IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/FM SC FM	P1	L	# 447		C/ FM	SC FM	P11	L10	# 660
Carlson, Steve	HSD, Bosch,	Ethernovia			Murty, Rama	ina	Broadcom		
Comment Type E	Comment Status D			ΕZ	Comment Ty	rpe E	Comment Status D		E
The FrameMaker te	mplate has been updated to Ve	rsion 5.1 by Pete	e Anslow.		Text in A	mendment 3			
SuggestedRemedy					SuggestedR	emedy			
	e to Ver. 5.1 per Anslow				There is	no abbreviatio	on (PHY) in 802.3db. Add a co	mma after "two	" on line 11.
•	org/3/tools/framemaker/index.ht	iml			Proposed Re	esponse	Response Status W		
Proposed Response PROPOSED ACCE	Response Status W PT.						IN PRINCIPLE.		
C/FM SC FM	P 7	L17	# 372		Copy the	e official text fo	or 802.3db.		
Grow, Robert	RMG Conslut		" <u>512</u>		C/ FM	SC FM	P11	L 10	# 396
Comment Type E	Comment Status D	ling		ΕZ	Wienckowsk	i, Natalie	General Motor	rs	
					Comment Ty	pe E	Comment Status D		E
WG ballot group is r	now known.								
,							doesn't match D3.2 of P802.30 Layer device". Also, two oxfor		
SuggestedRemedy Add WG ballot grou	p.					ans "Physical			
SuggestedRemedy Add WG ballot grou	p. Response Status W				as it mea SuggestedRe Change: and 400	ans "Physical emedy Physical Laye Gb/s over one		rd commas are anagement para	missing. ameters for 100, 200
SuggestedRemedy Add WG ballot grou Proposed Response PROPOSED ACCE	p. Response Status W PT. P11	L3	# 395		as it mea SuggestedR Change: and 400 signaling To: Phy	ans "Physical emedy Physical Laye Gb/s over one I. sical Layer sp	Layer device". Also, two oxfor er (PHY) specifications and ma	d commas are anagement para ode fiber based parameters for	missing. ameters for 100, 200 on 100 Gb/s optical 100, 200, and 400 Gb/
SuggestedRemedy Add WG ballot grou Proposed Response PROPOSED ACCE C/ FM SC FM Wienckowski, Natalie	p. Response Status W PT. P11 General Moto		# 395		as it mea SuggestedR Change: and 400 signaling To: Phy	ans "Physical emedy Physical Laye Gb/s over one I. sical Layer sp , two, and fou	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management	d commas are anagement para ode fiber based parameters for	missing. ameters for 100, 200 on 100 Gb/s optical 100, 200, and 400 Gb/
SuggestedRemedy Add WG ballot grou Proposed Response PROPOSED ACCE C/ FM SC FM Wienckowski, Natalie Comment Type E	p. Response Status W PT. P11 General Moto Comment Status D	ors		EZ	as it mea SuggestedRe Change: and 400 signaling To: Phy over one Proposed Re	ans "Physical emedy Physical Laye Gb/s over one I. sical Layer sp , two, and fou	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management r pairs of multimode fiber base <i>Response Status</i> W	d commas are anagement para ode fiber based parameters for	missing. ameters for 100, 200 on 100 Gb/s optical 100, 200, and 400 Gb/
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCEI C/ FM SC FM Wienckowski, Natalie Comment Type E The expansion for P	p. Response Status W PT. P11 General Moto	ors		EZ	as it mea SuggestedRe Change: and 400 signaling To: Phy over one Proposed Re PROPOS	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp two, and fou esponse SED ACCEPT	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management r pairs of multimode fiber base <i>Response Status</i> W	rd commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling.
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCEI C/ FM SC FM Nienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy	p. Response Status W PT. P11 General Moto Comment Status D PMA is physical medium attachm	ors		EZ	as it mea SuggestedRe Change: and 400 signaling To: Phy over one Proposed Re PROPOS	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp sical Layer sp sical Layer sp sical Layer sp scal Layer sp scal Layer sp SC FM	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management ir pairs of multimode fiber base <i>Response Status</i> W <i>P</i> 11	d commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 on 100 Gb/s optical 100, 200, and 400 Gb/
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCEI CI FM SC FM Wienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy Change: Physical M	p. Response Status W PT. P11 General Moto Comment Status D	ors		EZ	as it mea SuggestedR Change: and 400 signaling To: Phy over one Proposed Re PROPOS C/ FM Wienckowsk	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp , two, and fou esponse SED ACCEPT SC FM i, Natalie	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management in pairs of multimode fiber base <i>Response Status</i> W <i>P</i> 11 General Motor	d commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling. # <u>397</u>
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCEI C/ FM SC FM Wienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy Change: Physical M To: Physical Medium	p. <i>Response Status</i> W PT. <i>P</i> 11 General Moto <i>Comment Status</i> D MA is physical medium attachm ledia Attachment (PMA)	ors		EZ	as it mea SuggestedR Change: and 400 signaling To: Phy over one Proposed Re PROPOS C/ FM Wienckowsk Comment Ty	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp , two, and fou esponse SED ACCEPT SC FM i, Natalie pe E	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management in pairs of multimode fiber base <i>Response Status</i> W C. P11 General Motor <i>Comment Status</i> D	rd commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling.
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCEI C/ FM SC FM Wienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy Change: Physical M To: Physical Medium	p. Response Status W PT. P11 General Moto Comment Status D MA is physical medium attachm ledia Attachment (PMA) m Attachment (PMA) Response Status W	ors		EZ	as it mea SuggestedRe Change: and 400 signaling To: Phy over one Proposed Re PROPOS C/ FM Wienckowsk Comment Ty The desc	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp , two, and fou esponse SED ACCEPT SC FM i, Natalie pe E cription of de o	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management in pairs of multimode fiber base <i>Response Status</i> W	rd commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling. # <u>397</u>
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCE C/ FM SC FM Wienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy Change: Physical M To: Physical Medium Proposed Response	p. Response Status W PT. P11 General Moto Comment Status D MA is physical medium attachm ledia Attachment (PMA) m Attachment (PMA) Response Status W	ors		EZ	as it mea SuggestedR Change: and 400 signaling To: Phy over one Proposed Re PROPOS C/ FM Wienckowsk Comment Ty The deso	ans "Physical emedy Physical Laye Gb/s over one sical Layer sp sical Sc FM sical Layer sp sical	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management in pairs of multimode fiber base <i>Response Status</i> W C. P11 General Motor <i>Comment Status</i> D	rd commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling. # <u>397</u>
SuggestedRemedy Add WG ballot group Proposed Response PROPOSED ACCE CI FM SC FM Wienckowski, Natalie Comment Type E The expansion for P SuggestedRemedy Change: Physical M To: Physical Medium Proposed Response	p. Response Status W PT. P11 General Moto Comment Status D MA is physical medium attachm ledia Attachment (PMA) m Attachment (PMA) Response Status W	ors		EZ	as it mea SuggestedRe Change: and 400 signaling To: Phy over one Proposed Re PROPOS C/ FM Wienckowsk Comment Ty The deso SuggestedRe Change:	ans "Physical emedy Physical Laye Gb/s over one isical Layer sp sical Layer sp sical Layer sp scal Layer sp scal Layer sp scal Layer sp SED ACCEPT SC FM i, Natalie pe E cription of de o emedy Single Pair gle-Pair	Layer device". Also, two oxfor er (PHY) specifications and ma e, two and four pairs of multim recifications and management in pairs of multimode fiber base <i>Response Status</i> W C. P11 General Motor <i>Comment Status</i> D	rd commas are anagement para ode fiber based parameters for ed on 100 Gb/s	missing. ameters for 100, 200 I on 100 Gb/s optical 100, 200, and 400 Gb/ optical signaling. # <u>397</u>

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C/ FM	SC FM	P11	L 30	# 398		CI 00 S	C 0		P 0	L 0	# 455
Wienckow	vski, Natalie	General Mot	tors			D'Ambrosia, Jo	hn	I	Futurewei, U	S Subsidiary of	Huawei
Comment		Comment Status D			EZ	Comment Type	E	Comment St	tatus D		
The de	escription of	cx doesn't match D3.0 of P802.3	3cx.			The terms	master/slav	e should be avo	ided.		
Suggested	-					SuggestedRen					
		and receive path delays eceive path data delays				Consult wit	h IEEE SA	for acceptable te	erms and rep	laced	
	Response	Response Status W				Proposed Res	oonse	Response St	atus W		
	OSED ACC					PROPOSE	D REJECT				
C/ FM	SC FM	P 20	L 48	# 449				already in TF rev was inserted in C		mment #293 aq	gainst D1.3, where
Carlson, S	Steve	HSD, Bosch	, Ethernovia			C/ 1 S	C 1.4.128a		P 21	L 8	# 373
Comment		Comment Status D			ΕZ	Grow, Robert			RMG Conslut	ting	
	's note is wo 3bj and IEEE	efully out of date. Example proje	cts are a decade	old: (e.g., IEEE		Comment Type	TR	Comment Si	tatus A	-	
P802.3	3cz)	EEE P802.3cx and IEEE				P802.3/D3	2, but shou	ld not be replica	ted. 1.4.14 1	definitions that 000BASE-T1 d	et of its physical layer t exist in approved loes not include a the model for this
P802.3 Proposed I	3cz)	Response Status W				P802.3/D3 description definition (1	2, but shou of the "netw hus replicat	ld not be replica	ted. 1.4.14 1	definitions that 000BASE-T1 d	t exist in approved
P802.3 Proposed I PROP	3cz) Response	Response Status W	LO	# 346		P802.3/D3 description definition (i SuggestedRen	2, but shou of the "netw hus replicat	ld not be replica work"; but 1.4.82 ting an error).	ted. 1.4.14 1 10GBASE-T	definitions that 000BASE-T1 d 1 seems to be	t exist in approved loes not include a
P802.3 Proposed I PROP CI 00	3cz) Response POSED ACCI SC 0	Response Status W	LO	# 346		P802.3/D3 description definition (i SuggestedRen	2, but shou of the "netw hus replicat <i>nedy</i> 3 Physical L	ld not be replica work"; but 1.4.82 ting an error).	ted. 1.4.14 1 10GBASE-T	definitions that 000BASE-T1 d 1 seems to be	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO C/ 00 Brown, Ma	3cz) Response OSED ACC SC 0	Response Status W EPT. P 0 Huawei	LO	# 346	EZ	P802.3/D3 description definition (i SuggestedRen IEEE 802.3 pair coppe Response	2, but shou of the "netw hus replicat <i>bedy</i> 3 Physical L cable.	ld not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i>	ted. 1.4.14 1 2 10GBASE-T n for a 25 Gb	definitions that 000BASE-T1 d 1 seems to be	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO CI 00 Brown, Ma Comment Many e	3cz) Response OSED ACCI SC 0 att Type ER errors in edit	Response Status W EPT. P0 Huawei Comment Status D torial instructions throughout this	-		EZ	P802.3/D3 description definition (i SuggestedRen IEEE 802.3 pair coppe Response	2, but shou of the "netw hus replicat <i>nedy</i> 3 Physical L	ld not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i>	ted. 1.4.14 1 2 10GBASE-T n for a 25 Gb	definitions that 000BASE-T1 d 1 seems to be	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO CI 00 Brown, Ma Comment Many e painful	3cz) Response OSED ACCI SC 0 att Type ER errors in edit I to commen	Response Status W EPT. P 0 Huawei & Comment Status D	-		EZ	P802.3/D3 description definition (i SuggestedRen IEEE 802.3 pair coppe Response	2, but shou of the "netw hus replicat <i>bedy</i> 3 Physical L cable.	ld not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i>	ted. 1.4.14 1 2 10GBASE-T n for a 25 Gb	definitions that 000BASE-T1 d 1 seems to be	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO Cl 00 Brown, Ma Comment Many e painful Suggested Please and co	3cz) Response OSED ACCI SC 0 att Type ER errors in edit I to commen <i>IRemedy</i> e review all e ommon style	Response Status W EPT. P0 Huawei Comment Status D torial instructions throughout this at on one by one. editorial instructions and ensure t	draft. These are that that are cons aragraph on page	a mess and rather istent with the rules 20 line 33 and con	s Isult	P802.3/D3 description definition (1 SuggestedRen IEEE 802.3 pair coppe Response ACCEPT II Change	2, but shou of the "netw hus replicat edy 3 Physical L * cable. N PRINCIPI 3 Physical L	ld not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i> _E.	ted. 1.4.14 1 2 10GBASE-T on for a 25 Gb atus W	definitions that 000BASE-T1 d 1 seems to be b/s Ethernet link	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO CI 00 Brown, Ma Comment Many e painful Suggested Please and co 802.3b	3cz) Response OSED ACCI SC 0 att Type ER errors in edit I to commen <i>IRemedy</i> e review all e ommon style	Response Status W EPT. P0 Huawei Comment Status D torial instructions throughout this at on one by one. editorial instructions and ensure t c. Consult editorial instructions pa etc., for examples. Most have be	draft. These are that that are cons aragraph on page	a mess and rather istent with the rules 20 line 33 and con	s Isult	P802.3/D3 description definition (1 SuggestedRen IEEE 802.3 pair coppe Response ACCEPT II Change IEEE 802.3	2, but shou of the "netw hus replicat edy 3 Physical L * cable. N PRINCIPI 3 Physical L	ld not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i> _E.	ted. 1.4.14 1 2 10GBASE-T on for a 25 Gb atus W	definitions that 000BASE-T1 d 1 seems to be b/s Ethernet link	t exist in approved loes not include a the model for this
P802.3 Proposed I PROPO CI 00 Brown, Ma Comment Many e painful Suggested Please and co 802.3b	3cz) Response OSED ACCI SC 0 att Type ER errors in edit I to commen <i>IRemedy</i> e review all e ommon style os, 802.3ck, several have	Response Status W EPT. P0 Huawei Comment Status D torial instructions throughout this at on one by one. editorial instructions and ensure t c. Consult editorial instructions pa etc., for examples. Most have be	draft. These are that that are cons aragraph on page	a mess and rather istent with the rules 20 line 33 and con	s Isult	P802.3/D3 description definition (i SuggestedRen IEEE 802.3 pair coppe Response ACCEPT II Change IEEE 802.3 pair coppe To	2, but shou of the "netw hus replicat pedy Physical L cable. N PRINCIPL Physical L Physical L cable.	Id not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i> _E. ayer specificatio	ted. 1.4.14 1 10GBASE-T on for a 25 Gb atus W on for a 25 Gb	odefinitions that 000BASE-T1 d 1 seems to be b/s Ethernet link	t exist in approved loes not include a the model for this a using a single twisted a using a single twisted
P802.3 Proposed I PROPU Cl 00 Brown, Ma Comment Many e painful Suggested Please and co 802.3b likely s Proposed I	3cz) Response OSED ACCI SC 0 att Type ER errors in edit I to commen dRemedy e review all e ommon style os, 802.3ck, several have Response	Response Status W EPT. P0 Huawei Comment Status D torial instructions throughout this it on one by one. editorial instructions and ensure t consult editorial instructions pa etc., for examples. Most have be not.	draft. These are that that are cons aragraph on page	a mess and rather istent with the rules 20 line 33 and con	s Isult	P802.3/D3 description definition (i SuggestedRen IEEE 802.3 pair coppe Response ACCEPT II Change IEEE 802.3 pair coppe To	2, but shou of the "netw hus replicat pedy Physical L cable. N PRINCIPL Physical L cable. Physical L	Id not be replica work"; but 1.4.82 ting an error). ayer specificatio <i>Response St</i> _E. ayer specificatio	ted. 1.4.14 1 10GBASE-T on for a 25 Gb atus W on for a 25 Gb	odefinitions that 000BASE-T1 d 1 seems to be b/s Ethernet link	t exist in approved loes not include a the model for this

