approp what ha This ap C/ <b>140</b> Ran, Adee Comment T Where Suggested Add to Proposed F	g figure, and not ting instruction o oriate in this case as not). opproach is also o SC 140.6.1 Type E are the new tab Remedy the instruction "	f "change" rather than "replace e, and helps the reader identi consistent with previous pract P42 Intel Comment Status D le and text inserted? after Table 140-6" or wherever Response Status W	ce" would appear fy what has chan cice.	to be more ged in the figure (and # [-53	SuggestedRe Add to th Add the i Proposed Re PROPOS See resp Cl 140 Ran, Adee Comment Ty Is Figure SuggestedRe	emedy the instruction " numbers of the esponse SED ACCEPT ponse to I-23 SC 140.7.9 pe E 140-5 a new semedy	'after Table 140-8" or whereve e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> TIN PRINCIPLE. <i>P</i> <b>51</b> Intel <i>Comment Status</i> <b>D</b>	0-2d. L <b>26</b> change to existing	bucket g figure 140-5?			
existing An edit approp what ha This ap C/ 140 Ran, Adee Comment T Where Suggested Add to Proposed F PROPO	g figure, and not ting instruction o oriate in this case as not). opproach is also o SC 140.6.1 Type E are the new tab Remedy the instruction " Response	f "change" rather than "replace e, and helps the reader identi consistent with previous pract P42 Intel Comment Status D le and text inserted? after Table 140-6" or wherever Response Status W	ce" would appear fy what has chan cice.	to be more ged in the figure (and # [-53	SuggestedRe Add to the Proposed Re PROPOS See resp Cl 140 Ran, Adee Comment Ty Is Figure SuggestedRe If no cha Proposed Re	emedy a instruction " numbers of the esponse SED ACCEPT bonse to I-23 SC 140.7.9 pe E 140-5 a new emedy nge, separate esponse	l'after Table 140-8" or whereve e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> <sup>-</sup> IN PRINCIPLE. <i>P</i> <b>51</b> Intel <i>Comment Status</i> <b>D</b> figure, a replacement, or no o	0-2d. L <b>26</b> change to existing	<i>bucket</i> g figure 140-5?			
existing An edit approp what ha This ap C/ 140 Ran, Adee Comment T Where Suggested Add to Proposed F PROPO	g figure, and not ting instruction o oriate in this case as not). opproach is also o SC 140.6.1 Type E are the new tab Remedy the instruction " Response OSED ACCEPT	f "change" rather than "replace e, and helps the reader identi consistent with previous pract P42 Intel Comment Status D le and text inserted? after Table 140-6" or wherever Response Status W	ce" would appear fy what has chan cice.	to be more ged in the figure (and # [-53	SuggestedRe Add to the Proposed Re PROPOS See resp C/ 140 Ran, Adee Comment Ty, Is Figure SuggestedRe If no cha Proposed Re PROPOS	emedy a instruction " numbers of the esponse SED ACCEPT bonse to I-23 SC 140.7.9 pe E 140-5 a new emedy nge, separate esponse	'after Table 140-8" or whereve e new figures, 140-2c and 14 <i>Response Status</i> <b>W</b> "IN PRINCIPLE. <i>P</i> <b>51</b> Intel <i>Comment Status</i> <b>D</b> figure, a replacement, or no of the editorial instruction to two <i>Response Status</i> <b>W</b>	0-2d. L <b>26</b> change to existing	<i>bucket</i> g figure 140-5?			

C/ 151	SC 15	1.5.4	P68	L10	# 1-57	C/ 140	SC	140.6.3	P <b>46</b>	L <b>46</b>	# 1-59
Huber, Th	omas		Nokia			Stassar, F	Peter		Huawei Tecl	nnologies Co. Lte	b
Comment	Туре Е		Comment Status D		PMD functional spec	Comment	Туре	Е	Comment Status D		power budge
paragi the inf	raphs belo	w the tal	ble 151-4 and the final para ble) are both providing addi ble. It would be better to cor	tional informatio	on on how to interpret	under Table	stand tl 140-8	ne relation Also appl	res 140-2c and 140-2d are ship between these figures ies to new Clause 151, sub	and the illustrati	
Suggested						Suggestee		•			
Chang	e the para		bove Table 151-4 to read a						to be expanded. A presentant nt comment resolution mee		c text proposals will be
151.5.		apn as	the third sentence), and de	lete the last para	agraph in clause	Proposed	Respo	nse	Response Status W		
						PROF	POSED	ACCEPT	IN PRINCIPLE.		
lanes.	The value		be a global indicator of the		Ū	Pendi	ng pres	entation a	nd task force discussion.		
	5iGNAL_1 le 151-4.	JETECT	parameter shall be genera	ited according to	o the conditions defined	C/ 140	SC	140.6.1	P <b>41</b>	L <b>32</b>	# 1-60
		entations	of the Signal Detect function	on are permitted	d by this standard,	Sommers	, Scott		Molex Incorp	orated	
includ		that der	nerate the SIGNAL DETEC	T narameter va	lues in response to the	Comment	Type	т	Comment Status D		Tx characteristic
amplit modul power modul 400GE	ude of the ation of the of the ated optica BASE-R si	e optical al signal gnal is b	signal and implementation . The PMD receiver is not re eing received. This	s that respond t equired to verify	o the average optical whether a compliant	"1300 tempe <i>Suggestee</i>	to 132 erature dReme	0". Reasor operation. dy	the contents for "Wavelen n: To enable uncooled DFB	oth (range)" from laser applicatior	"1304.5 to 1317.5" to 1 for industrial
			ponse time requirements o	n the generation	n of the		to 1320				
•	Response		Response Status W			Proposed	•		Response Status W		
PROP	OSED RE	JECT.				PROF	POSED	REJECT.			
lt is no	ot clear tha	t the su	hat has been done in previo ggested remedy represents plation to similar text in othe	a improvement	to the clarity of the	target chang	applica je.	ation, or ar	e merit, but the commenter ny technical data to support	the technical fea	asability of the proposed
The co	ommenter	may wa	nt to request a maintenance	e item for this.		range		clude char	ed to develop a detailed pr ges to other optical paran		
C/ FM	SC FM	l	P <b>12</b>	L <b>20</b>	# I-58	disper	Sion pe	narry).			
Trowbridge	e, Stephen		Nokia								
Comment P802.	<i>Type</i> <b>E</b> 3ch has be		Comment Status <b>D</b> ished		bucket						
Suggested Chang		d 802.30	chTM-20xx to IEEE Std 802	2.3chTM-2020							
Proposed PROP	Response OSED AC		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: Comment ID

