C/ 00 SC 0	P 13	L 36	# 1	C/ 155 SC 155.2.2	P 39	L 48	# 3
Maguire, Valerie	The Siemon C	Company		Maguire, Valerie	The Siemon	Company	
Comment Type E Missing period at the e	Comment Status A and of the second sentence.		bucket	<i>Comment Type</i> E Follow style for clause	Comment Status A		bucket
SuggestedRemedy Replace, "(Super-PON	l)" with, "(Super-PON)."			SuggestedRemedy Replace, "Use of Bloc	ks" with, "Use of blocks"		
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
C/ 120A SC 120A.6	P 105	L 28	# 18	C/ 155 SC 155.2.4.	3 P 40	L 28	# 5
Lewis, David	Lumentum			Maguire, Valerie	The Siemon	Company	
Comment Type TR	Comment Status A			Comment Type E	Comment Status A		bucket
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan, and PMA. Add the car Response	CS should be a separate MMI ly defined MDIO registers in c ge the curly bracket for MMD otion MMD3 next to the PCS. <i>Response Status</i> C	lause 45.		Response ACCEPT.	er" with, "GMP mapper" <i>Response Status</i> C		
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan- and PMA. Add the cap Response ACCEPT.	ly defined MDIO registers in c ge the curly bracket for MMD otion MMD3 next to the PCS. <i>Response Status</i> C	lause 45. 1 to start at the d	livider between PCS	SuggestedRemedy Replace, "GMP Mappe Response ACCEPT. Cl 155 SC 155.2.4.	er" with, "GMP mapper" <i>Response Status</i> C 4 <i>P</i> 41	L 45	# <u>4</u>
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan and PMA. Add the cap Response ACCEPT. Cl 155 SC 155.1.5	ly defined MDIO registers in c ge the curly bracket for MMD [*] otion MMD3 next to the PCS.	lause 45.		SuggestedRemedy Replace, "GMP Mappe Response ACCEPT. C/ 155 SC 155.2.4.4 Maguire, Valerie	er" with, "GMP mapper" <i>Response Status</i> C 4 <i>P</i> 41 The Siemon		
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan and PMA. Add the cap Response ACCEPT. C/ 155 SC 155.1.5 Maguire, Valerie	ly defined MDIO registers in c ge the curly bracket for MMD otion MMD3 next to the PCS. <i>Response Status</i> C <i>P</i> 38 The Siemon C	lause 45. 1 to start at the d <i>L</i> 2	divider between PCS	SuggestedRemedy Replace, "GMP Mappo Response ACCEPT. Cl 155 SC 155.2.4.4 Maguire, Valerie Comment Type E	er" with, "GMP mapper" <i>Response Status</i> C 4 <i>P</i> 41 The Siemon <i>Comment Status</i> A		# 4bucket
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan- and PMA. Add the cap Response ACCEPT. Cl 155 SC 155.1.5 Maguire, Valerie Comment Type E	ly defined MDIO registers in c ge the curly bracket for MMD otion MMD3 next to the PCS. <i>Response Status</i> C <i>P</i> 38 The Siemon C <i>Comment Status</i> A	lause 45. 1 to start at the d <i>L</i> 2	livider between PCS	SuggestedRemedy Replace, "GMP Mappe Response ACCEPT. Cl 155 SC 155.2.4.4 Maguire, Valerie Comment Type E Follow style for clause	er" with, "GMP mapper" <i>Response Status</i> C 4 <i>P</i> 41 The Siemon <i>Comment Status</i> A		
The 400GBASE-ZR PC for the re-use of alread SuggestedRemedy In Figure 120A-9 chan- and PMA. Add the cap Response ACCEPT. C/ 155 SC 155.1.5 Maguire, Valerie Comment Type E Follow style for clause SuggestedRemedy	ly defined MDIO registers in c ge the curly bracket for MMD otion MMD3 next to the PCS. <i>Response Status</i> C <i>P</i> 38 The Siemon C <i>Comment Status</i> A	lause 45. 1 to start at the d <i>L</i> 2 Company	divider between PCS # 2 bucket	SuggestedRemedy Replace, "GMP Mappe Response ACCEPT. Cl 155 SC 155.2.4.4 Maguire, Valerie Comment Type E Follow style for clause SuggestedRemedy	er" with, "GMP mapper" <i>Response Status</i> C 4 <i>P</i> 41 The Siemon <i>Comment Status</i> A	Company	bucket