C/ 1 SC **1.4.128a** Page 2 of 78 8/19/2022 3:34:40 PM

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 1 SC 1.4.407	P 21	L11	# 343		C/ 1	SC 1.4.473	P 21	L17	# 475
Brown, Matt	Huawei				Zimmerma	an, George	CME Cons	sulting/APL Gp, Cis	co, CommScope, Mar
Comment Type E	Comment Status D			ΕZ	Comment	Type E	Comment Status D		
Editorial instruction is sup SuggestedRemedy	perfluous as changes are e	evident by the cha	ange marking.		same o	change in the ma	ge 'twisted pair' to 'conduc tching definition of PoDL		leed to also change the
Change to "Change 1.4.4	407 as follows:"				Suggested				
Proposed Response PROPOSED ACCEPT.	Response Status W				1.4.472 consist	2 PoDL PD: A Po ting of a	o the draft, changing "twi wered Device that is inte O>conductor	nded to receive pov	wer from a link section
C/ 1 SC 1.4.473	P 21	L16	# 383		Proposed I	Response	Response Status W		
Marris, Arthur	Cadence De	sign Systems			PROP	OSED ACCEPT.			
Comment Type E No editing intruction for 1	Comment Status D			ΕZ	C/ 1	SC 105.3	P 37	L 25	# 369
SuggestedRemedy					Grow, Rob	pert	RMG Con	sluting	
Add "Change 1.4.473 as	follows:"				Comment	Type TR	Comment Status D		
	Response Status W				those s	sublayers in the re	es its own protocol stack elevant 105.3.x subclaus NG ballot as the draft is r	es. I missed this ar	nd should have voted
PROPOSED ACCEPT.							associated changes as		
PROPOSED ACCEPT. C/ 1 SC 1.4.473	P 21	L17	# 344			hese titles with no			
	P 21 Huawei Comment Status D	L 17	# 344	EZ	seen th Suggested The tea text for relevar	hese titles with no <i>IRemedy</i> chnical experts in r the 25GBASE-T		an indication of inc qualified than I am sections. Delete th	completeness. to provide the missing ne subclause titles not
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction.	Huawei	L17	# 344	EZ	seen th Suggested The tea text for relevar	hese titles with no <i>IRemedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ning subclauses.	o associated changes as the TF are much better 1 protocol stack relevant	an indication of inc qualified than I am sections. Delete th	completeness. to provide the missing ne subclause titles not
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h	Huawei				seen th Suggested The ter text for relevar remain Proposed I	hese titles with no <i>IRemedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ning subclauses.	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc Response Status W	an indication of inc qualified than I am sections. Delete th	completeness. to provide the missing ne subclause titles not
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h	Huawei Comment Status D				seen th Suggested The ter text for relevar remain Proposed H PROPO	hese titles with no <i>Remedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ning subclauses. <i>Response</i>	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE.	an indication of inc qualified than I am sections. Delete th	completeness. to provide the missing ne subclause titles not
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h Proposed Response	Huawei <i>Comment Status</i> D here and in various other lo				seen th Suggested The ter text for relevar remain Proposed H PROPO	hese titles with no <i>Remedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ning subclauses. <i>Response</i> OSED ACCEPT I	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE. h 105.3.5	an indication of inc qualified than I am sections. Delete th	completeness. to provide the missing ne subclause titles not
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h Proposed Response	Huawei <i>Comment Status</i> D here and in various other lo				seen th Suggested The ter text for relevar remain Proposed H PROPO Remov	hese titles with no <i>IRemedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ning subclauses. <i>Response</i> OSED ACCEPT I ve 105.3.1 throug	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE. h 105.3.5	an indication of ind qualified than I am sections. Delete th ude editorial instruct	completeness. to provide the missing ne subclause titles not ctions for each of the
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h Proposed Response	Huawei <i>Comment Status</i> D here and in various other lo				seen th Suggested The text text for relevar remain Proposed I PROPO Remov C/ 30 Wienckows Comment The Ph	hese titles with no <i>Remedy</i> chnical experts in r the 25GBASE-T nt to the 25GBASE ing subclauses. <i>Response</i> OSED ACCEPT I ve 105.3.1 throug <u>SC</u> 30.3.2.1.2 ski, Natalie Type E HY type needs to	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE. h 105.3.5 <i>P</i> 15	an indication of ind qualified than I am sections. Delete th ude editorial instruc- <i>L</i> 15 lotors	to provide the missing ne subclause titles not ctions for each of the # 399
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h Proposed Response	Huawei <i>Comment Status</i> D here and in various other lo				seen th Suggested The ter text for relevar remain Proposed H PROPO Remov C/ 30 Wienckows Comment The Ph descrip	hese titles with no <i>Remedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ining subclauses. <i>Response</i> OSED ACCEPT I ve 105.3.1 throug SC 30.3.2.1.2 ski, Natalie <i>Type</i> E HY type needs to ption.	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE. h 105.3.5 <i>P</i> 15 General M <i>Comment Status</i> D	an indication of ind qualified than I am sections. Delete th ude editorial instruc- <i>L</i> 15 lotors	to provide the missing ne subclause titles not ctions for each of the # 399
Cl 1 SC 1.4.473 Brown, Matt Comment Type ER No editorial instruction. SuggestedRemedy Add editorial instruction h Proposed Response	Huawei <i>Comment Status</i> D here and in various other lo				seen th Suggested The ter text for relevar remain Proposed H PROPO Remov Cl 30 Wienckows Comment The Ph descrip Suggested	hese titles with no <i>Remedy</i> chnical experts in r the 25GBASE-T nt to the 25GBAS ining subclauses. <i>Response</i> OSED ACCEPT I ve 105.3.1 throug SC 30.3.2.1.2 ski, Natalie <i>Type</i> E HY type needs to ption. <i>IRemedy</i>	associated changes as the TF are much better 1 protocol stack relevant E-T1 protocol stack. Inc <i>Response Status</i> W IN PRINCIPLE. h 105.3.5 <i>P</i> 15 General M <i>Comment Status</i> D	an indication of ind qualified than I am sections. Delete th ude editorial instruc- <i>L</i> 15 otors there should be sp	to provide the missing to provide the missing the subclause titles not ctions for each of the # 399

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	C/ 30	Page 3 of 78
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 30.3.2.1.2	8/19/2022 3:34:40 PM
SORT ORDER: Clause, Subclause, page, line			

