## Approved Responses

C/ 1	SC 1.4.245c	P 22	L <b>34</b>	# 235
Zimmerr	nan, George	CME Consu	lting/ADI, APL Gp	o, Cisco, CommScope,
Commen	nt Type E	Comment Status A		
802.3 inser defin a lot	<ol> <li>While the previou rted an abbreviation nition of EQT on line of general meaning</li> </ol>	believe this is the first use us definition (inserted by .3 in 1.5 for EQ, it forgot to e 34. To the reader outside s (e.g., equalization), so s	Bca) defined Equa expand the first us this particular an pelling it out will ir	lization Time, and e, which is in the nendment set, EQ has nprove clarity, in my
shou	Ild be envelope qua	lly, EQT is actually an abb ntum time, it is never used he expansion of EQ and le	in its spelled out	form that I can find, so
shou I sug	Ild be envelope qua	ntum time, it is never used	in its spelled out	form that I can find, so
shou I sug Suggeste	IId be envelope qua ggest just inserting tl edRemedy	ntum time, it is never used	l in its spelled out tting EQT - the ur	form that I can find, so hit, be just as it is.
shou I sug Suggeste Sugg Respons	Id be envelope qua ggest just inserting t edRemedy gest change "transm	ntum time, it is never used he expansion of EQ and le	l in its spelled out tting EQT - the ur	form that I can find, so hit, be just as it is.
shou I sug Suggeste Sugg Respons	IId be envelope qua ggest just inserting ti edRemedy gest change "transm se	ntum time, it is never used he expansion of EQ and le hit one EQ" to "transmit on	l in its spelled out tting EQT - the ur	form that I can find, so hit, be just as it is.
shou I sug Suggeste Sugg Respons ACC CI 1	IId be envelope qua ggest just inserting ti edRemedy gest change "transm se EPT.	ntum time, it is never used he expansion of EQ and le nit one EQ" to "transmit on <i>Response Status</i> <b>C</b> <i>P</i> 22	l in its spelled out tting EQT - the ur e envelope quant <i>L</i> <b>40</b>	form that I can find, so hit, be just as it is. um (EQ)".

FSR is defined as though it is a property of "an optical filter" - this doesn't appear to make sense with the usages of FSR in many places. FSR is a 'channel set' (either one or 2), and FSR seems to be the frequency range of a mux "so they may be designed to have a free spectral range (FSR) significantly wider than the defined frequencies of operation" in other places. In the second case, it appears the previous draft's definition (range of frequencies, rather than spacing) seemed more appropriate. Which is it?

#### SuggestedRemedy

Suggest revert the text, or split the terminology. Editor to review usage.

Response

# Response Status C

ACCEPT IN PRINCIPLE.

Page 96, line 29, change "so they may be designed to have a free spectral range (FSR) significantly wider than the defined frequencies of operation" to "so they may be designed to have a much wider free spectral range (FSR)"

Page 99, line 36 strike "and their repetition frequency is referred to as the free spectral range (FSR)" - this is a redefinition of the term for no good reason.

Capitalization alignment: change all instances of "FSR Set" to "FSR set".