Comment ID 1-60

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C/ 140 SC 140.6.2	P <b>44</b>	L <b>9</b>	# I-61	C/ 140	SC 140.6.1	P41	L37	# 1-63
Sommers, Scott	Molex Incorpo		# 1-01	Dawe. Pier		Mellanox Teo	•••	# 1-03
Comment Type <b>T</b>	Comment Status D	lateu	Rx characteristics	Comment		Comment Status D	ciniologies	Tx characteristics
In Table 140-7; chang	ge the contents for "Wavelength son: To enable uncooled DFB l		n "1304.5 to 1317.5" to	100GE standa 100GE	BASE-DR and 10 and says so or not BASE-DR one. It	OGBASE-FR1 are expected t). So the 100GBASE-FR1 t 's not worth making a specia but super-high extinction rati	transmitter must i al case for 0.2 dB	ble (whether this not be weaker than the
SuggestedRemedy				Suggested		ou super-nigh extinction rati		
1300 to 1320 Proposed Response PROPOSED REJECT	Response Status W			Chang 100GE dBm.	e 100GBASE-FF BASE-DR. As a d	R1 average launch power (m consequence, change avera	agé receive power	(min) from -7.1 to -6.9
See response to com	ment I-60.					nd the 100GBASE-FR1 trans verage launch power (min) f		
C/ 140 SC 140.9	P <b>54</b>	L <b>21</b>	# 1-62	Proposed I	Response	Response Status W		
Sommers, Scott	Molex Incorpo	rated		PROP	OSED REJECT.			
	Comment Status <b>D</b> e 140-11, change note b," b Ov Reason: To enable uncooled			respon 100GE	ise to comment # BASE-FR1 from -		hange average la	unch power (min) for
SuggestedRemedy 1300 to 1320					w poll taken durir lo:Abstain).	g the meeting supported the	e comment respo	nse by 16:2:6
Proposed Response PROPOSED REJECT	Response Status W			The co	ommenter has no	t provided any new data to s	support reversing	the task force decision.
See response to com	ment I-60.							

C/ 140	SC 140.6.1	P <b>41</b>	L <b>51</b>	# <u>I-64</u>	C/ 140	SC 1	40.6.1		P <b>42</b>	L <b>7</b>	# <u>1-</u> 65
Dawe, Pi	ers J G	Mellanox Tec	hnologies		Dawe, Pier	s J G		M	ellanox Te	chnologies	
Commen	t Type <b>TR</b>	Comment Status D		Tx characteristics	Comment	Туре	TR	Comment Sta	tus <b>D</b>		Tx characteristics
optic	al PAM4 clauses	e protected from over-emphasis s, 400ZR and 100GBASE-ZR. all of these (but if you believe t	Over/under-sho	oot and peak-to-peak	transm	itter mu	ist not tra	0GBASE-FR1 ar Insmit a worse sig			
	dRemedy				Suggested						
	-	10(Ceq) and TECQ - 10log10(	Cea) for 100GB	ASE-ER1 and				Ceq) for 100GBA		5.4 dB.	
100G	BASE-LR1 to 3	.4 dB.			Proposed I			Response Sta	tus <b>W</b>		
		ed to generate such bad signa e 140-7 Conditions of stressed			PROP	OSED F	REJECT.				
SEC	Q - 10log10(Cec ove the inserted	(max) of 3.4 dB. wording in 140.7.5 and 5th ite SE-FR4 400GBASE-LR4-6.		-				usly submitted a s ith the following v		mment #30 agair	st D2.1. The comment
Proposed	l Response	Response Status W			"This is	s a simil	ar comm	ent to #59, #62,	#68, #69,	and #87 against	D2.0. These five
•	, POSED REJEC	,			commo and re	olace it v	re rejecte with over	shoot limits.	ce due to a	an earlier decisio	n to remove 10logCeq
					The re	sponse	to #87 is	included here for			
		iously submitted a similar com with the following wording:	ment #30 again	st D2.1. The comment							ference call , the Task u TF meeting in Geneva
10000		with the following wording.									ectly reflect this decision
		ment to #59, #62, #68, #69, a						changes to remo	ove "SECC	Q-10Log10(Ceq)"	from the receiver
	eplace it with ov	cted by the task force due to ar rershoot limits.	a earlier decision	n to remove TulogCeq	specifi	cations)					
The r	esponse to #87	is included here for reference.				Poll #1:					
		of Straw Poll #1 taken at the 3 s to maintain the decision mad						usion of TDECQ th Tx and Rx tab		q) parameter, I s	upport:
		0Log10(Ceq) and to clean up						and Rx tables: 9			
	ding among oth fications).	er changes to remove "SECQ-	10Log10(Ceq)"	from the receiver	(17 Ab						
spec	lications).				The co	mmente	er has no	t provided any ne	ew data to	support reversin	g the task force decision.
	/ Poll #1:							· · · · · · · · · · · · · · · · · · ·			g
		nclusion of TDECQ-10log(Ceq) both Tx and Rx tables: 27	) parameter, I su	ipport:							
b) Re	instate for both	Tx and Rx tables: 9									
(17 A	bstain)"										
The o	commenter has	not provided any new data to s	upport reversing	g the task force decision.							
				-							