C/ 155 SC 155.2.4.4

C/ 155	SC 155.2.4.5	P 42	L 38	#	21
Huber, Tom		Nokia			
Comment Ty	pe T	Comment Status A			Overhead

The details of the overhead are rather complicated, and the description may not be clear enough for a reader who is unfamiliar with the details of ITU-T FlexO technology on which all of this is based. The 400GBASE-ZR frame is based on a FlexO-4 frame, which is formed by interleaving four ~100G FlexO frame structures. The clauses about AM and Pad describe the fields after this interleaving is done, for simplicity. The overhead clause is sort of a hybrid of trying to describe the 1280-bit field that results from interleaving four 320-bit fields, but it gets complicated by the fact that all the overhead is in the first ~100G structure that uses a 4-frame multiframe. Since most readers probably are not familiar with the details of FlexO, it is probably better to introduce the overhead in terms of a 40-byte frame structure and 4-frame multiframe, and then have a separate subclause to explain how the overhead is mapped into the 400GBASE-ZR overhead field.

SuggestedRemedy

Change the title of 155.2.4.5 to "Overhead (OH)"

Add text before Figure 155-4 as follows:

The 400GBASE-ZR overhead is a 40-byte frame structure that uses a four-frame multiframe, as shown in Figure 155-4 and described in 155.2.4.5.1 through 155.2.4.5.3.

Change the text at the top of figure 155-4 from "bytes of the first 320-bit OH field" to "byte number"

Delete the paragraph after the figure and insert new subclause 155.2.4.5.4 as follows: 155.2.4.5.4 Mapping into the 400GBASE-ZR frame

The 400GBASE-ZR frame contains a 1280-bit overhead field. This field is logically composed of four 320-bit structures. The 40-byte overhead frame described in subclause 155.2.4.5 is the first such 320-bit structure. The second, third, and fourth 320-bit structures are all zeros. The four 320-bit structures are 10-bit interleaved to form the 1280-bit overhead field.

Assuming this general direction is agreeable, subsequent comments address additional changes to 155.2.4.5.x that would also be needed.

Response Response Status C

ACCEPT IN PRINCIPLE.

Change the title of 155.2.4.5 to "Overhead (OH)"

Add text before Figure 155-4 as follows:

The 400GBASE-ZR overhead is a 40-byte frame structure that uses a four-frame multiframe, as shown in Figure 155-4 and described in 155.2.4.5.1 through 155.2.4.5.4.

Change the text at the top of figure 155-4 from "bytes of the first 320-bit OH field" to "byte number"

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

Delete the paragraph after the figure and insert new subclause 155.2.4.5.4 as follows: 155.2.4.5.4 Mapping into the 400GBASE-ZR frame

The 400GBASE-ZR frame contains a 1280-bit overhead field. This field is logically composed of four 320-bit structures. The 40-byte overhead frame described in 155.2.4.5 is the first such 320-bit structure. The second, third, and fourth 320-bit structures are all zeros. The four 320-bit structures are 10-bit interleaved to form the 1280-bit overhead field.

C/ 155	SC 155.2.4	.5.1 <i>P</i> 42	L 46	# 22
Huber, Tor	m	Nokia		
Comment		Comment Status A		Overhead
	etter to describe	e the MFAS field independently mment.	of the 320-bit Fi	lexO instances, as
	ce the text of 1	55.2.4.5.1 with:		
increm		irst byte of the overhead frame ame to provide a 256-frame mu I.		
increm G.709.	nented each fra .1 Clause 9.2.1	ame to provide a 256-frame mu		
increm G.709. <i>Response</i>	nented each fra .1 Clause 9.2.1	ame to provide a 256-frame mu l. <i>Response Status</i> C		
increm G.709. <i>Response</i> ACCE	nented each fra 1 Clause 9.2.1 PT. SC 155.2.4	ame to provide a 256-frame mu l. <i>Response Status</i> C	lti-frame sequen	ce as defined by ITU-T

This subclause seems to be covering two separate concepts: the STAT field of the overhead, and behavior based on detecting link faults, which should be in the receiver clause rather than the transmitter.