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 30 SC 3	30.3.2.1.3	P15	L 21	# 400		C/ 45	SC 4	45.3	P 28	L1	# 334	
Wienckowski, Nat	atalie	General Motor	S			Maguire, V	/alerie		Copperopolis			
Comment Type	Е	Comment Status D			ΕZ	Comment	Туре	Е	Comment Status D			ΕZ
	e needs to be	e moved right and then ther	re should be sp	ace before the		The PI	ICS sub	clause fo	r clause 45 is 45.5.			
description.						Suggested	Remed	ly				
SuggestedRemedy Add spaces in	,	-T1 Clause 165 25 Gb/s P/	AM4" to match	802.3-2022 spacing	g.	Replac accord		3" with "4	5.5" and re-number subseque	nt subclauses	in this clause	
Proposed Respon		Response Status W				Proposed I	,		Response Status W			
PROPOSED A	ACCEPT.					PROP	OSED /	ACCEPT				
C/ 30 SC 3	30.5.1.1.2	P15	L 35	# 401		C/ 45	SC 4	45.3	P 28	L 2	# 335	
Wienckowski, Nat	atalie	General Motor	S			Maguire, V	/alerie		Copperopolis			
	F	Comment Status D			ΕZ	Comment	Туре	Е	Comment Status D			ΕZ
Comment Type	-											
<i></i>	-	e moved right and then ther	re should be sp	ace before the		Interfac	ce is ca	apitalized	when appearing after "MDIO"	(see clause 4	5 header).	
	-	e moved right and then ther	re should be sp	ace before the		Interfac Suggested			when appearing after "MDIO"	(see clause 4	5 header).	
The PHY type description. SuggestedRemedy Add spaces in	e needs to be <i>dy</i> in "25GBASE	E-T1 Single balanced pair of				Suggested Replac	IRemed	<i>ly</i> ut/Output	when appearing after "MDIO" (MDIO) interface" with "Input/ nce rquest)			ay
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to	e needs to be <i>dy</i> in "25GBASE to match 802	E-T1 Single balanced pair of 2.3-2022 spacing.				Suggested Replac	IRemed ce, "Inpu o be a r	<i>ly</i> ut/Output maintenai	(MDIO) interface" with "Input/			ay
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Response	dy in "25GBASE to match 802	E-T1 Single balanced pair of				Suggested Replac need to Proposed I	IRemed ce, "Inpu o be a r Respon	<i>ly</i> ut/Output maintenai	(MDIO) interface" with "Input/ nce rquest) <i>Response Status</i> W			ay
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Response PROPOSED A	e needs to be dy in "25GBASE to match 802 nse ACCEPT.	E-T1 Single balanced pair of 2.3-2022 spacing. Response Status W	f conductors PH	HY as specified in		Suggested Replac need to Proposed I	Remed ce, "Inpu o be a r Respon OSED /	<i>ly</i> ut/Output maintenai use	(MDIO) interface" with "Input/ nce rquest) <i>Response Status</i> W			ay
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Response PROPOSED A	dy in "25GBASE to match 802	E-T1 Single balanced pair of 2.3-2022 spacing. Response Status W P15	f conductors PF			Suggested Replac need to Proposed I PROPO	IRemed ce, "Inpu o be a r Respon OSED / SC 4	ly ut/Output maintenai se ACCEPT.	(MDIO) interface" with "Input/ nce rquest) Response Status W	Output (MDIC	0) Interface" (this ma	ay
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Respon- PROPOSED A Cl 30 SC 3 Wienckowski, Nat	dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie	E-T1 Single balanced pair of 2.3-2022 spacing. <i>Response Status</i> W <i>P</i> 15 General Motor	f conductors PF	HY as specified in		Suggested Replac need to Proposed I PROPO	IRemed ce, "Inpu o be a r Respon OSED / SC 4	ly ut/Output maintenai ise ACCEPT. 45.2.1	(MDIO) interface" with "Input/ nce rquest) Response Status W P23	Output (MDIC	0) Interface" (this ma	EZ
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Respons PROPOSED A CI 30 SC 3 Wienckowski, Nat Comment Type	e needs to be dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie E	E-T1 Single balanced pair of 2.3-2022 spacing. Response Status W P15 General Motor Comment Status D	f conductors PH	HY as specified in # [402	EZ	Suggested Replac need to Proposed I PROPO CI 45 Grow, Rob Comment	IRemed ce, "Inpi o be a r Respon OSED SC SC oert Type	ly ut/Output maintenar se ACCEPT. 45.2.1 E	(MDIO) interface" with "Input/ nce rquest) <i>Response Status</i> W <i>P</i> 23 RMG Conslutir	Output (MDIC	0) Interface" (this ma # 374	EZ
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Respons PROPOSED A Cl 30 SC 3 Wienckowski, Nat Comment Type	e needs to be dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie E	E-T1 Single balanced pair of 2.3-2022 spacing. <i>Response Status</i> W <i>P</i> 15 General Motor	f conductors PH	HY as specified in # [402	EZ	Suggested Replac need to Proposed I PROPO CI 45 Grow, Rob Comment I find n	IRemed ce, "Inpu o be a r Respon OSED / SC 4 pert Type to chang xplainin	ly ut/Output naintenar use ACCEPT. 45.2.1 E ges or ins	(MDIO) interface" with "Input/ nce rquest) Response Status W P23 RMG Conslutin Comment Status D	Output (MDIC	 D) Interface" (this ma # 374 2.3/D3.2. (Nor an ea 	EZ
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Respons PROPOSED A Cl 30 SC 3 Wienckowski, Nat Comment Type The PHY type description.	e needs to be dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie E e needs to be	E-T1 Single balanced pair of 2.3-2022 spacing. Response Status W P15 General Motor Comment Status D	f conductors PH	HY as specified in # [402	EZ	Suggested Replac need to Proposed I PROPO CI 45 Grow, Rob Comment I find n note ex	IRemed ce, "Inpu o be a r Respon OSED / SC 4 bert Type no chang xplainin ation.)	ly ut/Output maintenar se ACCEPT. 45.2.1 E ges or ins ig why the	(MDIO) interface" with "Input/ nce rquest) Response Status W P23 RMG Conslutir Comment Status D serts in the partial content copi	Output (MDIC	 D) Interface" (this ma # 374 2.3/D3.2. (Nor an ea 	EZ
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to PROPOSED A Cl 30 SC 3 Wienckowski, Nat Comment Type The PHY type description.	e needs to be dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie E e needs to be dy	E-T1 Single balanced pair of 2.3-2022 spacing. Response Status W P15 General Motor Comment Status D	f conductors PH <i>L</i> 49 rs re should be sp	HY as specified in # <u>402</u> ace before the		Suggested Replac need to Proposed I PROPO Cl 45 Grow, Rob Comment T I find n note ex publica Suggested	IRemed ce, "Inpu o be a r Respon OSED / SC 4 pert Type no chang xplainin ation.)	ly ut/Output maintenar se ACCEPT. 45.2.1 E ges or ins ig why the	(MDIO) interface" with "Input/ nce rquest) <i>Response Status</i> W <i>P</i> 23 RMG Conslutir <i>Comment Status</i> D serts in the partial content copi e content is in the draft and that	Output (MDIC	 D) Interface" (this ma # 374 2.3/D3.2. (Nor an ea 	EZ
The PHY type description. SuggestedRemedy Add spaces in Clause 165" to Proposed Respon PROPOSED A Cl 30 SC 3 Wienckowski, Nat Comment Type The PHY type description. SuggestedRemedy	e needs to be dy in "25GBASE to match 802 nse ACCEPT. 30.6.1.1.5 atalie E e needs to be dy in "25GBASE	E-T1 Single balanced pair of 2.3-2022 spacing. <i>Response Status</i> W <i>P</i> 15 General Motor <i>Comment Status</i> D e moved right and then the	f conductors PH <i>L</i> 49 rs re should be sp	HY as specified in # <u>402</u> ace before the		Suggested Replac need to Proposed I PROPO Cl 45 Grow, Rob Comment T I find n note ex publica Suggested	IRemed ce, "Inpuo o be a r Respon OSED / SC 4 bert Type no chang xplainin ation.) IRemed Innes 7	ly ut/Output maintenan use ACCEPT. 45.2.1 E ges or ins ig why the ly through 2	(MDIO) interface" with "Input/ nce rquest) <i>Response Status</i> W <i>P</i> 23 RMG Conslutir <i>Comment Status</i> D serts in the partial content copi e content is in the draft and that	Output (MDIC	 D) Interface" (this ma # 374 2.3/D3.2. (Nor an ea 	EZ

C/ **45** SC **45.2.1** Page 4 of 78 8/19/2022 3:34:40 PM

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Cl 45	SC 45.2.1	P 23	L 7	# 504	C/ 45	SC (45.2.1.7.4	P 23	L 34	# 375	
Huber, Th	omas	Nokia			Grow, Rob	oert		RMG Consluting			
Comment	Type E	Comment Status D		EZ	Comment	Туре	Е	Comment Status D			EZ
	,	45-3 and the text that introd	uces it are inclu	ded here, since there is	Inserte	ed text s	should be u	inderlined.			
	ange being made.				Suggested	dRemed	ly				
Suggested	,				Under	line line	34.				
Remo	ve everything betw	veen the heading 45.2.1 and	the heading 45	5.2.1.7	Proposed	Respon	ise	Response Status W			
Proposed	Response	Response Status W			PROP	POSED	ACCEPT.				
PROP	OSED ACCEPT.										
C/ 45	SC 45.2.1	P 23	L 8	# 386	CI 45		45.2.1.7.5	P 23	L 51	# 376	
Marris, Art	-	Cadence Des			Grow, Rob			RMG Consluting			
Comment		Comment Status D	igh Cysterns	EZ	Comment		E	Comment Status D			EZ
	51	ded if there are no changes	?				should be u	inderlined.			
, Suggested		5			Suggested		-				
00	e Table 45–3					line line	-				
	Response	Response Status W			Proposed	•		Response Status W			
•	OSED ACCEPT.	Response Status W			PROP	POSED	ACCEPT.				
					C/ 45	SC (45.2.1.16	P 24	L 3	# 404	
CI 45	SC 45.2.1	P 23	L 9	# 476	Wienckow	/ski, Nat	talie	General Motors			
Zimmerma	an, George	CME Consulti	ing/APL Gp, Cis	co, CommScope, Marve	Comment		Е	Comment Status D			EZ
Comment	51	Comment Status D		EZ	Only 1	l new ro	w is being	added.			
		ble 45-3 or 45.2.1, and text ese should not be in the dra		•	Suggested	Remed	lv				
	ard and also conta		int, as they do h	or match the base	00		ert new row	S			
Suggested	Remedy					sert nev					
00		ot the section header) and T	able 45-3 from	the draft.	Proposed	Respon	ise	Response Status W			
	Response	Response Status W			PROP	OSED	ACCEPT.				
	OSED ACCEPT.										

C/ 45 SC 45.2.1.16

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C/ 45 SC 45.2.1		1.00	# 100			1.40	# 007
		L 30	# 403	C/ 45 SC 45.2.1.2		L19	# 387
Wienckowski, Natalie Comment Type E	General Moto Comment Status D	ors	EZ	Marris, Arthur Comment Type E	Cadence De Comment Status D	sign Systems	E
51	tion doesn't reference the new r	ow added.		Comment Type E Table number should			E.
shown):	ne identified row in Table 45-178		-	SuggestedRemedy Change "Table 45–17 Proposed Response	9" to "Table 45–206". Similar Response Status W	issue for Table 4	5-207 on page 26
	ntified row in Table 45-178 and ows (unchanged rows not show		immediately below the	PROPOSED ACCEPT	,		
Proposed Response PROPOSED ACCE	Response Status W			Cl 45 SC 45.2.1.2 McClellan, Brett	44.1 P 25 Marvell	L 43	# 653
C/ 45 SC 45.2.1	.214.2 P 25	L11	# 377	Comment Type E	Comment Status D		E
Grow, Robert	RMG Conslu	tina		missing references to	Clause 165		
Comment Type TR	Comment Status R			SuggestedRemedy			
SuggestedRemedy	item corresponding to this exist	ing onail.		specified in 149.4.2.4.			
	add PICS item for the specified Response Status W	behavior.		is communicated to th	2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE	s specified in 149.	
Response REJECT. Not all SHALL state SHALL statement a	·	ctive PICS. Since E Std 802.3-202	2, I would prefer to	described in 149.3.2.2 is communicated to th MultiGBASE-T1 and	2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE ction on page 26 lin 26 <i>Response Status</i> W	s specified in 149.	
Response REJECT. Not all SHALL state SHALL statement a make no changes th	Response Status W ments in Clause 45 have respen nd does not have a PICS in IEE nat would / could affect other pro	ctive PICS. Since E Std 802.3-202 ojects and PHYs.	2, I would prefer to	described in 149.3.2.2 is communicated to th MultiGBASE-T1 and make the same correct Proposed Response	2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE ction on page 26 lin 26 <i>Response Status</i> W T.	s specified in 149.	
Response REJECT. Not all SHALL state SHALL statement a make no changes th Cl 45 SC 45.2.1	Response Status W ments in Clause 45 have respend does not have a PICS in IEE hat would / could affect other pro-	ctive PICS. Since E Std 802.3-202	2, I would prefer to	described in 149.3.2.2 is communicated to th MultiGBASE-T1 and make the same correct Proposed Response PROPOSED ACCEPT	2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE ction on page 26 lin 26 <i>Response Status</i> W T.	s specified in 149. E-T1."	4.2.4.5 for
Response REJECT. Not all SHALL state SHALL statement a make no changes th Cl 45 SC 45.2.1 McClellan, Brett Comment Type E	Response Status W ments in Clause 45 have respen nd does not have a PICS in IEE nat would / could affect other pro	ctive PICS. Since E Std 802.3-202 ojects and PHYs.	2, I would prefer to	described in 149.3.2.2 is communicated to th MultiGBASE-T1 and make the same correc Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.2 McClellan, Brett Comment Type E Table number doesn't	2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE ction on page 26 lin 26 Response Status W T. 45 P 26	s specified in 149. E-T1."	4.2.4.5 for
Response REJECT. Not all SHALL state SHALL statement a make no changes th Cl 45 SC 45.2.1 McClellan, Brett Comment Type E	Response Status W ments in Clause 45 have respendend does not have a PICS in IEE nat would / could affect other pro- .244 P25 Marvell Comment Status D n't match the editor instruction	ctive PICS. Since E Std 802.3-202 ojects and PHYs.	2, I would prefer to # 654	described in 149.3.2.2 is communicated to th MultiGBASE-T1 and make the same correct Proposed Response PROPOSED ACCEPT Cl 45 SC 45.2.1.2 McClellan, Brett Comment Type E	 2.15 for MultiGBASE-T1 and the link partner via Infofields as and 165.4.2.4.5 for 25GBASE of the constant of the cons	s specified in 149. E-T1."	4.2.4.5 for # <u>655</u>