Mellanox Ter <i>Comment Status</i> <b>D</b> ECQ - TECQ   (max) limits sort- imum penalty is at zero dispers ong link. Also, I would prefer a f benalty at each dispersion - at I acceptable transmitters simplent is silly. Q - TECQ   (max)" row. ASE-FR4 400GBASE-LR4-6. <i>Response Status</i> <b>W</b> CT. s added during task force review e response to that comment is	of dispersion per ion, it doesn't tell ransmitter with k east it's good sor y because they a	l us the sensitivity to ow back-to-back penalty mewhere. This spec	signals receive <i>Suggested</i> Chang Similar <i>Proposed I</i> PROP	Type <b>TR</b> ansmitter transit s could pass this er against ultra-s <i>Remedy</i> e 17 ps to 16 ps rly for 400GBAS	Comment Status ion time (max) is proba s and fail TDECQ. But slow signals that are h s for for 100GBASE-Ff E-FR4 400GBASE-LF Response Status	ably ineffective: only th t an effective spec use ard to receive. R1 and 100GBASE-LR R4-6.	fully protects the
ECQ - TECQ   (max) limits sort- imum penalty is at zero dispers ong link. Also, I would prefer a f penalty at each dispersion - at I at acceptable transmitters simple n is silly. Q - TECQ   (max)" row. ASE-FR4 400GBASE-LR4-6. <i>Response Status</i> <b>W</b> CT. s added during task force review	ion, it doesn't tell ransmitter with lo east it's good sor y because they a	halty, but as we can't I us the sensitivity to bw back-to-back penalty mewhere. This spec	The tra signals receive Suggested Chang Similar Proposed I PROP	ansmitter transit s could pass this er against ultra-s <i>Remedy</i> e 17 ps to 16 ps rly for 400GBAS Response	ion time (max) is proba and fail TDECQ. But slow signals that are h for for 100GBASE-FF E-FR4 400GBASE-LF <i>Response Status</i>	ably ineffective: only th t an effective spec use ard to receive. R1 and 100GBASE-LR R4-6.	ne most exceptional fully protects the
imum penalty is at zero dispers ong link. Also, I would prefer a to penalty at each dispersion - at I at acceptable transmitters simplen is silly. Q - TECQ   (max)" row. ASE-FR4 400GBASE-LR4-6. <i>Response Status</i> <b>W</b> CT. s added during task force review	ion, it doesn't tell ransmitter with lo east it's good sor y because they a	l us the sensitivity to ow back-to-back penalty mewhere. This spec	signals receive <i>Suggested</i> Chang Similar <i>Proposed I</i> PROP	s could pass this er against ultra-s <i>Remedy</i> e 17 ps to 16 ps ly for 400GBAS Response	s and fail TDECQ. But slow signals that are h s for for 100GBASE-FF E-FR4 400GBASE-LF <i>Response Status</i>	t an effective spec use ard to receive. R1 and 100GBASE-LR R4-6.	fully protects the
ASE-FR4 400GBASE-LR4-6. <i>Response Status</i> <b>W</b> CT. s added during task force reviev			Proposed I PROP	Response	Response Status		
ASE-FR4 400GBASE-LR4-6. <i>Response Status</i> <b>W</b> CT. s added during task force reviev			PROP	•	•	W	
Response Status W CT. s added during task force review				OSED REJECT	•		
CT. s added during task force reviev			The co				
	(see comment a	#2 against D1.1 which	incomp	plete, and has n			n is broken or transmitter transition time
	pasted below.					ed proposal for transm irement will improve th	
			CI 140	SC 140 6 1	DAC	) / 17	# 1-68
		:1;					# 1-00
			,			•	The strength of the strength o
cole_01b_0120 the following the	ree straw polls w	vere taken:		51		-	Tx characteristics
			limits.	As these PMDs	o-peak power (max) III s may be used back-to	b-back with zero loss, t	his impacts receiver
			Suggested	Remedy			
			Consid	ler reducing the	se, particularly for 100	GBASE-LR1, by a cou	uple of tenths of a dB.
			•	•	,	w	
					ot demonstrated that t	he current specificatio	n is broken or
	1 and 100GBASE	E-LR1 as proposed in					
	-10log10(Ceq) for 100GBASE-F he table with values for 100GBASE- F cole_01b_0120 the following the noving TDECQ-10Log(Ceq) for and 400GBASE-LR4-6 as propose ding TECQ (max) for 100GBASE R4-6 and with the values proposed tional changes proposed in slide mree changes to 100GBASE-FR th editorial license."	ECQ with values for 100GBASE-FR1 and -LR1. f cole_01b_0120 the following three straw polls v moving TDECQ-10Log(Ceq) for 100GBASE-FR1 nd 400GBASE-LR4-6 as proposed in cole_01b_( ding TECQ (max) for 100GBASE-FR1,100GBAS R4-6 and with the values proposed in slides 24 at ding a TDECQ-TECQ specification for 100GBAS R4 and with the values proposed in slides 24 and tional changes proposed in slide 20 of cole_01b_ mree changes to 100GBASE-FR1 and 100GBASE th editorial license."	-10log10(Ceq) for 100GBASE-FR1 and -LR1; he table with values for 100GBASE-FR1 and -LR1; ECQ with values for 100GBASE-FR1 and -LR1. f cole_01b_0120 the following three straw polls were taken: moving TDECQ-10Log(Ceq) for 100GBASE-FR1,100GBASE-LR1, nd 400GBASE-LR4-6 as proposed in cole_01b_0120. ding TECQ (max) for 100GBASE-FR1,100GBASE-LR1, 400GBASEFR4 R4-6 and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1 R4 and with the values proposed in slides 24 and 27 of cole_01b_0120, tional changes proposed in slide 20 of cole_01b_0120.	-10log10(Ceq) for 100GBASE-FR1 and -LR1;C/ 140he table with values for 100GBASE-FR1 and -LR1;Dawe, PierECQ with values for 100GBASE-FR1 and -LR1.Dawe, Pierf cole_01b_0120 the following three straw polls were taken:Comment Tmoving TDECQ-10Log(Ceq) for 100GBASE-FR1,100GBASE-LR1,The traimits.designding TECQ (max) for 100GBASE-FR1,100GBASE-LR1, 400GBASEFR4SuggestedConsidConsidding TECQ (max) for 100GBASE-FR1,100GBASE-LR1, 400GBASEFR4Proposed IR4-6 and with the values proposed in slides 24 and 27 of cole_01b_0120.Proposed Iding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1Proposed IR4 and with the values proposed in slides 24 and 27 of cole_01b_0120,Furthertional changes proposed in slide 20 of cole_01b_0120.Furtherrree changes to 100GBASE-FR1 and 100GBASE-LR1 as proposed inFurtherth editorial license."N00GBASE-FR1 and 100GBASE-LR1 as proposed in	<ul> <li>-10log10(Ceq) for 100GBASE-FR1 and -LR1;</li> <li>the table with values for 100GBASE-FR1 and -LR1;</li> <li>ECQ with values for 100GBASE-FR1 and -LR1.</li> <li>f cole_01b_0120 the following three straw polls were taken:</li> <li>moving TDECQ-10Log(Ceq) for 100GBASE-FR1,100GBASE-LR1, nd 400GBASE-LR4-6 as proposed in cole_01b_0120.</li> <li>ding TECQ (max) for 100GBASE-FR1,100GBASE-LR1, 400GBASEFR4</li> <li>R4-6 and with the values proposed in slides 24 and 27 of cole_01b_0120.</li> <li>ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1</li> <li>R4 and with the values proposed in slides 24 and 27 of cole_01b_0120, tional changes proposed in slides 24 and 27 of cole_01b_0120, tional changes proposed in slides 24 and 27 of cole_01b_0120.</li> <li>The commenter has n incomplete.</li> <li>Furthermore the sugge in such a way that it we have the ditorial license."</li> </ul>	-10 log 10 (Ceq) for 100 GBASE-FR1 and -LR1; te table with values for 100 GBASE-FR1 and -LR1; ECQ with values for 100 GBASE-FR1 and -LR1; f cole_01b_0120 the following three straw polls were taken: moving TDECQ-10Log(Ceq) for 100 GBASE-FR1,100 GBASE-LR1, nd 400 GBASE-LR4-6 as proposed in cole_01b_0120. ding TECQ (max) for 100 GBASE-FR1,100 GBASE-LR1, 400 GBASEFR4 R4-6 and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100 GBASE-FR1,100 GBASELR1 R4 and with the values proposed in slides 24 and 27 of cole_01b_0120, tional changes proposed in slide 20 of cole_01b_0120. The commenter has not demonstrated that to incomplete. Furthermore the suggested remedy does no in such a way that it would improve it on the the ditorial license."	-10 <sup>1</sup> og10(Ceq) for 100GBASE-FR1 and -LR1; te table with values for 100GBASE-FR1 and -LR1; ECQ with values for 100GBASE-FR1 and -LR1. f cole_01b_0120 the following three straw polls were taken: moving TDECQ-10Log(Ceq) for 100GBASE-FR1,100GBASE-LR1, and 400GBASE-LR4-6 as proposed in cole_01b_0120. ding TECQ (max) for 100GBASE-FR1,100GBASE-LR1, 400GBASEFR4 R4-6 and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1 Ad and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1 R4 and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1 R4 and with the values proposed in slides 24 and 27 of cole_01b_0120. ding a TDECQ-TECQ specification for 100GBASE-FR1,100GBASELR1 R4 and with the values proposed in slides 24 and 27 of cole_01b_0120. tional changes to 100GBASE-FR1 and 100GBASE-LR1 as proposed in th editorial license."