SuggestedRemedy

Delete the first and last paragraphs (a subsequent comment will address re-inserting this information in the clause describing the receiver)

Response Response Status C

ACCEPT IN PRINCIPLE.

Delete the first and last paragraphs of 155.2.4.5.2.

Cl	155
SC	155.2.4.5.2

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C/ 155	SC 155	.2.4.5.2	P 43	L 1	# 24
Huber, To	om		Nokia		<u> </u>
	etter to dese		nent Status A field independentl	y of the 320-bit F	<i>Overhead</i> lexO instances, as
Suggeste	dRemedy				
overh instar to:	ead byte is ices.	present in ever	e second paragraph ry frame, but only c les status informat	arried in the first	of the four 320-bit OH
Response ACCE		Respo	nse Status C		
C/ 155	SC 155	.2.4.5.2	P 43	L 8	# 25
Huber, To	om		Nokia		
forme the te as LD	the new vers rly shown a xt. Also not il<1>) corres	sion of Figure s the 3-bit LDI te that somethi		etter to just refer lation - the RD bi	to those bits explicitly in t (identified in the text
Suggeste	•				
The L		ponds to tx_an	fourth paragraph t n_sf<1> in 118.2.2		esponds to
Response ACCE		Respo	nse Status C		

C/ 155 SC	C 155.2.4.5.2	P 43	L 10	# 19
Lewis, David		Lumentum		
Comment Type	т	Comment Status A		Overhead

here needs to be clarification of how the LDI fields translate to tx am sf<2:0> when there an adjacent PHY 400GXS. The connection may be made via MDIO registers or in an tegrated implementation as a direct hardware connection.

estedRemedy

dd a paragraph: "If there is an adjacent PHY 400GXS sublayer, then the value of RD in TAT<7> is equal to the value of rx am sf<2> from the 400GXS sublaver, and LD in TAT<8> is equal to the value of rx am sf<1> from the 400GXS sublayer. If there is not a 00GXS sublayer adjacent, meaning that the 400GBASE-ZR PCS is connected to a MAC-S. then the value of RD in STAT<7> is set to the value of LD in STAT<8> of the received tatus byte in the receive direction of the 400GBASE-ZR PCS, and the value of LD in TAT<8> in the transmit direction is set to 0.

Response	Response Status	С
ACCEPT IN PRINCIPLE	Ξ.	

dd two new paragraphs at the end of 155.2.4.5.2:

there is an adjacent PHY 400GXS sublayer, then the value of RD in STAT<7> is equal the value of rx am sf<2> from the 400GXS sublaver, and LD in STAT<8> is equal to ne value of rx am sf<1> from the 400GXS sublayer.

there is not a 400GXS sublaver adjacent, meaning that the 400GBASE-ZR PCS is onnected to a MAC-RS, then the value of RD in STAT<7> is set to the value of LD in TAT<8> of the received status byte in the receive direction of the 400GBASE-ZR PCS. nd the value of LD in STAT<8> in the transmit direction is set to 0."

C/ 155 S	C 155.2.4.6	P 43	L 30	# 43
Issenhuth, Tom	า	Huawei		
Comment Type	Е	Comment Status A		
1				

ncorrect usage of CRC-32 as CRC32 is used through out the 802.3 revision D3.0 draft.

estedRemedy

o keep alignment with the new 802.3 draft standard, change CRC-32 to CRC32 proughout the draft

Response Status C

onse

CCEPT.