C/ 45 SC 45.2.1.245

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01.45											
C/ 45	SC 45.2.1.245	P 26	L1	# 378		C/ 45 S	C 45.2.1.246	P 26	L 35	# 388	
Grow, Ro	obert	RMG Conslut	ing			Marris, Arthur		Cadence De	sign Systems		
Comment	- - -	Comment Status D			EZ	Comment Type		Comment Status D			ΕZ
Table	e number error, it is Ta	ble 45-207 in P802.3/D3	.2.			Why is 45.	2.1.246 includ	ed if nothing has been cha	anged?		
Suggeste	edRemedy					SuggestedRen	nedy				
Corre	ect table number per c	omment.				Delete 45.	2.1.246				
Proposed	l Response R	esponse Status W				Proposed Res	ponse	Response Status W			
PROF	POSED ACCEPT.					PROPOSE	ED ACCEPT.				
CI 45	SC 45.2.1.245.1	P 26	L 29	# 379		C/ 45 S	C 45.2.1.246	P 26	L 35	# 478	
Grow, Ro	obert	RMG Conslut	ing			Zimmerman, C	George	CME Consul	ting/APL Gp, Cisc	co, CommScope,	Marve
Comment	t Type E C	Comment Status D			ΕZ	Comment Type	e E	Comment Status D			ΕZ
	't find it in the style ma eded by an "Oxford" co	nual, but I believe the proomma.	eference is that	"and" should be				S in clause 45 required in ng instructions.	the draft - i.e., se	ection 45.3 (or	
Suggeste	edRemedy					SuggestedRen	nedy				
"L=2,	L=4, and L=8" (retain	ing underscore and strike	ethrough).			Delete 45.	3 and subclaus	ses, including headers, fro	m the draft		
		a					nonse	Response Status W			
Proposea	l Response R	esponse Status 🛛 🛛 🛛 🛛 🛛 🖉				Proposed Res	00//30				
	l Response R POSED ACCEPT.	esponse Status W					ED ACCEPT.				
PROF	•	P26	L 35	# 492		PROPOSE		P26	L35	# 380	
	POSED ACCEPT. SC 45.2.1.246	, 	L 35	# 492		PROPOSE	ED ACCEPT.			# [380	
PROF C/ 45 Huber, Tr	POSED ACCEPT. SC 45.2.1.246 homas	Р 26	L 35	# 492	EZ	PROPOSE C/ 45 S	ED ACCEPT. C 45.2.1.246	P26		# 380	EZ
PROF Cl 45 Huber, Th Comment Subcl	POSED ACCEPT. SC 45.2.1.246 homas t Type E 0	, Р 26 Nokia			EZ	PROPOSE CI 45 S Grow, Robert Comment Type Text with r	ED ACCEPT. C 45.2.1.246 E E to changes. (N	P 26 RMG Conslu	iting		
Cl 45 Huber, Th Comment Subcl amen	POSED ACCEPT. SC 45.2.1.246 homas <i>t Type</i> E (lause 45.2.1.246 and	P 26 Nokia Comment Status D			EZ	PROPOSE CI 45 S Grow, Robert Comment Type Text with r	ED ACCEPT. C 45.2.1.246 e E to changes. (N e removed price	P26 RMG Conslu <i>Comment Status</i> D lor editorial note to explair	iting		
PROF Cl 45 Huber, Th Comment Subcl amen Suggeste	POSED ACCEPT. SC 45.2.1.246 homas t Type E C lause 45.2.1.246 and homent	P 26 Nokia Comment Status D its 4 subclauses do not a			EZ	CI 45 S Grow, Robert Comment Type Text with r it should b SuggestedRen	ED ACCEPT. C 45.2.1.246 E E to changes. (N e removed price medy	P26 RMG Conslu <i>Comment Status</i> D lor editorial note to explair	iting		
PROF Cl 45 Huber, Th Comment Subcl amen Suggeste Remo	POSED ACCEPT. SC 45.2.1.246 homas t Type E C lause 45.2.1.246 and homent edRemedy ove 45.2.1.246 and its	P 26 Nokia Comment Status D its 4 subclauses do not a			EZ	CI 45 S Grow, Robert Comment Type Text with r it should b SuggestedRen	ED ACCEPT. C 45.2.1.246 E E to changes. (N e removed price medy ge 26, line 35 th	P26 RMG Conslu <i>Comment Status</i> D lor editorial note to explair or to publication.)	iting		

C/ 45 SC 45.2.1.246

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CI 45	SC 45.2.1.246	P 26	L 35	# 516		CI 45	SC 4	5.2.1.246.1	P 26	L 43	# 600	
Ran, Adee		Cisco				McClellan	, Brett		Marvell			
Comment T	ype E	Comment Status D			EZ	Comment	Туре	E C	Comment Status D			EZ
There is its subc		uction nor any indication of	changes in the	ext in 45.2.1.246	and		0	nces to Claus	se 165			
SuggestedR	Remedv					Suggestee			- de la seconda da Cara da C		10	
00	,	ugh 45.2.1.246.4 from the d	raft.			149.5	1 and Ta	able149–17."	ode operations defined b			
Proposed R PROPO	esponse SED ACCEPT.	Response Status W				and T	able 149-	-17 for Multi	perations defined by bits GBASE-T1 and 165.5.1 a			
	00 45 0 4 040	Dee	1.05	" [aa.		Proposed	<i>Respons</i> POSED A		esponse Status W			
Cl 45 McClellan, E	SC 45.2.1.246	P 26 Marvell	L 35	# 604		PROF	POSED A	CCEPT.				
Comment T		Comment Status D			ΕZ	CI 45	SC 4	5.2.1.246.2	P 26	L 51	# 601	
		46 (including table 45-181)	appear identica	to the base 802 '		McClellan	, Brett		Marvell			
		at the table number should be			J-	Comment	Туре	E C	Comment Status D			EZ
SuggestedF	Remedv					missir	ng referer	nces to Claus	se 165			
00		45.2.1.246 or at least chang	e Table 45-181	to Table 45-208		Suggestee	dRemedy	/				
Proposed R PROPO	esponse SED ACCEPT.	Response Status W				to "14		0 for MultiGE	BASE-T1 and 165.3.2.2.2 on page 27 line 35	0 25GBASE-T1.		
C/ 45	SC 45.2.1.246	P 26	L35	# 477		Proposed	Respons	se Re	esponse Status W			
					Mania	PROF	POSED A	CCEPT.				
Zimmermar Comment T		Comment Status D	ng/APL Gp, CIS	co, CommScope,	EZ	C/ 45	SC 4	5.2.1.246.4	P 27	L 42	# 602	
		ction 45.2.1.246 (or subclau	ses) in the draft	and no editing		McClellan		0.2.1.240.4	Marvell		# 002	
instructi	ons.	,	,	Ũ		Comment	,	E (Comment Status D			ΕZ
SuggestedF	Remedy							nces to Claus				LZ
Delete 4	45.2.1.246 and st	bclauses, including header	s, from the draft				0					
Proposed R	lesponse	Response Status W				Suggestee			nd 149.5.2.3.2 for more ir	oformation "		
PROPO	SED ACCEPT.								2.3.2, 165.5.2.3.1 and 16		re information."	
						Proposed	Respons	se Re	esponse Status W			

C/ 45 SC 45.2.1.246.4

C/ 45 SC 45.2.246	P 26	L 35	# 407		C/ 45	SC 45.3	P 28	L 1	# 517
Vienckowski, Natalie	General Moto	rs			Ran, Adee	•	Cisco		
Comment Type T	Comment Status D			ΕZ	Comment	Туре Е	Comment Status D		I
Unchanged register de	efinitions don't need to be inclu	uded in the spec.					struction nor any indication of		
SuggestedRemedy					The dra the PIC		content up to 45.3.2.3 (without	out any changes)	but omits the rest of
	se and 45.2.1.246.x as no cha	nges have been m	nade from the ba	se	Suggested				
standard.					00		es to the PICS, remove 45.3 f	from the draft.	
Proposed Response PROPOSED ACCEPT	Response Status W				Proposed I	Response	Response Status W		
PROPOSED ACCEPT	•				•		T IN PRINCIPLE.		
CI 45 SC 45.3	P 28	L 1	# 607		D		- due ()		
AcClellan, Brett	Marvell				Remov	ve 45.3 from the	e draft.		
Comment Type E	Comment Status D			ΕZ	C/ 45	SC 45.3	P 28	L1	# 493
I see no differences be	etween this subclause and the	base 802.3-2022	2		Huber, Tho	omas	Nokia		
SuggestedRemedy					Comment	Туре Е	Comment Status D		
,	se 45.3 if no changes are mad	e to this subclaus	е		Subcla	use 45.3 (and i	ts subclauses) are shown in		PICS, but the PICS is
remove all of subclaus	e 45.3 if no changes are mad Response Status W	e to this subclaus	e		Subcla	use 45.3 (and i 45.5 in the pub			PICS, but the PICS is
remove all of subclaus	Response Status W	e to this subclaus	e		Subcla clause 802.3-2	ause 45.3 (and i 45.5 in the pub 2022.	ts subclauses) are shown in		PICS, but the PICS is
remove all of subclaus Proposed Response	Response Status W	e to this subclaus	e		Subcla clause 802.3-2 Suggested	ause 45.3 (and i 45.5 in the pub 2022. Remedy	ts subclauses) are shown in		PICS, but the PICS is
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau	Response Status W IN PRINCIPLE. se 45.3				Subcla clause 802.3-2 Suggested	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45	ts subclauses) are shown in lished 802.3, and in any case		PICS, but the PICS is
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau C/ 45 SC 45.3	Response Status W IN PRINCIPLE. se 45.3	le to this subclaus	e # <u>605</u>		Subcla clause 802.3-2 Suggested Remov Proposed I	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45	ts subclauses) are shown in lished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W		PICS, but the PICS is
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau 2/ 45 SC 45.3 AcClellan, Brett	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell				Subcla clause 802.3-2 Suggested Remov Proposed I PROPO	Ause 45.3 (and i 45.5 in the pub 2022. <i>Remedy</i> ve subclause 45 <i>Response</i> OSED ACCEPT	ts subclauses) are shown in lished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T.	e there are no ch	PICS, but the PICS is hanges compared to
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau Cl 45 SC 45.3 AcClellan, Brett Comment Type E	Response Status W IN PRINCIPLE. se 45.3 P 28 Marvell Comment Status D	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT	ts subclauses) are shown in olished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28	e there are no ch	PICS, but the PICS is
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau Cl 45 SC 45.3 McClellan, Brett Comment Type E Clause 45 PICs in the	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO C/ 45 Maguire, V	45.5 in the pub 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT SC 45.3 /alerie	ts subclauses) are shown in lished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli	e there are no ch	PICS, but the PICS is hanges compared to
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau 27 45 SC 45.3 AcClellan, Brett Comment Type E Clause 45 PICs in the SuggestedRemedy	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell Comment Status D 802.3-2022 base standard is	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO CI 45 Maguire, V Comment	Ause 45.3 (and i 45.5 in the pub 2022. <i>Remedy</i> ve subclause 45 <i>Response</i> OSED ACCEPT SC 45.3 /alerie <i>Type</i> E	ts subclauses) are shown in olished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli <i>Comment Status</i> D	e there are no ch	PICS, but the PICS is hanges compared to
remove all of subclaus proposed Response PROPOSED ACCEPT Remove all of subclau 2/ 45 SC 45.3 AcClellan, Brett Comment Type E Clause 45 PICs in the SuggestedRemedy change 45.3 to 45.5 ar	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell Comment Status D 802.3-2022 base standard is nd associated subclauses	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO CI 45 Maguire, V Comment 2 Interface	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT SC 45.3 Valerie Type E ce is capitalized	ts subclauses) are shown in lished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli	e there are no ch	PICS, but the PICS is hanges compared to
remove all of subclaus Proposed Response PROPOSED ACCEPT Remove all of subclau 27 45 SC 45.3 AcClellan, Brett Comment Type E Clause 45 PICs in the SuggestedRemedy change 45.3 to 45.5 ar Proposed Response	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell Comment Status D 802.3-2022 base standard is nd associated subclauses Response Status W	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO CI 45 Maguire, V Comment 3 Interfac Suggested	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT SC 45.3 Valerie Type E ce is capitalized IRemedy	ts subclauses) are shown in olished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli <i>Comment Status</i> D d when appearing after "MDIC	e there are no ch <i>L</i> 6 s D" (see clause 45	PICS, but the PICS is hanges compared to # 336
remove all of subclaus proposed Response PROPOSED ACCEPT Remove all of subclau 2/ 45 SC 45.3 AcClellan, Brett Comment Type E Clause 45 PICs in the SuggestedRemedy change 45.3 to 45.5 ar	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell Comment Status D 802.3-2022 base standard is nd associated subclauses Response Status W	L1		EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO CI 45 Maguire, V Comment 3 Interfac Suggested	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT SC 45.3 Valerie Type E ce is capitalized IRemedy ce, "MDIO interf	ts subclauses) are shown in olished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli <i>Comment Status</i> D	e there are no ch <i>L</i> 6 s D" (see clause 45	PICS, but the PICS is hanges compared to # 336
Proposed Response PROPOSED ACCEPT Remove all of subclau Cl 45 SC 45.3 McClellan, Brett Comment Type E Clause 45 PICs in the SuggestedRemedy change 45.3 to 45.5 ar Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE. se 45.3 P28 Marvell Comment Status D 802.3-2022 base standard is nd associated subclauses Response Status W	L1 45.5	# 605	EZ	Subcla clause 802.3-2 Suggested Remov Proposed I PROPO CI 45 Maguire, V Comment 1 Interfac Suggested Replac	Ause 45.3 (and i 45.5 in the pub 2022. IRemedy ve subclause 45 Response OSED ACCEPT SC 45.3 Valerie Type E ce is capitalized IRemedy ce, "MDIO interf	ts subclauses) are shown in olished 802.3, and in any case 5.4 and its subclauses <i>Response Status</i> W T. <i>P</i> 28 Copperopoli <i>Comment Status</i> D d when appearing after "MDIC	e there are no ch <i>L</i> 6 s D" (see clause 45	PICS, but the PICS is hanges compared to # 336