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: Comment ID

C/ 140	SC 140.6.1	P <b>42</b>	L25	# 1-69	C/ 140 SC	2 140.6.3	P <b>46</b>	L34	# 1-71
Dawe, Piers 、		<b>۲ 42</b> Mellanox Tech		# 1-09	Dawe, Piers J G		<b>۲ 40</b> Mellanox Teo		# <u>[[-/]</u>
comment Ty		Comment Status D	liologies	Tx characteristics	Comment Type		Comment Status D	cillologies	power budge
This note signal str the style grandfath	, e "Average lau rength" dates t manual: not a	nch power (min) is informative pack to when OMA was new a llowed to mix informative and ending on the exact values, it	nd unfamiliar. normative in a f	Part of it is contrary to table, although it's	Wordsmithin a The chann 140-5 for 10 dB/km plus b The chann	ng for clarit nel insertion 00GBASE-I an allocation nel insertion	y and accuracy: change: n loss is calculated using the DR and 100GBASE-FR1 and on for connection and splice n loss is calculated using the R1 and fiber attenuation of	l cabled optical fi loss given in 140 e maximum dista	nce specified in Table ber attenuation of 0.5 ).10.2.1. nce specified in Table
strength"	to just "Averag	e launch power (min) is not th	e principal indio	cator of signal		or connection	on and splice loss given in 14		
Proposed Re PROPOS	esponse SED ACCEPT	Response Status W IN PRINCIPLE. ange to the footnote for 100Gf	3ASE-FR1 and	100GBASE-LR1.	a The chanı using the m of 0.5 dB/kn b The chanı specified in	aximum dis n plus an a nel insertion Table 140-	n losses for 100GBASE-DR stances specified in Table 14 llocation for connection and n loss for 100GBASE-LR1 is 5 and fiber attenuation of 0.4	40-5 and cabled of splice loss given calculated using 43 dB/km at 1304	optical fiber attenuation in 140.10.2.1. g the maximum distance
The same	e change canr	not be made for 100GBASE-D	R, which is out	of scope.			on and splice loss given in 14	40.10.2.1.	
Implomo	nt with editoria	Lliconco			Proposed Responses PROPOSEI		Response Status W		
Impleme					FROFUSE	DACCEPT			
2/ 140	SC 140.6.1	P <b>43</b>	L <b>21</b>	# I-70					
awe, Piers .	JG	Mellanox Tech	nologies						
	, if putting the k	Comment Status <b>D</b> snee at 1.4 dB is a bit high, the the dispersion penalty might		<i>Tx characteristics</i> applies more to					
SuggestedRe	emedy								
		nee to 1.2 dB by reducing the (min) for 100GBASE-LR1 cou							
Proposed Re	esponse	Response Status W							
PROPOS	SED REJECT.								
	ete. The comm	t demonstrated that the curre ent is speculative and also wr							
		sted remedy does not contain ould improve it on the basis of							

					-	-			
C/ 140	SC 140.7.5a	P <b>50</b>	L <b>8</b>	# <u>I-</u> 72	C/ 140	SC 140.7.5b	P <b>50</b>	L <b>13</b>	# 1-74
Dawe, Pie	rs J G	Mellanox Tec	hnologies		Dawe, Pie	rs J G	Mellanox Tec	hnologies	
Comment Never	TypeTRComwrite "shall be measured	<i>ment Status</i> <b>D</b> I" in 802.3; it's not a	test spec. Use t	<i>bucket</i> he standard form of	Comment perce		Comment Status D		measurement method
words					Suggeste	dRemedv			
and	dRemedy ECQ of each lane shall b BASE-LR1 if measured m	-			Delete	e: we don't say TI	DECQ decibellage. The % is point another way. remains.	s in the table.	Calling it "relative
ехсер 140-1	t that the test fiber is not				•	Response POSED ACCEPT	Response Status W IN PRINCIPLE.		
	_	onse Status W			Delete	e the word "perce	ntage" from the first sentenc	e of 140.7.5b a	and 151.8.9.
•	POSED ACCEPT IN PRIN				C/ 140	SC 140.7.5b	P <b>50</b>	L <b>20</b>	# 1-75
Chan	ge from:				Dawe, Pie	rs J G	Mellanox Tec	chnologies	
"The <sup>-</sup> and 1 The T	FECQ of each lane shall to DOGBASE-LR1 if measure ECQ of each lane shall b 5, except that the test fib	ed using a test patte e measured using th	rn specified for 7	ECQ in Table 140-10.	Trans relativ	smithing: change mitter overshoot re to the level 3	Comment Status D	Ū	parameter definitions transmitter (Pmax)
and 1 excep 140-1	FECQ of each lane shall to DOGBASE-LR1 if measure t that the test fiber is not 0." a similar change in 151.6	ed using the method used. The test patte	ls specified for T rn specified for T	DECQ in 140.7.5,	power Simila	l overshoot is def and relative to th arly for undershoo	ined as the maximum power ne signal's OMAouter accord t. Same in 151.8.9 if it rema	ling to:	ignal above the level 3
	•				•	Response	Response Status W		
C/ <b>140</b>	SC 140.7.5b	P <b>50</b>	L10	# I-73	PROF	POSED ACCEPT	IN PRINCIPLE.		
Dawe, Pie <i>Comment</i> Mislea		Mellanox Teo ment Status <b>D</b> over/under-shoot"	hnologies	parameter definitions	"Tran	smitter overshoot	definition in 140.7.5b to: is defined as the maximum r and relative to the transmit		
S <i>uggeste</i> Chang Also i	ge to "Signal over/under-s	shoot" or "Relative or	ver/under-shoot"	or "Over/under-shoot".	"Tran	smitter undershoo	t definition in 140.7.5b to: ot is defined as the minimum r and relative to the transmit		
•	Response Response Response	onse Status W			Make	a simlar change	in 151.8.9 with editorial licer	nse.	
The c	ommenter has not provide	ed a reason why the	name is mislead	ling.					
	ermore the suggested ren al options.	nedy does not conta	in a specific prop	oosal, but simply lists					
COMMEN	/technical required ER/e T STATUS: D/dispatchec DER: Comment ID	ditorial required GR I A/accepted R/reje	/general required ected RESPO	l T/technical E/editorial G/g NSE STATUS: O/open W/wi	general ritten C/close	d U/unsatisfied 2		nent ID 1-75	Page 17 of 22 9/4/2020 10:27:

9/4/2020 10:27:32 AM

C/ 140 SC 140.7.5b P50 L31 # [-76	C/ 140 SC 140.7.5c P50 L50 # 1-78
Dawe, Piers J G Mellanox Technologies	Dawe, Piers J G Mellanox Technologies
Comment Type T Comment Status D measurement method	Comment Type T Comment Status D measurement meth
A 1% hit ratio is very lax, much different to the spec SER. This isn't the same situation as a traditional mask hit ratio.	For 100GBASE-LR1, the combination of the loss in a long channel and the over/under- shoot limit means that limiting peak-to-peak power at TP3 may be unnecessary. For 100GBASE-FR1, the loss might be only 0.6 dB.
SuggestedRemedy	
Determine what correlates to receiver performance. If appropriate, change to 1e-3, with corresponding change to the limit (see rodes_3cu_01a_052620 for measurements on one particular build standard). Use explicit scope noise loading to get consistent results with strong and weak signals. Same in 151.8.9 if it remains.	SuggestedRemedy Consider not requiring compliance to peak-to-peak power for 100GBASE-LR1 at TP3. For 100GBASE-FR1, adjust the measured result by the adding the loss of the test channel and subtracting 0.5 dB. It may be easier to create separate entries and limits for peak-to-peak power for 100GBASE-LR1 at TP2 and at TP3.
Proposed Response Response Status W	Proposed Response Response Status W
PROPOSED REJECT.	PROPOSED ACCEPT IN PRINCIPLE.
The commenter has not demonstrated that the current specification is broken or incomplete	See response to comment I-93.
and has not demonstrated that changing the hit ratio would improve the quality of the draft.	C/ 140 SC 140.7.5c P50 L52 # 1-79
Furthermore the commenter has not provided a specific proposal to modify the draft .	Dawe, Piers J G Mellanox Technologies
The commenter is invited to develop a detailed proposal for hit ratio with evidence that	Comment Type TR Comment Status D parameter definition
C/     140     SC     140.7.5c     P 50     L 45     # [-77       Dawe, Piers J G     Mellanox Technologies     Mellanox Technologies     parameter definitions       Comment Type     T     Comment Status     D     parameter definitions	The positive and negative peaks of an optical signal can be very different. An obvious example is a directly modulated laser, but other transmitters are not symmetric also, and chromatic dispersion can make this worse. An optical receiver copes with positive and negative excursions from the mean and needs protection from both extremes; the positive and negative peaks must be limited separately. <i>SuggestedRemedy</i>
Misleading name: "Transmitter peak-to-peak power"	Change "Transmitter peak-to-peak power" which is Pmax - Pmin to "Transmitter power
SuggestedRemedy Change to "Signal peak-to-peak power" or "Peak-to-peak power" (or see another comment). Also in 151. Proposed Response Response Status <b>W</b>	excursion", defined as max(Pmax-Paverage, Paverage-Pmin). Take 3 dB off the limits in Table 140-6. Or, define "effective peak-to-peak power" as 2*max(Pmax-Paverage, Paverage-Pmin). Make similar changes in Clause 151.
PROPOSED REJECT.	Proposed Response Response Status W
	PROPOSED REJECT.
The commenter has not provided a reason why the name is misleading. Furthermore the suggested remedy does not contain a specific proposal, but simply lists several options.	The commenter has not demonstrated that the current specification is broken or incomplete. The comment is speculative concerning the behavior of transmitters.
	Furthermore the suggested remedy does not contain a specific proposal to modify the drat in such a way that it would improve it on the basis of evidence provided.
	In such a way that it would improve it on the basis of evidence provided.