Cl <b>45</b>	SC <b>45.2.1.23</b> a	n.1 P25	L 36	# 237	
Zimmerma	an, George	CME Co	nsulting/ADI, APL	Gp, Cisco, CommSco	ope
Comment	Туре Т	Comment Status A			
of the Downs	bit in Table 45-26 stream differential	U, while appropriate, ne a which is not in this dr encoding enabled ntial encoding disabled	aft (but is in .3ca).	This currently says "1	
Suggested	Remedy				
		draft, and, in the descr nange "disabled" to "dis		5, change "enabled" to	C
Response		Response Status C			
ACCE	PT.				
C/ 56	SC 56.1.2	P36	L <b>25</b>	# 238	
Zimmerma				Gp, Cisco, CommSco	
Comment		Comment Status A	Insulting/ADI, AFL		ppe
there a system Suggested	are a whole bunch ns:) and item d. <i>Remedy</i>	uction "Add". Given the	en the header (EF	M supports the followi	ing
there a system Suggested Sugge IEEE S	are a whole bunch ns:) and item d. <i>Remedy</i> st editing instruct	n of missing lines betwe ion be replaced with "C , to add new item d as	en the header (EF hange lettered list	M supports the followi in 56.1.2, as modified	ing I by
there a system <i>Suggested</i> Sugge	are a whole bunch ns:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020	of missing lines betwe ion be replaced with "C	en the header (EF hange lettered list	M supports the followi in 56.1.2, as modified	ing I by
there a system Suggested Sugge IEEE S Response	are a whole bunch ns:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020	n of missing lines betwe ion be replaced with "C , to add new item d as	en the header (EF hange lettered list	M supports the followi in 56.1.2, as modified	ing I by
there a system Suggested Sugge IEEE S Response ACCE	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. SC <b>164.2.4.2</b>	n of missing lines betwee ion be replaced with "C , to add new item d as Response Status C	en the header (EF hange lettered list shown (unchanged	M supports the followi in 56.1.2, as modified d list items not shown)'	ing I by
there a system Suggested Sugge IEEE S Response ACCE C/ 164	are a whole bunch ns:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. SC <b>164.2.4.2</b> rs	n of missing lines betwee ion be replaced with "C , to add new item d as Response Status C P46	en the header (EF hange lettered list shown (unchanged	M supports the followi in 56.1.2, as modified d list items not shown)'	ing I by
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. SC <b>164.2.4.2</b> rs <i>Type</i> <b>TR</b>	n of missing lines betwee ion be replaced with "C , to add new item d as i Response Status C P46 Nvidia	en the header (EF hange lettered list shown (unchanged	M supports the followi in 56.1.2, as modified d list items not shown)' # 239	ing I by
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. SC <b>164.2.4.2</b> rs <i>Type</i> <b>TR</b> .160a says, the D	n of missing lines betwee ion be replaced with "C , to add new item d as <i>Response Status</i> C <i>P</i> 46 Nvidia <i>Comment Status</i> A	en the header (EF hange lettered list shown (unchanged	M supports the followi in 56.1.2, as modified d list items not shown)' # 239	ing I by
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment As 1.4 Suggested Make t It's OK	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. <i>SC</i> <b>164.2.4.2</b> rs <i>Type</i> <b>TR</b> .160a says, the D <i>Remedy</i> the box with round to show things o	n of missing lines betwee ion be replaced with "C , to add new item d as <i>Response Status</i> C <i>P</i> 46 Nvidia <i>Comment Status</i> A	en the header (EF hange lettered list shown (unchanged <i>L</i> 3 nk) extends from f sides are just ins (the PMD test po	M supports the followi in 56.1.2, as modified d list items not shown)' # 239 MDI to MDI. ide the dashed MDI lin ints aren't actually in th	I by "
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment As 1.4 Suggested Make t It's OK	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. <i>SC</i> <b>164.2.4.2</b> rs <i>Type</i> <b>TR</b> .160a says, the D <i>Remedy</i> the box with round to show things o	n of missing lines betwee ion be replaced with "C , to add new item d as <i>Response Status</i> C <i>P</i> 46 Nvidia <i>Comment Status</i> A WDM channel (black link ded corners wider so its ver/under the black link	en the header (EF hange lettered list shown (unchanged <i>L</i> 3 nk) extends from f sides are just ins (the PMD test po	M supports the followi in 56.1.2, as modified d list items not shown)' # 239 MDI to MDI. ide the dashed MDI lin ints aren't actually in th	I by "
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment As 1.4 Suggested Make t It's OK black I	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. <i>SC</i> 164.2.4.2 rs <i>Type</i> <b>TR</b> .160a says, the D <i>Remedy</i> the box with round to show things o ink, but are altern	n of missing lines betwee ion be replaced with "C , to add new item d as <i>Response Status</i> <b>C</b> <i>P</i> <b>46</b> <i>Nvidia</i> <i>Comment Status</i> <b>A</b> WDM channel (black link ded corners wider so its ver/under the black link ative connections to the	en the header (EF hange lettered list shown (unchanged <i>L</i> 3 nk) extends from f sides are just ins (the PMD test po	M supports the followi in 56.1.2, as modified d list items not shown)' # 239 MDI to MDI. ide the dashed MDI lin ints aren't actually in th	ing I by "
there a system Suggested Sugge IEEE S Response ACCE Cl 164 Dawe, Pie Comment As 1.4 Suggested Make th It's OK black I Response	are a whole bunch hs:) and item d. <i>Remedy</i> st editing instruct Std 802.3ca-2020 PT. <i>SC</i> 164.2.4.2 rs <i>Type</i> <b>TR</b> .160a says, the D <i>Remedy</i> the box with round to show things o ink, but are altern	n of missing lines betwee ion be replaced with "C , to add new item d as <i>Response Status</i> <b>C</b> <i>P</i> <b>46</b> <i>Nvidia</i> <i>Comment Status</i> <b>A</b> WDM channel (black link ded corners wider so its ver/under the black link ative connections to the	en the header (EF hange lettered list shown (unchanged <i>L</i> 3 nk) extends from f sides are just ins (the PMD test po	M supports the followi in 56.1.2, as modified d list items not shown)' # 239 MDI to MDI. ide the dashed MDI lin ints aren't actually in th	l by "