C/ 155	SC 155.2.4.7	P 43	L 49	# 6		C/ 155	SC '	155.2.5.7		P 50	L 17	# 26
Maguire, Va	alerie	The Siemor	n Company		<u> </u>	Huber, Tom	ı		N	okia		
Comment Ty	ype E	Comment Status A		bu	cket	Comment T	ype	т	Comment Star	us A		Overhea
Follow s	style for clause h	neaders										d is agreed, it would be
SuggestedR)-byte overhead fr v clause 155.2.4.5	ame is recovered from .4)
•	adaptation"	R Frame to SC-FEC Adap	Diation with, 400	GBASE-ZR frame to		Suggested	Remed	'y				
Response ACCEP	т.	Response Status C				The 40	GBAS	SE-ZR ove		ed from th	ne 1280-bit overhe	ead field by 10-bit de- is the first 320-bit
C/ 155	SC 155.2.4.8	P 46	<i>L</i> 1	# 7		Response			Response Stat	us C		
Maguire, Va	alerie	The Siemor	n Company			ACCEF	ΡT.					
Comment Ty Follow s	ype E style for clause h	Comment Status A		bu	cket	C/ 155	SC ·	155.2.5.7.1		P 50	L 28	# 28
SuggestedR	Remedv					Huber, Ton	ı		N	okia		
	•	" with, "Pad insertion"				Comment T	ype	т	Comment Star	us A		Overhea
Response	-	Response Status C							nment regarding			head is agreed, the text
ACCEP	1.					Suggested	Remed	ly				
C/ 155	SC 155.2.4.9	P 46	L 7	# 8		Change	e text to	o say "byte	e numbers"			
Maguire, Va	alerie	The Siemor	n Company			Response			Response Stat	us C		
Comment Ty		Comment Status A		bu	cket	ACCEF	PT IN F	PRINCIPLE	Ξ.			
Follow s	style for clause h Remedv	neaders						ext at the to 320-bit OH	op of Figure 155 field"	-9 from:		
	-	ronous Scrambler" with, "F	rame synchrono	us scrambler"								
Response		Response Status C				to: "byte ni	umberg	s"				
ACCEP	Т.					5,10 1		-				

C/ 155 S	SC 155.2.5.7	.1 P	50	L 28	# 27	C/ 155	SC	155.2.5.7.	2	P 50	L 50	# 20
Huber, Tom		Nok	cia			Lewis, Da	vid			Lumentum		
Comment Type	е Т	Comment Statu	s A		Overhead	Comment	Туре	т	Commen	t Status A		Overhea
	numbering in d be the sam		erent from	that in figure 15	5-5. For consistency	is an a	adjacen	nt PHY 400	GXS. The	connection may	be made via MD	am_sf<2:0> when there IO registers or in an
SuggestedRen	nedy					•		•	on as a dire	ct hardware cor	mection.	
Decide on	either 0-base	ed or 1-based byte	numbering	g (based on wha	tever is most prevalent	Suggested	dRemed	dy				
in the rest	of 802.3) and	l change whicheve	r figure ne	eds to be chang	ed.							en the value of RD in
			-	same as Figure	155-4, with editorial	sublay 400G> 400GE	/er, and XS subl 3ASE-2	d LD in ST/ layer. If the ZR PCS is	AT<8> is pa ere is not a 4 connected t	ssed to tx_am_ 00GXS sublaye o a MAC-RS, th	sf<1> in the trans er adjacent, mean nen the value of F	ection of the 400GXS smit direction of the hing that the RD in STAT<7> is e event, and LD in the
license.	SC 155.2.5.7.	0 0	50	L 42		receiv	ed STA					it direction is of the
Huber, Tom	155.2.5.7	Nok		L 42	# 29	Response			Response	Status C		
Comment Type	е Т	Comment Statu			Overhead	ACCE	PT IN I	PRINCIPL	Ε.			
Assuming	the earlier co		the descri		rhead is agreed, the	Add tv	vo new	paragraph	s at the end	of 155.2.5.7.2:		
	the second cl	ause of the first se BASE-ZR frame.	ntence, so	it reads: The s	tatus overhead byte is	STAT	<7> is µ STAT<	passed to t	x_am_sf<2	in the transmit	n the value of RE t direction of the ansmit direction of	400GXS sublayer, and
Response ACCEPT.		Response Status	S C			conne manaç	cted to gement	a MAC-RS t entity to in	S, then the v ndicate a rer	alue of RD in S note degrade e	TAT<7> is passe vent, and LD in tl	BASE-ZR PCS is to the DTE ne received STAT<8> a 400GBASE-ZR PCS."