www. Piers J G       Mellanox Technologies         mment Type       TR       Comment Status       D       measurement method         Here, the penalty in the signal for RS testing is called SECQ, while in 140.6.3 and p52 line;       Dawe, Piers J G       Mellanox Technologies         ggestedRemedy:       Options are:       Change to SECQ to align with base document. Consider repurposing SECQ to "signal every time.       Dawe, Piers J G       Mellanox Technologies         Define ECQ "eye closure (quaternary)" or       Define ECQ "eye closure (quaternary)" for general use including when it's not necessarily of transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TDECQ), or stressed signal at TP3 (TSECQ).       PROPOSED REJECT.         100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency.       To closure for the fragment of the signal at page 52, line 1, apply to 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 is out of scope.       Dawe, Piers J G       Mellanox Technologies         Dawe, Piers J G       Mellanox Technologies       Dawe, Piers J G       Mellanox Technologies         Dawe, Piers J G       Mellanox Technologies       Dawe, Piers J G       Mellanox Technologies         Dawe, Piers J G       Mellanox Technologies       Dawe, Piers J G       Mellanox Technologies         Dawe, Piers J G       Mellanox Technologies       Dawe, Piers J G       Mellanox Technologies         Dawe, Piers J G       Mellanox	C/ 140 S	C 140.7.9	P51	L15	# 1-80	C/ 140	SC 140.10	1 <i>P</i> 55	L <b>20</b>	# I-82
mment Type       TR       Comment Status       D       measurement method         Here, the penalty in the signal for RS testing is called SECQ, while in 140.6.3 and p52 line       Tid yup       SuggestedRemedy         Options are choose (We asys use the same thing, every time.       Genoment Type       E       Comment Type       E       Comment Type       E       Comment Status       D       m         Options are choose (We asys use the same thing, every time.       Genoment Type       E       Comment Type       E       Comment Type       E       Comment Status       D       m       Tid yup         SuggestedRemedy       Options (mean type)       F       Comment Type       E       Comment Type       E       Comment Type       E       Comment Status       D       m       Tid yup         SuggestedRemedy       Options (mean type)       F       Comment Type       E       Comment Type       E       Comment Type       F       Comment Type       T       Tid yup       SuggestedRemedy       Make the table full width.       It is not clear that the suggested remedy represents an improvement to the clarity of the draft.         PROPOSED ACCEPT IN PRINCIPLE.       100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR1 and 100GBASE-LR4 and	Dawe, Piers J (									
7 Its TECQ. Rule says use the same name for the same thing, every time.         ggestedRemedy         Options are:         Change to SECQ to align with base document. Consider repurposing SECQ to "signal eyer         Jobs provide the table full width. Also Table 151-14.         Proposed Response Status W         Portion stere, consistency.         Adjust 151 for consistency.         Portion consistency.         PROPOSED ACCEPT IN PRINCIPLE.         100GBASE-DR reserver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-LR1 and 100GBASE-LR1 is out of scope.         The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-LR1 only. The draft could be improved to make this clearer. A presentation is expected.         Pending presentation and task force discussion.         140       SC 140.7.10         Psi Comment Status D       measurement method         Deveringer ask to chard the list saying so.       Melianox Technologies         memment Type T       Comment Status D       measurement method         Deveringer ask to table staying so.       Melianox Technologies         mement Type T       Comment Status D       measurement method         Do we need to say that the stressed receiver conformance test signal obeys the rules for organized method and previously in Table 140-4 and Table 151-4 delete the text "for 400GBASE-ER4 and 400GBASE-LR4-6" <tr< td=""><td>Comment Type</td><td></td><td></td><td>5</td><td>measurement method</td><td>,</td><td></td><td></td><td>5</td><td>misc</td></tr<>	Comment Type			5	measurement method	,			5	misc
ggestel/Remedy         Options are:         Change to SEC to align with base document. Consider repurposing SECQ to "signal eye dosure (quaternary)" for general use including when it's not necessarily of transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TDECQ), or stressed signal at TP3 (TDECQ).         Adjust 151 for consistency.         opcosed Response       Response Status W         PROPOSED REJECT.         100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-IR1 and 100GBASE-IR1 is out of scope.         The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-IR1 and 100GBASE-IR1 is clearer. A presentation is expected.         Pending presentation and task force discussion.         100       S C 140.7.10       P52       L 35       # L81         0 we, Piers J G       Mellanox Technologies         mment Type T       Comment Status D       measurement method or "and modify Table 140-4.4         PROPOSED ACCEPT IN PRINCIPLE.       In Table 151-4 delet full with. Also Table 140-4.4         Proposed Response Status W       PROPOSED ACCEPT is Nervice Commance test signal obeys the rules for or "and modify Table 140-4.4         Proposed Response Measurement method and pack-to-peak power (if applicable)?       measurement method for "and modify Table 140-4.4         PROPOSED ACCEPT IN PRINCIPLE.       In Table 151-4 delete the text "for 400GBASE-LR4.6"         This change makes th						Tidy u	p			
Options are:       Invace the table for Wold, Asso Fable 10144.         Change to SEC to align with base document. Consider repurposing SEC to "signal eye observed represents an improvement of the clarity of transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), dispersed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), dispersed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), dispersed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), dispersed signal at TP3 (TECQ), or stressed signal at TP3 (TECQ), dispersed signal at the stressed receiver conformance test s			s use the same name for the s	ame thing, ev	ery time.	Suggested	Remedy			
Change to SECQ to align with base document. Consider repurposing SECQ to "signal ever closure (quaternary)", or Define ECQ "eye closure (quaternary)" for general use including when it's not necessarily of transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TDECQ), or stressed signal at TP3 (SECQ).       PROPOSED REJECT.         Adjust 151 for consistency.       There are no requirements for tables to be full width.         tis not clear that the suggested remedy represents an improvement to the clarity of the consistency with 100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-FR1 and 100GBASE-LR1 is out of scope.       The three new paragraphs starting at page 52, lin 1, apply to 100GBASE-FR1 and 100GBASE-LR1 only. The draft could be improved to make this clearer. A presentation is expected.       The or are of reach.       Dawe, Piers J G       Mellanox Technologies         Proposed Response       Response Status W       Proposed Response       Response Status W       D         Preding presentation and task force discussion.       There is no average receive power, each lane (min) in Table 151-8 for 400GBASE-LR4-6" (as Table 140-4) or change "and" to "or" and modify Table 140-4.         140       SC 140.7.10       P52       L35       # [s]         Do we need to say that the stressed receiver conformance test signal obeys the rules for overlunder-shoot and peak-to-peak power (if applicable)?       measurement method Do we need to say that the stressed receiver conformance test signal obeys the rules for overlunder-shoot and peak-to-peak power (if applicable)?       measurement method Do we need to say that the strasyin	00					Make	the table full w	idth. Also Table 151-14.		
transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TDECQ), or stressed signal at TP3 (TDECQ), or stressed signal at TP3 (TDECQ), or stressed signal at TP3 (TDECQ), adjust 151 for consistency.       There are no requirements for tables to be full width.         transmitted signal at TP2 (TECQ), dispersed signal at TP3 (TDECQ), or stressed signal at TP3 (TDECQ).       There are no requirements for tables to be full width.         opposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-IR1 only. The draft could be improved to make this clearer. A presentation is expected.       There is no average receive power, each lane (min) in Table 151-8 for 400GBASE-IR4 and 400GBASE-	Change to closure (qu	SECQ to alignaternary)"; c	or in the second s					•		
apposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.         100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 only. The draft could be improved to make this clearer. A presentation is expected.         Pending presentation and task force discussion.         140       SC 140.7.10       P52       L35       # [81]         mment Type       T       Comment Status D       buck         Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       measurement method         ggestedRemedy       Add another item to the list saying so. Also in 151.8.13.2.       make sthe draft consistent with what was done previously in Table 140-4 and Table 139-4.         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.	transmitted TP3 (SEC0	l signal at TF ຊ).	P2 (TECQ), dispersed signal a			There	are no require	ments for tables to be full widt	h.	
ppcode Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.         100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 and 100GBASE-IR1 only. The draft could be improved to make this clearer. A presentation is expected.         Pending presentation and task force discussion.         140       SC 140.7.10       P52       L35       # [-81]         wee, Piers J G       Mellanox Technologies         mment Type       T       Comment Status       D         proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       Pfo2       L35       # [-81]         Wee, Piers J G       Mellanox Technologies       Batter delete "for 400GBASE-FR4 and 400GBASE-LR4-6" (as Table 140-4) or change "and" to "or" and modify Table 140-4.         Proposed Response       Response Status W       PROPOSED ACCEPT IN PRINCIPLE.         In Table 151-4 delete the text "for 400GBASE-FR4 and 400GBASE-LR4-6"       This change makes the draft consistent with what was done previously in Table 140-4 and Table 139-4.         PROPOSED ACCEPT IN PRINCIPLE.       Proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.       In Table 151-4 delete the text "for 400GBASE-FR4 and 400GBASE-LR4-6"         This change makes the draft consistent with what was done previously i	•		ncy.				ot clear that the	suggested remedy represent	s an improvemer	nt to the clarity of the
100GBASE-DR receiver sensitivity is based on SECQ and changing it to TECQ for consistency with 100GBASE-FR1 and 100GBASE-LR1 is out of scope.       Mellanox Technologies         The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-LR1 only. The draft could be improved to make this clearer. A presentation is expected.       Dawe, Piers J G       Mellanox Technologies         Pending presentation and task force discussion.       P52       L35       # 1.81         140       SC 1407.10       P52       L35       # 1.81         twe, Piers J G       Mellanox Technologies       SuggestedRemedy         Add another item to the list saying so. Also in 151.8.13.2.       gagestedRemedy       Response Status W         Add another item to the list saying so.       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       Melanox Technologies			,							
Consistency with 100GBASE-FR1 and 100GBASE-LR1 is out of scope.       Comment Type T       Comment Status D       buck         The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-LR1 only. The draft could be improved to make this clearer. A presentation is expected.       Comment Type T       Comment Status D       buck         140       SC 140.7.10       P52       L35       # [-81]       Either delete "for 400GBASE-FR4 and 400GBASE-LR4-6" (as Table 140-4) or change "and" to "or" and modify Table 140-4.         we, Piers J G       Mellanox Technologies       measurement method         Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       measurement method         ggestedRemedy       Add another item to the list saying so.       Also in 151.8.13.2.       We         opposed Response       Response Status W       PROPOSED ACCEPT IN PRINCIPLE.       This change makes the draft consistent with what was done previously in Table 140-4 and Table 139-4.	PROPOSE	D ACCEPT	IN PRINCIPLE.			C/ 151	SC 151.5.4	P68	L <b>22</b>	# <mark>I-</mark> 83
The three new paragraphs starting at page 52, line 1, apply to 100GBASE-FR1 and 100GBASE-LR4 only. The draft could be improved to make this clearer. A presentation is expected. Pending presentation and task force discussion. The original presen	100GBASE	E-DR receive	er sensitivity is based on SEC	and changin	g it to TECQ for	Dawe, Pie	rs J G	Mellanox Tee	chnologies	
The three new paragraphs starting at page 52, line 1, apply to 100/GBASE-FR1 and 100/GBASE-LR1 only. The draft could be improved to make this clearer. A presentation is expected.       400/GBASE-LR4-6. There's one for each.         Pending presentation and task force discussion.       140 SC 140.7.10 P52 L35 # 1-81       Sc 140.7.10 P52 L35 # 1-81         Iwe, Piers J G       Mellanox Technologies       measurement method         Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       measurement method         IggestedRemedy       Add another item to the list saying so.       Also in 151.8.13.2.         oposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.	consistenc	y with 100GI	BASE-FR1 and 100GBASE-LF	R1 is out of sc	ope.	Comment	Туре Т	Comment Status D		bucke
expected. Pending presentation and task force discussion.          140       SC       140.7.10       P52       L35       # 181         140       SC       Mellanox Technologies       measurement method       Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       measurement method       In Table 151-4 delete the text "for 400GBASE-FR4 and 400GBASE-FR4 and 400GBASE-IR4-6"         17       Add another item to the list saying so.       Also in 151.8.132.       N       Proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.       PROPOSED ACCEPT IN PRINCIPLE.									) in Table 151-8 i	for 400GBASE-FR4 and
Pending presentation and task force discussion.       Image: Section 2.5 and the stressed section of the sectin of the section of the section of the section of the section of t		- Litti only.				Suggested	Remedy			
Interviewe       First J G       Mellanox Technologies         powe, Piers J G       Mellanox Technologies         powened to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       measurement method         progestedRemedy       Add another item to the list saying so.       Also in 151.8.13.2.         poposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE.	Pending pr	esentation a	and task force discussion.						-LR4-6" (as Table	e 140-4) or change
Weilanox Technologies         Imment Type       T       Comment Status       D       measurement method         Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?       In Table 151-4 delete the text "for 400GBASE-FR4 and 400GBASE-LR4-6"         In Table 151-4 delete the text "for 400GBASE-FR4 and 400GBASE-LR4-6"       This change makes the draft consistent with what was done previously in Table 140-4 and Table 139-4.         In Table 151.8.13.2.       Opposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE.       W	C/ 140 S	C 140.7.10	P <b>52</b>	L35	# I-81	Proposed	Response	Response Status W		
Do we need to say that the stressed receiver conformance test signal obeys the rules for over/under-shoot and peak-to-peak power (if applicable)?  ggestedRemedy Add another item to the list saying so. Also in 151.8.13.2.  oposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.  This change makes the draft consistent with what was done previously in Table 140-4 and Table 139-4.	Dawe, Piers J (	G	Mellanox Tech	nologies		PROP	OSED ACCEF	PT IN PRINCIPLE.		
over/under-shoot and peak-to-peak power (if applicable)? This change makes the draft consistent with what was done previously in Table 140-4 and Table 139-4. Add another item to the list saying so. Also in 151.8.13.2. oposed Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Comment Type	e T	Comment Status D		measurement method	In Tab	le 151-4 delete	e the text "for 400GBASE-FR4	and 400GBASE	-LR4-6"
InggestedRemedy Add another item to the list saying so. Also in 151.8.13.2. Ingosed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.					nal obeys the rules for			he draft consistent with what v	was done previou	usly in Table 140-4 and
Also in 151.8.13.2. oposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRem	nedy				Table	139-4.			
PROPOSED ACCEPT IN PRINCIPLE.			e list saying so.							
Pending presentation and task force discussion.	, ,		,							
	Pending pr	resentation a	and task force discussion.							