C/ 164

SC 164.2.4.2

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# Approved Responses

IEEE P802.3cs D2.1 SuperPON Task Force 2nd Working Group recirculation ballot comments

C/ 164	SC 164.2.7.2	P <b>51</b>	L 12	# 240	C/ 164	SC	164.2.9.9	P 53	L <b>48</b>	# 245
Dawe, Pie	rs	Nvidia			Dawe, Pier	rs		Nvidia		
Comment	Туре Т	Comment Status A			Comment	Туре	TR	Comment Status A		
Apply	the changes of D2	2.1 comment 221 (Table 164	1-6) to Table 164	-8				and "See ITU-T G.698.2, s		
Suggested	lRemedy							of defining receiver perform ressed sensitivity per 52.9.9		
		ut power and Receiver OSN						t apply here.		
		eceiver OSNR tolerance is de itter extinction ratio of 8.2 dB			Suggested	Remed	dy			
Response		Response Status C	(300 104.2.3.3)					with the appropriate residua		
ACCE	DT	Response Status C						Channel requirements), OS 6 or 8, any qualifications for		eceiver OSNR
ACCL								ed sinusoidal jitter in 52.8.1		nient but it may need
C/ 164	SC 164.2.9.7	P 53	L <b>22</b>	# 243	qualific	cation f	or 2.5G. Yo	ou'll need a definition of OSI		
Dawe, Pie	rs	Nvidia					ner loose. onsider if v	ou want to put residual CD,	S Land OSNR a	all together in a single
Comment	Туре Т	Comment Status A						ion, or create two stressed r		
Need	o spell out what "	according to 158.8.7 divided	l by 4" means				uld conside ble 164-6 c	r what the receiver is suppo	sed to do with th	he entry "Minimum
uggested	IRemedy					in ra	DIE 164-6 C			
	vidth of scope filte	r response and jitter corner	frequency of CR	U are 1/4 those for	Response			Response Status <b>C</b>		
10G.					ACCE		PRINCIPLE			
Response		Response Status C						eceiver sensitivity in any of		
ACCE	PT IN PRINCIPLE				param as follo		likely just a	n unneccessary copy/paste	from .3ca. The	changes wre therefor
Chang	e existing text to	read "test method shall be a	ccording to 158.	8.7 for 10G signal, and			n the title o	f the section the words "sen	sitivity and",	
		h bandwidth of scope filter r	esponse and jitte	er corner frequency of			first paragr		C COR 2 continu	
CRU a	t 1/4 those for 10	G."						agraph to read: "See ITU-T nstead of 0.1 nm."	G.096.2, Section	17.4.3, using a noise
Updat	e PICS as needed	d.			- updat	te the F	PICS table	(164.2.12.9), by removing th		
					update	entrie	s for OM9	and OM10, since they both	use 164.2.9.10 a	as reference
							2-19 and a implify as r	ssociated text in 52.8.1 into needed.	this subclause,	add coverage for 2.5
					CD is o and OI			X side and also accomodate	ed for in the option	cal path (OLT>ONU