C/ **45** SC **45.3**

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C/ 45 SC 45.3.2.2	P 28	L 36	# 606		CI 78	SC 78.3	P 30	L 43	# 479
IcClellan, Brett	Marvell				Zimmerm	an, George	CME Co	onsulting/APL Gp, C	isco, CommScope, Marve
Comment Type E IEEE Std 802.3-2022 is SuggestedRemedy	Comment Status D s the new base document			EZ	165.4	EEE capability f .2.4.10." has tw	Comment Status A or 25GBASE-T1 shall be o problems. First, the ad- ining is, but not the advert	vertisement not des	cribed in 165.4.2.4.10
change multiple referen Proposed Response PROPOSED ACCEPT	nces to IEEE Std 802.3-202x Response Status W P 30	to IEEE Std 802.	# 345		165.4 The so 165.4 respective setting	.2.4.5 (you coul econd problem .2.4.5: "EEEen ctively. The PH g the correspon	d say 165.4.2.4 because is that this is a duplicate s and OAMen indicate EEE Y shall indicate the suppo ding capability bits."	it contains the full in shall with the advert and 25GBASE-T1 ort of these two optic	nfofield function) isement shall in clause OAM capability enable, onal capabilities by
Brown, Matt	F 30 Huawei	20	# 345				also problems with the e	ntries for 2.5G/5G/1	IUGBASE-11
Comment Type E	Comment Status D correct. Row in table is inser	ted not changed.		ΕZ	Suggested Chano 165.4	ge "shall be adv	rertised" to "is advertised"	on P30 L43, and ch	nange 165.4.2.4.10 to
	ws not shown" to "some rows	s not shown".			Response ACCE		Response Status C		
Same for 78.2. Proposed Response	Doononoo Statua IVI				CI 78	SC 78.3	P30	L 43	# 518
PROPOSED ACCEPT	Response Status W				Ran, Adee	e	Cisco		
					Comment	Type E	Comment Status D		EZ
Leave the instructions	as they are, but underline nev	wly inserted rows	# 608				on here is "insert", so the referable to unclude the v		
McClellan, Brett	A 30 Marvell		# 608		Suggestee	dRemedy			
Comment Type E	Comment Status D			ΕZ		•	agraph and use the "char	nge" editorial instruc	ction.
	ppear before 25GBASE-T in	Table 78-2, per p	pattern set in the			Response POSED ACCEP	Response Status W	1	
SuggestedRemedy					Chang	ge the text form	at and remove underline.		
change editor instruction 78–2	on to: Insert a row for 25GBA	SE-T1 before 250	GBASE-T in Table	•	C/ 78	SC 78.3	P 30	L 49	# 480
Proposed Response	Response Status W				Zimmerm	an, George	CME Co	onsulting/APL Gp, C	isco, CommScope, Marve
PROPOSED ACCEPT					<i>Comment</i> Missir	51	Comment Status D end of the sentence to be	e edited.	EZ
					Suggested Add a	-	uto-Negotiation"		
					Proposed	Response	Response Status W	1	

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	SC 78.3	P 30	L 49	# 609		CI 78	SC 78.5	P 31	L 2	# 610	
McClellan, Br	rett	Marvell				McClellan	, Brett	Marvell			
Comment Typ missing p		Comment Status D			EZ	Comment the 80		Comment Status D document uses 'link partner'	not 'Link Partner'		EZ
SuggestedRe change to	emedy p: Auto-Negot	iation.				Suggestee chang		to 'link partner' in every occu	rrence		
Proposed Res PROPOS	sponse SED ACCEPT	Response Status W				•	Response POSED ACCEP	Response Status W T.			
CI 78	SC 78.5	P 30	L 54	# 481		CI 78	SC 78.5	P 31	L 5	# 494	
Zimmerman,	George	CME Consult	ing/APL Gp, Cise	co, CommScope, N	Marve	Huber, Th	iomas	Nokia			
Comment Typ	pe E	Comment Status D			ΕZ	Comment	Туре Е	Comment Status D			ΕZ
		nis paragraph is already in the			e-3 of	The c	hanges indicate	ed for the text of the 10th para	graph are already	present in 802.3-	-2022
		BASE-T1 set is the same as C he MultiGBASE-T1 set is the			ie	Suggestee	dRemedy				
active." se	o the edit is u						ve the editing ir aragraph.	nstruction to modify the 10th p	paragraph.and as	sociated text of the	e
SuggestedRe	-						Response	Response Status W			
		on "Modify the 10th paragrapl lit to the text. Retain header f				•	POSED ACCEP				
				°							
to Table				C C		CI 78	SC 78.5	P 31	L 5	# 611	
to Table Proposed Res	sponse	Response Status W		C C C C C C C C C C C C C C C C C C C		<i>Cl</i> 78 McClellan		P 31 Marvell	L 5	# 611	
to Table Proposed Res PROPOS	sponse SED ACCEPT	Response Status W					, Brett	-	L5	# 611	EZ
to Table Proposed Res PROPOS	sponse	Response Status W	<i>L</i> 1	# [519		McClellan Comment	, Brett <i>Type</i> E	Marvell		# 611	EZ
to Table Proposed Res PROPOS	sponse SED ACCEPT	Response Status W				McClellan Comment	, Brett <i>Type</i> E 02.3-2022 base	Marvell Comment Status D		# <u>611</u>	EZ
to Table Proposed Res PROPOS CI 78 Ran, Adee Comment Typ	sponse SED ACCEPT SC 78.5 De T	Response Status W P 31 Cisco Comment Status D	<i>L</i> 1	# [519	EZ	McClellan Comment the 80 Suggestee	, Brett <i>Type</i> E 02.3-2022 base dRemedy	Marvell Comment Status D		# <u>611</u>	EZ
to Table Proposed Res PROPOS CI 78 Ran, Adee Comment Typ	sponse SED ACCEPT SC 78.5 De T	Response Status W P 31 Cisco	<i>L</i> 1	# [519		McClellan Comment the 80 Suggestee remov	, Brett <i>Type</i> E 02.3-2022 base dRemedy	Marvell Comment Status D document uses 'link partner' truction and text		# <u>611</u>	EZ
to Table Proposed Res PROPOS Cl 78 Ran, Adee Comment Typ The edito However,	sponse ED ACCEPT SC 78.5 De T rial instruction the text in the	Response Status W P31 Cisco Comment Status D n says "Modify the 10th parage e draft is not the tenth parage	L1 graph of 78.5 as f aph (which addre	# <u>519</u> follows:"	EZ	McClellan Comment the 80 Suggested remov	, Brett <i>Type</i> E 02.3-2022 base <i>dRemedy</i> ve the editor ins	Marvell Comment Status D document uses 'link partner' truction and text Response Status W		# <u>611</u>	EZ
to Table Proposed Res PROPOS Cl 78 Ran, Adee Comment Typ The edito However,	sponse ED ACCEPT SC 78.5 De T rial instruction the text in the	Response Status W P31 Cisco Comment Status D n says "Modify the 10th parag	L1 graph of 78.5 as f aph (which addre	# <u>519</u> follows:"	EZ	McClellan Comment the 80 Suggested remov Proposed PROF	, Brett Type E 02.3-2022 base dRemedy ve the editor ins Response POSED REJEC	Marvell Comment Status D document uses 'link partner' truction and text <i>Response Status</i> W T.	not 'Link Partner'		EZ
to Table Proposed Res PROPOS Cl 78 Ran, Adee Comment Typ The edito However, but from t	sponse SED ACCEPT SC 78.5 De T rrial instruction the text in the the seventh paragraph in	Response Status W P31 Cisco Comment Status D n says "Modify the 10th parage e draft is not the tenth parage	L1 graph of 78.5 as f aph (which addre fultiGBASE-T). eady includes the	# <u>519</u> follows:" esses MultiGBASE e final two sentence	<i>EZ</i> :-T1) es in	McClellan Comment the 80 Suggested remov Proposed PROF	, Brett Type E 02.3-2022 base dRemedy ve the editor ins Response POSED REJEC	Marvell Comment Status D document uses 'link partner' truction and text Response Status W	not 'Link Partner'		EZ
to Table Proposed Res PROPOS Cl 78 Ran, Adee Comment Typ The edito However, but from t The tenth this amer	sponse ED ACCEPT SC 78.5 De T rial instruction the text in the the seventh paragraph in adment (they a	Response Status W P31 Cisco Comment Status D n says "Modify the 10th parage e draft is not the tenth parager aragraph (which addresses M the 802.3-2022 standard alree	L1 graph of 78.5 as f aph (which addre fultiGBASE-T). eady includes the	# <u>519</u> follows:" esses MultiGBASE e final two sentence	<i>EZ</i> :-T1) es in	McClellan Comment the 80 Suggested remov Proposed PROF	, Brett Type E 02.3-2022 base dRemedy ve the editor ins Response POSED REJEC	Marvell Comment Status D document uses 'link partner' truction and text <i>Response Status</i> W T.	not 'Link Partner'		EZ
to Table Proposed Res PROPOS CI 78 Ran, Adee Comment Typ The edito However, but from t The tenth this amer required. SuggestedRe	sponse ED ACCEPT SC 78.5 De T rial instruction the text in the the seventh paragraph in adment (they a emedy	Response Status W P31 Cisco Comment Status D n says "Modify the 10th parage e draft is not the tenth parager aragraph (which addresses M the 802.3-2022 standard alree	L1 graph of 78.5 as f aph (which addre fultiGBASE-T). eady includes the); it seems that n	# <u>519</u> follows:" esses MultiGBASE e final two sentence	<i>EZ</i> :-T1) es in	McClellan Comment the 80 Suggested remov Proposed PROF	, Brett Type E 02.3-2022 base dRemedy ve the editor ins Response POSED REJEC	Marvell Comment Status D document uses 'link partner' truction and text <i>Response Status</i> W T.	not 'Link Partner'		EZ