C/ 151 SC 151.7.1	P <b>71</b>	L <b>23</b>	# <u>I-</u> 84	C/ 151 SC 151.	8.9 P82	L <b>26</b>	# <u>1-</u> 87
)awe, Piers J G	Mellanox Tec	hnologies		Dawe, Piers J G	Mellanox T	echnologies	
Comment Type <b>T</b> The difference in lau rows above limit it to	Comment Status <b>D</b> nch power between any two lar 3.9 or 4.1 dB.	nes is limited to	<i>Tx characteristics</i> 4 dB here, while the		Comment Status <b>D</b> tion of over/under-shoot method	d.	measurement method
SuggestedRemedy Delete the row or tigh	nten the limit e.g to 3 dB. Adju	st the receive ta	ble in step.		1 and say it is analogous to 140	0.7.5b.	
Proposed Response PROPOSED ACCEF	Response Status W				Response Status <b>W</b> CEPT IN PRINCIPLE. tion and task force discussion.		
Pending presentatior	and task force discussion.			C/ 151 SC 151.		L <b>26</b>	# 1 <u>-</u> 88
	P <b>79</b>	L11	# 1-85	Dawe, Piers J G	Mellanox T	echnologies	
Dawe, Piers J G	Mellanox Tec		# 1-00	Comment Type E	Comment Status D		misc
Comment Type <b>T</b> Apart from the first tv SuggestedRemedy	Comment Status <b>D</b> vo sentences, this is identical to	o 122.8.4.	measurement method	the same order as	is in 151.8 the same order as in s in the Tx and Rx tables. But, I same measured waveform, mor jether.	because we now	have several specs
	rst two sentences; refer to 122	.8.4.		SuggestedRemedy			
Proposed Response PROPOSED REJEC	Response Status W			In the Tx tables (1 TDECQ TDECQ - 10log10	-		
This short subclause cross reference.	is repeated for convenience to	o avoid the read	er having to find the	TECQ   TDECQ - TECQ Transmitter over/u	inder-shoot		
C/ 151 SC 151.8.5	P <b>79</b>	L <b>36</b>	# 1-86	Transmitter peak- Transmitter transi			
Dawe, Piers J G	Mellanox Tec	hnologies			ower of OFF transmitter *OR* E f optical parameters and measu		o. a ·
	Comment Status <b>D</b> of established TDECQ metho and 121.8.5.3 then repeats it a		measurement method dictory: says specified in	151.8.5 Transmitt 151.8.6 Transmitt 151.8.7 Transmitt	er and dispersion eye closure for er eye closure for PAM4 (TECC er over/under-shoot	or PAM4 (TDECC	
SuggestedRemedy Remove the duplicate	e material.			151.8.8 Transmitt 151.8.9 Transmitt 151.8.10 Extinctic			
Proposed Response PROPOSED ACCEF	Response Status W			Proposed Response PROPOSED REJ	Response Status W		
Pending presentation	and task force discussion.			It is not clear that draft.	the suggested remedy represe	nts an improveme	ent to the clarity of the