C/ 164 SC 164.2.9.9

### Approved Responses

••	•			•	•	•					
C/ 164A	SC 164A	P 96	L <b>32</b>	# 241	C/ 164A	SC 164A.2	2.1 P97	L13	# 244		
Dawe, Piers		Nvidia			Dawe, Pier	S	Nvidia				
comment Typ	be TR	Comment Status A			Comment 7	ype E	Comment Status A				
		ormative and following D2.1			Unwant	ted new-line					
	position of "o	d, but there is more to do. A nlv".	void "specification	and required".	Suggested	Remedy					
uggestedRe	•	,			Remov	е					
	-	ended specifications" to "The	e recommended o	haracteristics" or "The	Response		Response Status C				
recomme	endations".				ACCEF	РТ.					
		ole 164A-2 from "Specificatio commendations for the flat-to			C/ 164A	SC 164A.2	2.5 P99	L 20	# 242		
Similarly	(text and table	e) in 164A.2.2, 164A.2.3, 16	4A.2.4 and 164A.		Dawe, Pier	-	Nvidia	20	π 242		
		re required only at the" to priate/beneficial only at the			Comment 7		Comment Status A				
		g is therefore required to avo		ping is therefore used			CMs are likely to be chan				
to avoid".		DOM is asky assuring that the	(LIC) un atrea are a		Suggested						
		DCM is only required for the /present for the (US) upstrea		irection to (DCF) is	00	,	DCMs are likely to be cha	nnelized Therefore i	t is important" to "As		
and so or	used a DCM is used/present for the (US) upstream direction only" and so on, except e.g. "high extinction ratio required for the downstream OLT transmitter"					Could change "FBG DCMs are likely to be channelized. Therefore, it is important" to "As FBG DCMs are likely to be channelized, it is important"					
		o of the downstream OLT tran ormative requirements in no			Response		Response Status C				
is). In "the	e required up	stream powers", "the require	d power levels", "		ACCEF	PT.					
downstrea Response	am power", c	an "required" just be deleted Response Status W	<i>?</i>								
•	IN PRINCIPI	,									
Change "	The recommo	ended specifications" to "The	e recommendation	ns".							
		ble 164A-2 from "Specificatio ommendations for the flat-to									
		e) in 164A.2.2, 164A.2.3, 16 re required only at the" to									
Change " to avoid".		g is therefore required to avo	bid" to "Gain clam	ping is therefore used							
"(DCF) is	required a	DCM is only required for the	(US) upstream d	irection" to "(DCF) is							

"(DCF) is required... a DCM is only required for the (US) upstream direction" to "(DCF) is used... a DCM is used/present for the (US) upstream direction only" and so on, except e.g. "high extinction ratio required for the downstream OLT transmitter" to "high extinction ratio of the downstream OLT transmitter" (although as this and a couple more are referring to normative requirements in normative sections, they could be left as is).

In "the required upstream powers", "the required power levels", "minimum required downstream power", "required" to be deleted.

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

C/ 164A SC 164A.2.5 Page 3 of 3 7/19/2021 12:15:03 PM