C/ 155 SC 155.2.5.7.2 Page 5 of 10 1/17/2022 9:24:39 AM

	SC 155.2.5.7.2	P 51	L 5	# 30	C/ 155	SC 155.4.2.1	P 62	L 34	# 32
Huber, Tom		Nokia			Huber, Ton	n	Nokia		
Comment Ty	/pe T Co	mment Status A		Overhead	Comment T	Гуре E	Comment Status A		Variables
		nove some receiver-s n the transmitter, som		the description of link			entence structure in the dese e.", while others omit begin		
SuggestedRo	•						ariables all begin with "A va		
	following at the end	of the subclause:			Suggested	Remedy			
The 400	GBASE-ZR PCS pro	vides detection and s			Change	e the sentences	that begin with "Boolean va	riable." to begin w	ith "A Boolean variable
		ect and indicate link o		o monitors within the SC- DOGBASE-ZR optical	." Desmanas				
link.			-		Response	PT IN PRINCIPLI	Response Status C =		
		or 400GBASE-ZR fra blocks carrying LF o		ne loss, the PCS receive	ACCEP				
Response		ponse Status C			Refer to	o comment 31.			
	T IN PRINCIPLE.				C/ 155	SC 155.4.2.1	P 63	L 14	# 36
Add the	following at the end	of the 155 2 5 7 2			Issenhuth,	Tom	Huawei		
	tonowing at the one v	51 110 100.2.0.1.2.			Comment T		Comment Status A		TBD
	-				Comment	Гуре Е	Comment Status A		100.
"The 400		ovides detection and s			TBD no	ot in magenta. T	here is one more case in 15	55.4.2.1, 3 cases	
"The 400 network FEC dec	equipment with re-ro		EC bit error ratio	o monitors within the SC-	TBD no multiple	ot in magenta. T ecases in 156.10	here is one more case in 15	55.4.2.1, 3 cases	
"The 400 network	equipment with re-ro	ute capabilities. Pre-F	EC bit error ratio	o monitors within the SC-	TBD no multiple SuggestedF	ot in magenta. T ecases in 156.10 Remedy	here is one more case in 15 .1.	55.4.2.1, 3 cases	
"The 400 network FEC dec link. In the ca	equipment with re-ro coder are used to det ase of a DSP framing	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra	EC bit error rational features for the second secon	o monitors within the SC-	TBD nc multiple SuggestedF Change	ot in magenta. T ecases in 156.10	here is one more case in 15 .1. o magenta	55.4.2.1, 3 cases	
"The 400 network FEC dec link. In the ca	equipment with re-ro coder are used to det ase of a DSP framing	ute capabilities. Pre-F ect and indicate link c	EC bit error rational features for the second secon	o monitors within the SC- 00GBASE-ZR optical	TBD no multiple SuggestedF Change Response	ot in magenta. T ecases in 156.10 Remedy	here is one more case in 15 .1. o magenta <i>Response Status</i> C	55.4.2.1, 3 cases	
"The 400 network FEC dec link. In the ca	equipment with re-ro coder are used to det ase of a DSP framing	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra	EC bit error rational features for the second secon	o monitors within the SC- 00GBASE-ZR optical	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C E.		
"The 400 network FEC dec link. In the ca path inse	equipment with re-ro coder are used to det ase of a DSP framing erts a stream of 257E SC 155.4.2.1	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra blocks carrying LF o <i>P</i> 62 Nokia	EC bit error rational legrade at the 40 ame or multi-fram rdered sets."	o monitors within the SC- DOGBASE-ZR optical ne loss, the PCS receive	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C		
"The 400 network FEC dec link. In the ca path inse C/ 155 Huber, Tom Comment Ty	equipment with re-ro coder are used to det ase of a DSP framing erts a stream of 257E SC 155.4.2.1 //pe T Co	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra blocks carrying LF o <i>P</i> 62 Nokia mment Status A	EC bit error rational legrade at the 40 ame or multi-fram rdered sets." <i>L</i> 26	to monitors within the SC- DOGBASE-ZR optical the loss, the PCS receive # <u>31</u> <i>Variables</i>	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C E.		
"The 400 network FEC dec link. In the ca path inse C/ 155 Huber, Tom Comment Ty The varia	equipment with re-ro coder are used to det ase of a DSP framing erts a stream of 257E SC 155.4.2.1 //pe T Co able pma_align_state	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra blocks carrying LF o <i>P</i> 62 Nokia mment Status A	EC bit error rational legrade at the 40 ame or multi-fram rdered sets." <i>L</i> 26	monitors within the SC- DOGBASE-ZR optical ne loss, the PCS receive # <u>31</u>	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C E.		
"The 400 network FEC dec link. In the ca path inse C/ 155 Huber, Tom Comment Ty The varia	equipment with re-ro coder are used to det ase of a DSP framing erts a stream of 257E SC 155.4.2.1 ype T Co able pma_align_state emedy	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra blocks carrying LF o <i>P</i> 62 Nokia mment Status A us appears to be Bool	EC bit error rational legrade at the 40 ame or multi-fram rdered sets." <i>L</i> 26	to monitors within the SC- DOGBASE-ZR optical the loss, the PCS receive # <u>31</u> <i>Variables</i>	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C E.		
"The 400 network FEC dec link. In the ca path inse C/ 155 Huber, Tom Comment Ty The varia	equipment with re-ro coder are used to det ase of a DSP framing erts a stream of 257E SC 155.4.2.1 ype T Co able pma_align_statu emedy "A variable." to "A Bo	ute capabilities. Pre-F ect and indicate link c or 400GBASE-ZR fra blocks carrying LF o <i>P</i> 62 Nokia mment Status A us appears to be Bool	EC bit error rational legrade at the 40 ame or multi-fram rdered sets." <i>L</i> 26	to monitors within the SC- DOGBASE-ZR optical the loss, the PCS receive # <u>31</u> <i>Variables</i>	TBD no multiple SuggestedF Change Response ACCEF	ot in magenta. T ecases in 156.10 Remedy e color of TBDs t PT IN PRINCIPLI	here is one more case in 15 .1. o magenta <i>Response Status</i> C E.		