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

SC 78.5

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C/ 78 SC 78.5	P 31	L 9	# 520		C/ 78	SC 78.5	P31	1 L 22	# 521
Ran, Adee	Cisco				Ran, Adee		Cisco		
Comment Type E	Comment Status D			ΕZ	Comment	Туре т	Comment Status	Α	
"Summary of the LPI tin not Table 78-3.	ning parameters for support	ed PHYs or inte	rfaces" is Table 78-	4,			able 78-3 are given with the two integer digits,		ve fractional digits (10 ps digits of significance.
SuggestedRemedy Change the number in t	he editorial instruction and t	he table heading	g to 78-4.				ligit indicates that this le		pected (Style manual, recision of data justifies").
Proposed Response PROPOSED ACCEPT.	Response Status W								wo fractional digits (10 ns ee (1 ns resolution). In all
CI 78 SC 78.5	P31	L 9	# 482			except 2.5GB above 100).	ASE-T1 the number of s	significant digits is up	o to 4 (2.5GBASE-T1 has
Zimmerman, George Comment Type E	Comment Status D	ing/APL Gp, Cis	sco, CommScope, I	Marve <i>EZ</i>	lt seen resolut		ry to specify and imprac	tical to measure LPI	timing delays with a 10 ps
Table 78-3 in this draft i	is 78-4 in 802.3-2022				Suggested	Remedy			
SuggestedRemedy Renumber table 78-3 as	s 78-4 in both editing instruc	tion and title					ers to four digits of signif mbers above 10). Omit		nal digits for numbers unless it is strictly required.
Proposed Response PROPOSED ACCEPT.	Response Status W				Response ACCEI	PT.	Response Status	С	
CI 78 SC 78.5	P31	L14	# 612		CI 78	SC 78.6	P32	2 <i>L</i> 1	# 614
McClellan, Brett	Marvell				McClellan,		Marve		
Comment Type E the 802.3-2022 base do	Comment Status D ocument shows this as Table	978-4		EZ	Comment T I see n		Comment Status between this subclause	-	-2022
SuggestedRemedy change Table 78-3 to Ta	able 78-4 on lines 9 and 14				Suggested remove	-	use 78.6 if no changes a	are made to this sub	clause
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed I PROP	Response OSED ACCEF	Response Status PT.	w	
					CI 78	SC 78.6	P32	2 L1	# 483
					Zimmerma	in, George	CME	Consulting/APL Gp,	Cisco, CommScope, Marve
					Comment T There a	51	Comment Status es to clause 78 PICS in		EZ
					Suggested	Remedy			
					Delete	78.6 and sub	clauses (P32 L1 - P33 L	_35)	
					Proposed I PROP	Response OSED ACCEF	Response Status PT.	w	
TYPE: TR/technical require	d ER/editorial required GR/	aeneral require	d T/technical E/edi	itorial G/o	ieneral			CI 78	Page 12 of 78

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 78.6 8/19/2022 3:34:40 PM SORT ORDER: Clause, Subclause, page, line

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C/ 78 SC 78.6	P 32	L 1	# 522	Cl	8 S	C 98.5.1	P 34	L 8	# 524	
Ran, Adee	Cisco			Ra	, Adee		Cisco			
Comment Type E Comment S	tatus D			EZ Cor	nment Type	E	Comment Status D			ΕZ
There is no editorial instruction nor an	y indication of	f changes in the	text in 78.6 (PICS).				d new text is indicated with u	nderline. Theref	ore, the instruction	
SuggestedRemedy							e (see page 20).			
If there are no changes to the PICS, re	emove 78.6 fr	om the draft.		Sug	gestedRen	•				
Proposed Response Response S	tatus W				•		struction to "Change the text	in 98.5.1 as foll	ows".	
PROPOSED ACCEPT.				Pro	osed Res		Response Status W			
78 SC 78.6	D 22	L1	# 405		PROPOSE	D ACCEPT	IN PRINCIPLE.			
	P 32	LI	# 495		Remove te	ext page 34,	lines 10-21, and change form	at of the newly	inserted line by	
luber, Thomas	Nokia				removing t	he underline).			
Comment Type E Comment S There appear to be no actual changes		auga Thara ara	nlagga in 79 6 2 2 c	EZ — C/	8 B S	C 98B.4	P147	L 31	# 630	
78.6.3 where clause 78.4 has been in					lellan, Bre	tt	Marvell			
is the same as 802.3-2022	-		-	Cor	nment Type	E	Comment Status D			Eź
uggestedRemedy					unnecessa	ry line adde	d			
Remove subclause 78.6 (and its subc	lauses)			Sug	gestedRen	nedy				
Proposed Response Response S	tatus W				delete extra	-				
PROPOSED ACCEPT.				Pro	osed Res	oonse	Response Status W			
C/78 SC 78.6	P32	L6	# 613		PROPOSE	D ACCEPT	,			
/cClellan, Brett	Marvell	-		Cl	04 0	C 104	P35	L1	# 473	
comment Type E Comment S	tatus D			E7	•••••			-		long
multiple reference to 78.5 in this subcl	ause do not r	natch 802.3-202	2		merman, G	0	Comment Status A	ING/APL GP, CI	sco, CommScope, M	larve
SuggestedRemedy				Cor	nment Type According		tives, the project is to suppor	clause 104 ove	ar appropriate media	
change all occurences of 78.5 to 78.4	in subclause	78.6					ent in the draft, and the curre			
Proposed Response Response S	tatus W				Discussion	has been to	o use the same parameters a	s 10GBASE-T1		
PROPOSED ACCEPT IN PRINCIPLE				Sug	gestedRen	nedy				
Subclause 78.6 was not modifed in P8	302.3cy and w	vill be removed.			change the are compa PSE and T	final senter tible with 2.5 ype F PD a	04.1.3 PoDL system types to nee of the second paragraph 5GBASE-T1, 5GBASE-T1, ar re compatible with 2.5GBASE (editor to put in strikeouts, ur	from "A Type F d 10GBASE-T1 -T1, 5GBASE-T	FPSE and Type F PE PHYs." to "A Type I F1, 10GBASE-T1, ar	D F
					Also, chan references		references to Clause 104 (in	1.4.473 and 1.4	.472 (if added)) to cr	oss-
				Res	oonse		Response Status C			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/104Page 13 of 78COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC 1048/19/2022 3:34:40 PMSORT ORDER: Clause, Subclause, page, lineSC 104SC 104SC 104

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

CI 105 SC 105	P 35	L 1	# 381	C/ 105	SC 105.1.1	P 34	L 6	# 523
Grow, Robert	RMG Conslut	ing		Ran, Adee		Cisco		
Comment Type ER	Comment Status D		EZ	Comment T	ype E	Comment Status D		EZ
	ent 7) currently specifies include targeted to be Amendment 9, b			Editoria	l instruction is	missing for 105.1.1		
	I changes in P802.3/D2.2.		include proposed	SuggestedF	-			
SuggestedRemedy	-			Add "Ch	nange" instruc	tion.		
Use base text from F	802.3cz/D2.2. Individual comr	nents will be ma	ade on items noticed.	Proposed R	•	Response Status W		
Proposed Response	Response Status W			PROPC	SED ACCEP	T IN PRINCIPLE.		
PROPOSED ACCEP	PT IN PRINCIPLE.			See cor	nment #408 fe	or 105.1.1		
Align Clause 105 wit	h changes done in IEEE P802.	3cz D2.2		C/ 105	SC 105.1.1	P 35	L 4	# 382
C/ 105 SC 105	P 39	L1	# 663	Grow, Robe	ert	RMG Conslut	ing	
Murty, Ramana	Broadcom			Comment T		Comment Status D		EZ, 105.1.1
Comment Type E	Comment Status D		EZ	Missing	editorial instr	uction.		
Blank page				SuggestedF	,			
SuggestedRemedy				•		bh (as modified by P802.3cz/D	2.2) as follows:	
Remove blank page.				Proposed R	,	Response Status W		
Proposed Response	Response Status W			PROPC	ISED ACCEP	T IN PRINCIPLE.		
PROPOSED ACCEP	РТ.			See cor	nment #408			
C/ 105 SC 105.1	P 35	L 7	# 384	C/ 105	SC 105.1.1	P 35	L 7	# 408
Marris, Arthur	Cadence Des	ign Systems		Wienckows	ki, Natalie	General Moto	rs	
Comment Type E	Comment Status D		EZ	Comment T		Comment Status D		EZ, 105.1.1
Missing editing instru	uctions				inge made by Std 802.3cy	IEEE Std 802.3cz removed th	e list of PHYs s	o no change is needed
SuggestedRemedy				SuggestedF		•		
Add editing instruction not an editorial note.	ons for 105.1.1 and 105.1.3. Co	rrect editing ins	truction for 105.7. It is	Delete	,			
Proposed Response	Response Status W			Proposed R	esponse	Response Status W		
PROPOSED ACCEP	PT IN PRINCIPLE.			PROPC	SED ACCEP	Т.		
See comment #408	for 105.1.1							
Add editing instruction	ons for 105.1.3. Correct editing	instruction for 1	05.7 It is not an					
editorial note.	silo ioi ioo. i.o. oonool editing							