C/ 151	SC 151.8.10	P83	L11	# 1-89	C/ 140	SC 1	140.6.3	P <b>46</b>	L <b>21</b>	# I-91
Dawe, Pie	rs J G	Mellanox Tec	hnologies		Cole, Chris	stopher	R	II-VI		
Comment	Туре Т	Comment Status D		measurement method	Comment	Туре	Е	Comment Status D		power budge
the pe Suggested For 40 and su For 40 and su It may TP3.	ak-to-peak powe IRemedy 0GBASE-FR4, a lbtracting 0.5 dB 0GBASE-LR4, a lbtracting 1.5 dB be easier to crea	djust the measured result by ate separate entries and limit	0.6 dB or ~1.8 of the adding the of the adding the	dB less than at TP2. e loss of the test channel e loss of the test channel	100GB change referer units a incons Similar 151.	BASE-FI es that t nces in o long sic istent w r commo	R1 and 1 the 802.3 other tabl le the val rith praction ents agai	on reference in Table 140-8 00GBASE-LR1 is cumberson cu working group made in 80 es. Also in Table 140-14 in s ues within the table, rather th ce throughout the rest of the nst Table 151-9 (page 75) an ed during the 802.3cu ad-ho	ne to use and ir 02.3cu D2.2 to re ection 140.10.2 nan as a separal document. nd Table 151-15	consistent with emove similar .2 (page 56), having the te "units column", is (page 89) in Clause
•	Response OSED REJECT.	Response Status W			conjuc	tion with	n present			0
If the r	esponse to I-93 i	s accepted the Transmitter p	beak-to-peak lir	nit at TP3 is no longer	Suggested	Remed	У			
require	ed.							d changes to Table 140-8,	able 140-14, Ta	able 151-9 and Table
Pendir	ng task force disc	cussion.						d footnotes, as captured in g/3/cu/public/cu_adhoc/cu_a	rchive/cole_3cu	_adhoc_081420_v2.pdf.
C/ 151	SC 151.8.13	P <b>83</b>	L <b>43</b>	# 1-90	Proposed I	Respon	se	Response Status W		
Dawe. Pie	rs J G	Mellanox Tec	hnologies		PROP	OSED A	ACCEPT	IN PRINCIPLE.		
time - S <i>uggested</i>	uch duplication c is it identical to F IRemedy	Comment Status <b>D</b> of stressed receiver sensitivit igure 122-8, if not what ddiff	ers?		http://w was re	viewed	e802.org during th	/3/cu/public/cu_adhoc/cu_ar e August 14th ad hoc call. d changes with editorial licer		adhoc_081420_v2.pdf
Define	151's SRS by re	eference to 121 and 122, in t	he style of 140.	7.10.	C/ 00	SC (	<b>`</b>	PO	1	# 1-92
'	Response OSED ACCEPT	Response Status W IN PRINCIPLE.			Nicholl, Ga	ary	, E	Cisco System Comment Status D	ls, Inc.	# 1-92
Pendir	ng presentation a	nd task force discussion.						plate (Version 4.3)		
					802.3_	nent nev EDITO	w FM ten RS reflec	nplate (Version 4.3), based th tor on 7/6/2020	ne email from Pe	ete Anslow to the
					Proposed I PROP		se ACCEPT.	Response Status W		

C/ 151	SC	151.8.10	P <b>83</b>	L10	# <mark>I-</mark> 93
Rodes, Ro	berto		II-VI		
Comment	Туре	т	Comment Status	D	measurement method

There is no reason to spec Transmitter peak-to-peak over fiber. Peak-to-peak power over fiber will always be lower than back to back. It creates confusion for people using the specs.

#### SuggestedRemedy

#### Replace text:

Transmitter peak-to-peak power is measured using the waveforms captured for the TDECQ test (see 151.8.5) and the waveform captured for the TECQ test (see 151.8.6), but without the reference equalizer being applied in each case.

#### With:

Transmitter peak-to-peak power is measured using the waveform captured for the TECQ test (see 151.8.6), but without the reference equalizer being applied in each case.

### Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

There is no reason to specify transmitter peak-to-peak power at TP3 because it will always be lower than the value at TP2.

Replace the 1st sentence of the 2nd paragraph of 151.8.10 with:

"Transmitter peak-to-peak power is measured using the waveform captured for the TECQ test (see 151.8.6), but without the reference equalizer being applied."

Make a similar change in clause 140.

C/ 140	SC 140.7.5c	P <b>50</b>	L <b>49</b>	# I-94
Rodes, Rob	erto	II-VI		
Comment T	ype <b>T</b>	Comment Status D		measurement method

There is no reason to spec Transmitter peak-to-peak over fiber. Peak-to-peak power over fiber will always be lower than back to back. It creates confusion for people using the specs.

#### SuggestedRemedy

### Replace text:

Transmitter peak-to-peak power is measured using the waveform captured for the TECQ test (see 140.7.5a), but without the reference equalizer being applied in each case.

## With:

Transmitter peak-to-peak power is measured using the waveforms captured for the TDECQ test (see 140.7.5) and the waveform captured for the TECQ test (see 140.7.5a), but without the reference equalizer being applied in each case.

Proposed Response Response Status W

PROPOSED ACCEPT.

	SC	151.7.1	P <b>71</b>	L15	# I <u>-</u> 95
Rodes, Ro	oberto		II-VI		
Comment	Туре	т	Comment Status D		Tx characteristics
		-6 spec or	n 'Average launch power, ea	ach lane (max)' co	nstrains effective Tx
	range.				
		necessary	constrain since receivers o	verload is mainly	affected by max OMA,
not A	• • •	d I D1 and	a with the same Dy techno	loav and no Dv de	muu laaa haya highar
		DP spec.	ec, with the same Rx techno	logy and no RX de	emux loss, nave nigher
		•	ill be especially important to	achieve uncoole	d operation
			sing spec 'Average launch		
			al Modulation Amplitude (ON		
			ffective maximum OMA per		
1dB o	and the first set				
4ub a	nd high	er.			
Suggestee	0				
Suggestee	dReme	dy	ide launch power, each lane	e (max)' to 4.4dB f	
Suggestee	dRemed ge spec	dy	ige launch power, each lane	e (max)' to 4.4dB f	
Suggestee Chang LR4-6	dRemed ge spec	<i>dy</i> c on 'Avera			
Suggested Chang LR4-6 Same	dRemed ge spec } e change	dy c on 'Avera es to Avera	age receive power, each lar		
Suggested Chang LR4-6 Same	dRemed ge spec } e change	dy c on 'Avera es to Avera			

A presentation is needed to justify setting average launch power, each lane (max) to 0.7 dB higher than OMAouter, each lane (max).

Pending presentation and task force discussion.

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: Comment ID

Comment ID 1-95

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