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 155 SC 155.4.2.1 Page 6 of 10 1/17/2022 9:24:39 AM

C/ 155	SC 155.4.2.1	P 64	L 5	# 33	C/ 155	SC	155.4.2.4	P 68	L 4	# 35		
Huber, Ton	n	Nokia			Huber, To	m		Nokia				
Comment T	уре Т	Comment Status A		Overhead	Comment	Туре	т	Comment Status A		State dia		
clear to	state that rx lo	f the LDI field now identifies cal_degraded is true when hich is actually LDI<2>, per	the receiver dete		no poi	nt in loo	oking for th	ss should be predicated or the PCS AMs if the PMA is		peing achieved - there's		
Suggested			о́,		Suggested					4h - 4 4h - 10		
Change	e the first two se		a siyan data ata I D		Modify the output of LOCK_INIT from UCT to pma_align_status, so that the process of aligning the PCS AMs doesn't start until the PMA alignment is complete.							
		asserted true when the re GBASE-ZR frames. It is de			Response			Response Status C				
two					ACCE	PT IN F	PRINCIPLE	Ξ.				
to: A Boolean variable that is asserted true when the receiver detects the value 1 in the LD bit						For the LOCK_INIT state, change the output transition condition from "UCT" to "pma_align_status".						
	,	o consecutive 400GBASE-2 ne LD bit for two consecutiv		easserted when the	C/ 155	SC	155.7.3	P 72	L 17	# 37		
Response		Response Status C			Issenhuth,	, Tom		Huawei				
, ACCEF	РТ.				Comment	Туре	Е	Comment Status A		bucke		
					Incorrect use of C-FEC, should be CFEC as stated in 1.5							
C/ 155	SC 155.4.2.1	P 64	L 10	# 34	Suggested	Remed	dv					
Huber, Ton	n	Nokia			00		C to CFE	C				
Comment T	<i>уре</i> Т	Comment Status A		Overhead	Response			Response Status C				
clear to	state that rx_rn	f the LDI field now identifies n_degraded is true when th hich is actually LDI<1>, per	e receiver detects		ACCE	PT.						
Suggested	•		iigaio ioo iy		C/ 156	SC	156.5.1	P 79	L 6	# 38		
		ntences from:			Issenhuth,	, Tom		Huawei				
Change the first two sentences from: Boolean variable that is asserted true when the receiver detects LDI<2> in the STAT byte of two consecutive 400GBASE-ZR frames. It is deasserted when LDI<2> is deasserted for						Type	E s reference	Comment Status A		bucke		
two						0		10 150.9				
	utive frame peri	ods.			Suggested							
to: A Boole	ean variable that	t is asserted true when the	receiver detects t	he value 1 in the RD hit		ross ref	erence					
		consecutive 400GBASE-2			Response			Response Status C				
value 0	is detected in the	ne RD bit for two consecuti	ve frames.		ACCE	PT.						
Response		Response Status C										
	РТ.											