C/ 105 SC 105.1.1

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 105.1.1	P 35	L 7	# 360	C/ 105 SC 105.1.	P 35	L12	# 347
Grow, Robert	RMG Conslut	ing		Brown, Matt	Huawei		
Comment Type ER	Comment Status D		EZ, 105.1.1	Comment Type ER	Comment Status D		EZ, 105.1
P802.3cz (Amendmen	t 7) currently specifies remove	al of the list in th	iis paragraph.	Instruction is not cor	sistent with proper form.		
SuggestedRemedy				SuggestedRemedy			
	02.3cz/D2.2 or work with P80 that keep reappearing in Std		ee on a common	Figure instructions s		0	
Proposed Response	Response Status W			"Replace Figure 131 Then either:	-1 (adding stack for 25GBASE	E-T1 and adding	NOTE 2) as follows:"
PROPOSED ACCEPT	IN PRINCIPLE.			"Insert new bullet e a	is shown:" and remove the un vs:" and include whole list, wit		derlined
See comment #408				Proposed Response	Response Status W		
C/ 105 SC 105.1.1	P 35	L10	# 496	PROPOSED ACCEI	•		
Huber, Thomas Comment Type E	Nokia Comment Status D		EZ, 105.1.1	Changes relative to	suggested remedy in >><<		
Missing an editing instr	ruction		,		ctions, one for text and one fo	or figure.	
				Figure instructions s			
SuggestedRemedy		nh of 105 1 1 as	shown	"Replace Figure >>1	05<<-1 (>>as modified by P8	02.3cz/D3.2<<, a	dding stack for
SuggestedRemedy Add an editing instructi	ion to modify the first paragra	ph of 105.1.1 as	s shown.	"Replace Figure >>1 25GBASE-T1 and a			-
SuggestedRemedy	ion to modify the first paragra Response Status W	ph of 105.1.1 as	s shown.	"Replace Figure >>1 25GBASE-T1 and a	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" pullet e as shown:" and remov		<
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT	ion to modify the first paragra Response Status W	ph of 105.1.1 as	s shown.	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new C/ 105 SC 105.1."	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" pullet e as shown:" and remov	ve the underline<	-
SuggestedRemedy Add an editing instructi Proposed Response	ion to modify the first paragra Response Status W	ph of 105.1.1 as	s shown.	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" pullet e as shown:" and remov P35	ve the underline<	<
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408	ion to modify the first paragra Response Status W	ph of 105.1.1 as <i>L</i> 10	s shown. # <u>525</u>	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P 35 Cisco	re the underline< L12	< # <u>526</u> <i>EZ, 105.</i>
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408	ion to modify the first paragra <i>Response Status</i> W IN PRINCIPLE.			"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new C/ 105 SC 105.1." Ran, Adee Comment Type E The change of the te	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P 35 Cisco Comment Status D	L 12	< # <u>526</u> <i>EZ, 105.</i>
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 C/ 105 SC 105.1.1 Ran, Adee	ion to modify the first paragra <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35			"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P 35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base doct	L 12	< # <u>526</u> <i>EZ</i> , 105.
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 C/ 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded	ion to modify the first paragra <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35 Cisco	L 10	# <u>525</u> <i>EZ</i> , 105.1.1	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P 35 Cisco Comment Status D xt in 105.1.2 does not include	L 12	< # <u>526</u> <i>EZ, 105.</i>
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 C/ 105 SC 105.1.1 Ran, Adee Comment Type E	ion to modify the first paragra Response Status W ⁷ IN PRINCIPLE. P 35 Cisco Comment Status D	L 10	# <u>525</u> <i>EZ</i> , 105.1.1	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base door 131-1" - should be 105-1.	<i>L</i> 12 <i>L</i> 12 the context and ument.	< # <u>526</u> <i>EZ, 105.</i> makes the new text
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 C/ 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded keeps growing.	ion to modify the first paragra Response Status W ⁷ IN PRINCIPLE. P 35 Cisco Comment Status D	L 10	# <u>525</u> <i>EZ</i> , 105.1.1 s examples, the list	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy Separate into two in: second to the text - o	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base doct 131-1" - should be 105-1. structions, the first for the figure ither the second paragraph o	<i>L</i> 12 the context and ument. re (and change it r the list of excep	< # <u>526</u> <i>EZ, 105.</i> makes the new text to Figure 105-1), the tions.
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 Cl 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded keeps growing. The list of PHYs has no referenced. SuggestedRemedy	ion to modify the first paragra Response Status W TIN PRINCIPLE. P 35 Cisco Comment Status D d by "such as" which suggests o merit here. Table 105–1 co	L 10 s it only includes	# <u>525</u> <i>EZ</i> , 105.1.1 s examples, the list	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy Separate into two in: second to the text - o	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base door 131-1" - should be 105-1.	<i>L</i> 12 the context and ument. re (and change it r the list of excep	< # <u>526</u> <i>EZ</i> , 105. makes the new text to Figure 105-1), the tions.
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 Cl 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded keeps growing. The list of PHYs has no referenced. SuggestedRemedy Delete the list of PHYs	ion to modify the first paragra Response Status W "IN PRINCIPLE. P35 Cisco Comment Status D d by "such as" which suggests o merit here. Table 105–1 col	L 10 s it only includes	# <u>525</u> <i>EZ</i> , 105.1.1 s examples, the list	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy Separate into two in: second to the text - o Include the full list of	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" bullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base doct 131-1" - should be 105-1. structions, the first for the figure ither the second paragraph o	<i>L</i> 12 the context and ument. re (and change it r the list of excep	< # <u>526</u> <i>EZ</i> , 105. makes the new text to Figure 105-1), the tions.
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 Cl 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded keeps growing. The list of PHYs has no referenced. SuggestedRemedy Delete the list of PHYs Proposed Response	ion to modify the first paragra Response Status W "IN PRINCIPLE. P35 Cisco Comment Status D d by "such as" which suggests o merit here. Table 105–1 col and refer to Table 105–1 ins Response Status W	L 10 s it only includes	# <u>525</u> <i>EZ</i> , 105.1.1 s examples, the list	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy Separate into two in: second to the text - o Include the full list of exceptions".	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" oullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base door 131-1" - should be 105-1. structions, the first for the figure either the second paragraph o exceptions or use "insert a ne Response Status W	<i>L</i> 12 the context and ument. re (and change it r the list of excep	< # <u>526</u> <i>EZ, 105.</i> makes the new text to Figure 105-1), the tions.
SuggestedRemedy Add an editing instructi Proposed Response PROPOSED ACCEPT See comment #408 Cl 105 SC 105.1.1 Ran, Adee Comment Type E Although it is preceded keeps growing. The list of PHYs has no referenced. SuggestedRemedy	ion to modify the first paragra Response Status W "IN PRINCIPLE. P35 Cisco Comment Status D d by "such as" which suggests o merit here. Table 105–1 col and refer to Table 105–1 ins Response Status W	L 10 s it only includes	# <u>525</u> <i>EZ</i> , 105.1.1 s examples, the list	"Replace Figure >>1 25GBASE-T1 and a Then >>"Insert new Cl 105 SC 105.1." Ran, Adee Comment Type E The change of the te obscure for readers Also, "Update Figure SuggestedRemedy Separate into two in: second to the text - o Include the full list of exceptions". Proposed Response	05<<-1 (>>as modified by P8 dding NOTE 2) as follows:" oullet e as shown:" and remov P35 Cisco Comment Status D xt in 105.1.2 does not include without going to the base door 131-1" - should be 105-1. structions, the first for the figure either the second paragraph o exceptions or use "insert a ne Response Status W	<i>L</i> 12 the context and ument. re (and change it r the list of excep	< # <u>526</u> <i>EZ, 105.</i> makes the new text to Figure 105-1), the tions.

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

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IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 105.1.2	P 35	L11	# 361	C/ 105 SC 105.1.2	P 35	L12	# 409
Grow, Robert	RMG Conslutir	ng		Wienckowski, Natalie	General Moto	rs	
Comment Type ER	Comment Status D		EZ, 105.1.2	Comment Type E	Comment Status D		EZ, 105.1.2
	uld follow the subclause title li			Change to an editoria	al instruction for Figure 131-1 or	nly and refer t	o IEEE Std 802.3cz.
split into two to point at instruction.	appropriate documents (e.g.,	P802.3cz) and	I use correct editing	SuggestedRemedy			
SuggestedRemedy				Delete the existing ed	ditorial note and add the followin	ng: Replace	Figure 131-1 (as modified
Move editorial instruction	on below subclause title. Instru			Proposed Response	-202x) with the figure found belo	ow, which add	IS ZOGBASE-11.
"Replace Figure 105-1 protocol stack for 25GE	(as modified by P802.3cz/D3.2 BASE-T1 and adds NOTE-2."	2) with the belo	ow which adds a	PROPOSED ACCEP	Response Status W		
Proposed Response	Response Status W			See comment #347			
PROPOSED ACCEPT	IN PRINCIPLE.			C/ 105 SC 105.1.2	P35	L16	# 411
See comment #347				Wienckowski, Natalie	General Moto	rs	
C/ 105 SC 105.1.2	P 35	L12	# 357	Comment Type E	Comment Status D		EZ, 105.1.2
Lewis, Jon	Dell Technolog	jies		Add editorial note for	the text and put the text before	the Figure.	
Comment Type E	Comment Status D		EZ, 105.1.2	SuggestedRemedy			
-	ns for 105.1.2 it indicates that	Figure 131-1 is	s being modified.	_x_ means underline Change 105.1.2 addi	"x" ng a new bullet e) as shown be	low.	
SuggestedRemedy		-	-	Change 105.1.2 addi			single-lane data path
SuggestedRemedy Change editing instruct	ns for 105.1.2 it indicates that ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS	2 adding a new	v bullet e as shown	Change 105.1.2 addi	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W		single-lane data path
SuggestedRemedy Change editing instruct below. Update Figure 1 below" Proposed Response	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS Response Status W	2 adding a new	v bullet e as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W		single-lane data path
SuggestedRemedy Change editing instruct below. Update Figure 1 below"	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS Response Status W	2 adding a new	v bullet e as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE.		single-lane data path # 362
SuggestedRemedy Change editing instruct below. Update Figure 1 below" Proposed Response	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS Response Status W	2 adding a new	v bullet e as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE.	E-T1 uses a s	
SuggestedRemedy Change editing instruct below. Update Figure 1 below" Proposed Response PROPOSED ACCEPT See comment #347	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS Response Status W	2 adding a new	v bullet e as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 Cl 105 SC 105.1.2	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W IT IN PRINCIPLE. <i>P</i> 35	E-T1 uses a s	
SuggestedRemedy Change editing instruct below. Update Figure 1 below" Proposed Response PROPOSED ACCEPT See comment #347 C/ 105 SC 105.1.2	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS <i>Response Status</i> W IN PRINCIPLE.	2 adding a new SE T1 and addi	/ bullet e as shown ng NOTE 2 as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 C/ 105 SC 105.1.2 Grow, Robert	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 35 RMG Consluti <i>Comment Status</i> D	E-T1 uses a s	# 362
SuggestedRemedy Change editing instruct below. Update Figure 10 below" Proposed Response PROPOSED ACCEPT See comment #347 C/ 105 SC 105.1.2 Huber, Thomas	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35	2 adding a new SE T1 and addi	/ bullet e as shown ng NOTE 2 as shown	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 C/ 105 SC 105.1.2 Grow, Robert Comment Type TR	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 35 RMG Consluti <i>Comment Status</i> D	E-T1 uses a s	# 362
SuggestedRemedy Change editing instruct below. Update Figure 10 below" Proposed Response PROPOSED ACCEPT See comment #347 C/ 105 SC 105.1.2 Huber, Thomas Comment Type E	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35 Nokia	2 adding a new SE T1 and addi	# 497	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 Cl 105 SC 105.1.2 Grow, Robert Comment Type TR The PCS type should	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 35 RMG Consluti <i>Comment Status</i> D	E-T1 uses a s	# 362
SuggestedRemedy Change editing instruct below. Update Figure 10 below" Proposed Response PROPOSED ACCEPT See comment #347 C/ 105 SC 105.1.2 Huber, Thomas Comment Type E	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35 Nokia <i>Comment Status</i> D	2 adding a new SE T1 and addi	# 497	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 C/ 105 SC 105.1.2 Grow, Robert Comment Type TR The PCS type should SuggestedRemedy	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 35 RMG Consluti <i>Comment Status</i> D	E-T1 uses a s	# 362
SuggestedRemedy Change editing instruct below. Update Figure 1 below" Proposed Response PROPOSED ACCEPT See comment #347 Cl 105 SC 105.1.2 Huber, Thomas Comment Type E The editing instruction in	ions to read: "Change 105.1.2 05-1 adding stack for 25GBAS <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 35 Nokia <i>Comment Status</i> D	2 adding a new SE T1 and addi	# 497	Change 105.1.2 addi _e) The MDI as spec Proposed Response PROPOSED ACCEP See comment #347 Cl 105 SC 105.1.2 Grow, Robert Comment Type TR The PCS type should SuggestedRemedy 25GBASE-T1 PCS	ng a new bullet e) as shown be ified in Clause165 for 25GBASI <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 35 RMG Consluti <i>Comment Status</i> D I be specified. <i>Response Status</i> W	E-T1 uses a s	# 362

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

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IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105	SC 105.1.2	P 35	L 27	# 615	C/ 105
McClellan,	, Brett	Marvell			D'Ambrosia,
Comment	51	Comment Status D		EZ, 25GBASE-T1 PCS	Comment Ty
Suggested		SE-T1 stack should be identif	ied similar to th	e pre-existing stacks	As previ noticed sublayer seem to
Proposed	Response	Response Status W			PCS fun
PROP	OSED ACCEPT	IN PRINCIPLE.			SuggestedR If the co
See co	omment #452				25GBAS should b
C/ 105	SC 105.1.2	P 35	L 27	# 456	Response
He, Xiang		Huawei			ACCEP
Comment (Figure	51	Comment Status D BASE-T1, FEC is part of PCS	S functions, so	<i>EZ, 25GBASE-T1 PCS</i> it is better not to list	Figure 1
	is a separate sub amples.	layer in this figure. Please ref	er to 25GBASE	E-T or 10GBASE-T1 as	C/ 105
	•				D'Ambragia
Suggested	Remedy				D'Ambrosia,
Recom		the "PCS" box as "25GBASI the FEC box.	E-T1 PCS" (pre	eferred) or "64B/65B RS-	Comment Ty
Recom FEC P Proposed	nmend to change PCS" and remove	the FEC box. Response Status W	E-T1 PCS" (pre	ferred) or "64B/65B RS-	Comment Ty The stac SuggestedR
Recom FEC P Proposed I PROP	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT	the FEC box. Response Status W	E-T1 PCS" (pre	ferred) or "64B/65B RS-	Comment Ty The star SuggestedR Modify t Proposed R
Recom FEC P Proposed I PROP	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT	the FEC box. Response Status W IN PRINCIPLE.	E-T1 PCS" (pre	eferred) or "64B/65B RS- # <u>616</u>	Comment Ty The star SuggestedF Modify t Proposed R PROPO
Recom FEC P Proposed I PROP See co	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT pomment #362 + ro SC 105.1.2	the FEC box. <i>Response Status</i> W IN PRINCIPLE. emove the FEC box		·	Comment Ty The star SuggestedR Modify t Proposed R
Recom FEC P Proposed I PROP See cc Cl 105 McClellan, Comment	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT omment #362 + re SC 105.1.2 , Brett <i>Type</i> E	the FEC box. Response Status W IN PRINCIPLE. emove the FEC box P35 Marvell Comment Status D	L 28	# <u>616</u> <i>EZ</i>	Comment Ty The stac SuggestedR Modify t Proposed R PROPO
Recom FEC P Proposed I PROP See cc Cl 105 McClellan, Comment	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT omment #362 + re SC 105.1.2 , Brett <i>Type</i> E	the FEC box. <i>Response Status</i> W IN PRINCIPLE. emove the FEC box <i>P</i> 35 Marvell	L 28	# <u>616</u> <i>EZ</i>	Comment Ty The stat SuggestedR Modify t Proposed R PROPO Redraw Cl 105
Recom FEC P Proposed I PROP See cc Cl 105 McClellan, Comment the FE Suggested	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT comment #362 + re <i>SC</i> 105.1.2 , Brett <i>Type</i> E FC in the 25GBAS <i>IRemedy</i>	the FEC box. Response Status W IN PRINCIPLE. emove the FEC box P35 Marvell Comment Status D	L 28	# <u>616</u> <i>EZ</i>	Comment Ty The stac SuggestedR Modify t Proposed R PROPO Redraw C/ 105 Grow, Robe Comment Ty
Recom FEC P Proposed I PROP See cc Cl 105 McClellan, Comment the FE Suggested delete Proposed I PROP	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT omment #362 + re <i>SC</i> 105.1.2 , Brett <i>Type</i> E C in the 25GBAS <i>IRemedy</i> 'FEC' and insert <i>Response</i> POSED ACCEPT	the FEC box. Response Status W IN PRINCIPLE. emove the FEC box P35 Marvell Comment Status D SE-T1 stack is not a separate 'RS-FEC' before PCS Response Status W	L 28	# <u>616</u> <i>EZ</i>	Comment Ty The star SuggestedF Modify t Proposed R PROPO Redraw Cl 105 Grow, Robe Comment Ty P802.3c SuggestedF Use Fig could be
Recom FEC P Proposed I PROP See cc Cl 105 McClellan, Comment the FE Suggested delete Proposed I PROP	nmend to change PCS" and remove <i>Response</i> POSED ACCEPT comment #362 + ro <i>SC</i> 105.1.2 , Brett <i>Type</i> E FC in the 25GBAS <i>Remedy</i> 'FEC' and insert <i>Response</i>	the FEC box. Response Status W IN PRINCIPLE. emove the FEC box P35 Marvell Comment Status D SE-T1 stack is not a separate 'RS-FEC' before PCS Response Status W	L 28	# <u>616</u> <i>EZ</i>	Comment Ty The stac SuggestedR Modify t Proposed R PROPO Redraw