C/ 156 SC 156.5.1

C/ 156 SC 156.5.1 Issenhuth, Tom	P 79						" 10
ssenhuth Tom	P 79	L 8	# 39	C/ 156 SC 156.9.23	P 93	L 36	# 42
	Huawei			Issenhuth, Tom	Huawei		
Comment Type E Missing cross reference	Comment Status A e to 156.9		bucket	Comment Type E 3 uses of OADM abbrev	Comment Status A viation		
SuggestedRemedy Add cross reference				SuggestedRemedy Add abbreviation to 1.5	or fully spell out abbreviation	ns	
Response ACCEPT.	Response Status C			Response ACCEPT IN PRINCIPLI	Response Status C E.		
C/ 156 SC 156.6	P 81	L 26	# 40	See response to comm	ent 40.		
ssenhuth, Tom	Huawei			C/ 156 SC 156.10	P 93	L 41	# 9
Comment Type E OADM is shown as an revision	Comment Status A abbreviation but is not included	d in 1.5 of this (draft or the 802.3 D3.0	Maguire, Valerie Comment Type E	The Siemon (Comment Status A	Company	buck
				Follow style for clause h	neaders		
uggestedRemedy Add abbreviation to 1.5 Response	o or remove usage of abbreviat Response Status C	ion		SuggestedRemedy	neaders	ation" with, "EVM	I conformance test
SuggestedRemedy Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a	Response Status C		য়। add-drop	SuggestedRemedy Replace, "EVM Conform		ation" with, "EVN	I conformance test
uggestedRemedy Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a multiplexers".	Response Status C .E. and use "optical add-drop multi	plexer or optica		SuggestedRemedy Replace, "EVM Conform setup and calculation" Response	nance test setup and calcula	ation" with, "EVN	I conformance test # 10
SuggestedRemedy Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a multiplexers".	Response Status C .E.		al add-drop # 41	SuggestedRemedy Replace, "EVM Conform setup and calculation" Response ACCEPT.	nance test setup and calcula Response Status C P 94	L 43	
Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a multiplexers". 156 SC 156.8 ssenhuth, Tom Comment Type E	Response Status C E. and use "optical add-drop multi P 87 Huawei Comment Status A	plexer or optica		SuggestedRemedy Replace, "EVM Conform setup and calculation" Response ACCEPT. C/ 156 SC 156.10.1	nance test setup and calcula <i>Response Status</i> C <i>P</i> 94 The Siemon (<i>Comment Status</i> A	L 43	# <u>10</u>
Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a multiplexers". 7 156 SC 156.8 ssenhuth, Tom Comment Type E No OADM abbreviation	Response Status C E. and use "optical add-drop multi P 87 Huawei Comment Status A	plexer or optica		SuggestedRemedy Replace, "EVM Conform setup and calculation" Response ACCEPT. C/ 156 SC 156.10.1 Maguire, Valerie Comment Type E Follow style for clause h SuggestedRemedy	nance test setup and calcula <i>Response Status</i> C <i>P</i> 94 The Siemon (<i>Comment Status</i> A	L 43 Company	# 10 buck
SuggestedRemedy Add abbreviation to 1.5 Response ACCEPT IN PRINCIPL Remove abbreviation a multiplexers". C/ 156 SC 156.8 ssenhuth, Tom Comment Type E No OADM abbreviation SuggestedRemedy	Response Status C E. and use "optical add-drop multi P 87 Huawei Comment Status A	plexer or optica		SuggestedRemedy Replace, "EVM Conform setup and calculation" Response ACCEPT. C/ 156 SC 156.10.1 Maguire, Valerie Comment Type E Follow style for clause h SuggestedRemedy	nance test setup and calcula <i>Response Status</i> C <i>P</i> 94 The Siemon (<i>Comment Status</i> A neaders	L 43 Company	# <u>10</u> buck

C/ 156 SC 156.10.1

C/ 156 SC 156.10.1	.1 <i>P</i> 94	L 20	# 11		C/ 156 S	SC 156.10.1.	2.3	P 95	L 39	# 15	
Maguire, Valerie	The Siemon	Company			Maguire, Valer	rie		The Siemon (Company		
Comment Type E Follow style for clause	Comment Status A headers			bucket	Comment Type Follow styl	e E le for clause		t Status A			bucket
SuggestedRemedy Replace, "Calibrated 0	Coherent Receiver" with, "Ca	librated coherent	receiver"		SuggestedRen Replace, "		e Recovery'	' with, "Carrier ph	ase recovery"		
Response ACCEPT.	Response Status C				Response ACCEPT.		Response	Status C			
C/ 156 SC 156.10.1	.2 P 95	L 2	# 12		C/ 156 S	SC 156.10.1.	2.4	P 95	L 42	# 16	
Maguire, Valerie	The Siemon	Company			Maguire, Valer	rie		The Siemon (Company		
Comment Type E Follow style for clause SuggestedRemedy	Comment Status A headers			bucket	Comment Type Follow styl SuggestedRen	e for clause		t Status A			bucket
	al Signal Processing" with, "	Offline diaital siar	al processing"			-	erina" with. "	Receive filtering"			
Response ACCEPT.	Response Status C	- 5 5	1 3		Response ACCEPT.		0	Status C			
C/ 156 SC 156.10.1	.2.1 <i>P</i> 95	L 25	# 13		C/ 156 S	SC 156.10.1.	2.5	P 95	L 48	# 17	
Maguire, Valerie	The Siemon	Company			Maguire, Valer	rie		The Siemon (Company		
Comment Type E Follow style for clause	Comment Status A headers			bucket	Comment Type Follow styl	e E le for clause		t Status A			bucket
SuggestedRemedy Replace, "Polarization	Demux" with, "Polarization of	demux"			SuggestedRen Replace, "	-	ensation" w	ith, "Offset comp	ensation"		
Response ACCEPT.	Response Status C				Response ACCEPT.		Response	Status C			
	.2.2 P 95	L 31	# 14		C/ 156 S	SC 156.13.4.	1	P 101	L 39	# 44	
C/ 156 SC 156.10.1		Compony			Issenhuth, Tor	n		Huawei			
Cl 156 SC 156.10.1 Maguire, Valerie	The Siemon	Company									
	Comment Status A	Company		bucket	Comment Type Value/Com			<i>t Status</i> A BER specified in	156.1.1"		bucket
Maguire, Valerie Comment Type E	Comment Status A	r Company		bucket	Value/Con SuggestedRen	nment showr nedy	n as "Meets		156.1.1"		bucket
Maguire, Valerie Comment Type E Follow style for clause SuggestedRemedy Replace, "Clock and F	Comment Status A		requency offset	bucket	Value/Con SuggestedRen Change"in	nment showr	n as "Meets in 156.1.1"	BER specified in	156.1.1"		bucket
Maguire, Valerie Comment Type E Follow style for clause SuggestedRemedy	Comment Status A headers		requency offset	bucket	Value/Con SuggestedRen	nment showr nedy	n as "Meets in 156.1.1"		156.1.1"		bucket

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/156Page 9 of 10COMMENT STATUS: D/dispatched A/accepted R/rejected R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawnSC 156.13.4.11/17/2022 9:24:39 AMSORT ORDER: Clause, Subclause, page, lineSC 156.13.4.1SC 156.13.4.11/17/2022 9:24:39 AM

C/ 156	SC 156.13.4.4	P 1	03	L 18	# 45	
Issenhuth	, Tom	Huav	vei			
<i>Comment</i> Missin	51	Comment Status reference for OM1				bucket
Suggested Add ci	<i>IRemedy</i> ross reference					
Response ACCE		Response Status	С			

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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