		105.1.2	P 35	L 37	# 453
D'Ambros	ia, Johr	า	Futurewei,	US Subsidiary of H	luawei
Comment	Туре	TR	Comment Status A		
notice subla seem	ed additi yer unde to indic	onally that er the PCS ate that FI	ed the stacks in Figs 105 these diagrams treat FE s, while in 165-1 it is com EC is a TX PCS function a omewhat difficult to figure	C differently. In 105 bined with the PCS. and there is no such	5-1 FEC is in a Clause 165.3.2.2.2
Suggeste	dRemed	ly			
25GB	ASE-T1	PCS/FEC	lerstanding the draft corre C/PMA. As noted previou natch the stack in Fig 165	sly, the stack of 250	
Response	;		Response Status W		
ACCE	PT IN F	PRINCIPL	Ε.		
Figure	e 105-1	will be mo	dified to match the stack	in Figure 165-1.	
C/ 105	SC	105.1.2	P 35	L 37	# 452
D'Ambros	ia, Johr	า	Futurewei,	US Subsidiary of H	luawei
<i>Comment</i> The s		TR 25GBASE	Comment Status D -T1 in Fig 105-1does not	match the stack sh	own in Fig 165-1.
Suggeste	dRomor	w			
00		•	BASE-T1 in Fig 105-1 to	match the stack in	Fig 165-1.
Modif Proposed	y the sta <i>Respor</i>	ack of 25G nse	BASE-T1 in Fig 105-1 to <i>Response Status</i> W IN PRINCIPLE.	match the stack in	Fig 165-1.
Modif Proposed PROF	y the sta <i>Respor</i> POSED	ack of 25G nse ACCEPT	Response Status W		Fig 165-1.
Modif Proposed PROF	y the sta <i>Respor</i> POSED w 25GE	ack of 25G nse ACCEPT	Response Status W		Fig 165-1. # <u>363</u>
Modif Proposed PROF Redra	y the sta <i>Respor</i> POSED ww 25GE SC	ack of 25G nse ACCEPT BASE-T1 s	Response Status W IN PRINCIPLE. tack in Figure 105-1 to m	natch Figure 165-1. <i>L</i> 45	
Modif Proposed PROF Redra Cl 105 Grow, Ro Comment	y the sta Respor POSED aw 25GE SC bert Type	ACCEPT ACCEPT BASE-T1 s 105.1.2 ER	Response Status W IN PRINCIPLE. stack in Figure 105-1 to m	natch Figure 165-1. <i>L</i> 45	
Modif Proposed PROF Redra Cl 105 Grow, Ro Comment	y the sta Respor POSED aw 25GE SC bert Type 3cz also	ACCEPT ACCEPT BASE-T1 s 105.1.2 ER p adds a s	Response Status W IN PRINCIPLE. tack in Figure 105-1 to m P35 RMG Cons Comment Status D	natch Figure 165-1. <i>L</i> 45	# 363
Modif Proposed PROF Cl 105 Grow, Ro Comment P802. Suggester Use F could	y the sta Respon POSED www.25GE SC bert Type 3cz also dRemec Gigure 10 be inse	ACCEPT BASE-T1 s 105.1.2 ER b adds a s dy D5-1 from rted to the	Response Status W IN PRINCIPLE. tack in Figure 105-1 to m P35 RMG Cons Comment Status D	atch Figure 165-1. <i>L</i> 45 sluting or modification. Th	# <u>363</u> <i>EZ, Figure 105</i> e 25GBASE-T1 stack

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
 105

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 105.1.2

 SORT ORDER: Clause, Subclause, page, line
 SC
 105.1.2
 SC
 105.1.2

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Proposed Respons	ies IEEE	P802.3cy D2	2.0 10G+ Auto Task Fo	rce Initial V	Vorking Grou	p ballot comments		
C/ 105 SC 105.1.2	P 35	L 45	# 410	C/ 105	SC 105.1.3	P 35	L 50	# 617
Wienckowski, Natalie	General Moto	rs		McClellan	, Brett	Marvell		
Comment Type T Need to change Figu	Comment Status D re 105-1 to also include 25GBA	SE-AU.	EZ, Figure 105-1	<i>Comment</i> this su	51	Comment Status D ing editor's instructions for sub	Iclause 105.1.3	<i>EZ, 105.1.3</i> 3 and Table 105-1
SuggestedRemedy Modify Figure 105-1 from 802.3cz D2.1. Proposed Response PROPOSED ACCEF	to include 4 PHYS, similar to 12 <i>Response Status</i> W PT.	25-1, adding the	25GBASE-AU stack	Proposed PROF	ditor's instructior Response	n as needed Response Status W TIN PRINCIPLE.		
C/ 105 SC 105.1.2	P 35	L 47	# 364	C/ 105	SC 105.1.3	P35	L51	# 412
Grow, Robert	RMG Conslut	ing						# 412
Comment Type ER	Comment Status D		EZ, 105.1.2		vski, Natalie	General Motor	S	
Insert second editoria	al instruction.			Comment	<i>Type</i> E ditorial instructio	Comment Status D		EZ, 105.1.3
SuggestedRemedy				Suggester		//1.		
Insert new item at bo Proposed Response	ottom of lettered list. Response Status W			Insert	-	aph for 25GBASE-T1 after the	new paragraph	n inserted by IEEE Std
PROPOSED ACCEP	PT IN PRINCIPLE.				Response	Response Status W		
See comment #347				PROF	OSED ACCEPT	IN PRINCIPLE.		
C/ 105 SC 105.1.3	P 35	L13	# 358	See c	omment #365			
Lewis, Jon	Dell Technolo	gies		C/ 105	SC 105.1.3	P 35	L 51	# 413
Comment Type E	Comment Status D		EZ, 105.1.3	Wienckow	vski, Natalie	General Motor	S	
Are editing instruction	ns needed for Table 105-1?			Comment	Туре Е	Comment Status D		EZ, 105.1.3
SuggestedRemedy								
Please add the appro	opriate editing instructions			Suggestee	dRemedy			
Proposed Response	Response Status W			Delete	e unchanged par	agraph on 25GBASE-T.		
PROPOSED ACCEP	PT IN PRINCIPLE.			Proposed	Response	Response Status W		
See comment #365				PROF	POSED ACCEPT	IN PRINCIPLE.		
				See c	omment #365			

C/ 105 SC 105.1.3 Page 18 of 78 8/19/2022 3:34:40 PM

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105	SC 105.1.3	P 35	L 51	# 365	C/ 105	SC 105.1.3	3	P 36	L 6	# 484
Grow, Rob	pert	RMG Conslu	ting		Zimmerma	an, George		CME Consul	ting/APL Gp, Cis	sco, CommScope, Marve
Comment	Type ER	Comment Status D		EZ, 105.1.3	Comment	Туре Е	Comment	Status D		EZ, 105.1.
Missin 105.1.		uction. Unchanged text is incl	uded in draft wit	hout including alll of		is no correspo 3 is not shown		struction for thi	s edit to 105.1.3	and the full text of
Suggested	lRemedy				Suggested	Remedy				
		52 through page 36, line 4. Ecore paragraph inserted by P80		"Insert new third	Insert i	new fourth par	on at P35 L49 (b agraph to 105.1	.3 as shown:		
	Response POSED ACCEP	Response Status W T.			Remov Replac	ve underline fro ce "Physical La	om new paragra ayer devices a	aph at P36 L6 - at 25Gb/s" on P	P36 L10	" (P35 L52 - P36 L4) editing instruction,
C/ 105	SC 105.1.3	P 35	L 52	# 527	Proposed I		Response	`	inonangea rows	
Ran, Adee	3	Cisco			,	•	PT IN PRINCIPL			
Comment	Туре Е	Comment Status D		EZ, 105.1.3		OOLD NOOLI				
		missing for 105.1.3.			See co	omment #365				
		the amendment is the third o	ne in the base st	andard.	C/ 105	SC 105.1.3	3	P 36	L 6	# 414
Suggested	-				Wienckow	ski, Natalie		General Mot	ors	
Add a	"Change" instru	uction and bring in the missing	two paragraphs	5.	Comment	Туре Е	Comment	Status D		E
Alterna	atively, use "Ins	ert the following paragraph af	ter the third para	graph of 105.1.3".	Underl	ine is not need	ded with an "ins	ert" instruction.		
Proposed	Response	Response Status W			Suggested	Remedy				
PROP	OSED ACCEP	T IN PRINCIPLE.			Remov	ve underlining	from new text.			
See co	omment #365				Proposed I PROP	Response OSED ACCEF	Response PT.	Status W		
					C/ 105	SC 105.1.3	3	P 36	L 7	# 528
					Ran, Adee	;		Cisco		
					Comment	Туре Т	Comment	Status A		
					"for tra	nsmitting 25 G	Gb/s Ethernet" -	and also receiv	ving?	
					The pr	eceding parag	raph for 25GBA	SE-T has "for	data communica	tion at 25 Gb/s" instead
					Suggested	Remedy				
						-	unication at 25 (Gb/s" as in the	previous paragra	aph.
					Response		Response	Status C		

C/ 105 SC 105.1.3

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 105.1.3	P 36	L 9	# 618	C/ 105 SC 105.1.3	P 36	L 13	# 415
McClellan, Brett	Marvell			Wienckowski, Natalie	General Moto	ors	
Comment Type E description should con	Comment Status D form to existing baseline text		EZ	Comment Type E Comm Add editorial instruction.	nent Status D		EZ, Table 105-1
SuggestedRemedy change 'Physical Codii Proposed Response PROPOSED ACCEPT Line number was fixed		ing sublayer'		SuggestedRemedy Insert a row for for 25GBASE-T1 modified by IEEE Std 802.3cz-2 As this is not the last row, a row Proposed Response Respon PROPOSED ACCEPT.	02x) as follows (und	changed rows no	t shown):
C/ 105 SC 105.1.3	P 36	L12	# 366	C/ 105 SC 105.1.3	P36	L 21	# 485
Grow, Robert	RMG Conslut	ing		Zimmerman, George	CME Consult	ing/APL Gp, Cis	co, CommScope, Marve
Comment Type ER Missing editorial instru-	Comment Status D ction.		<i>EZ, Table 105-1</i>	suppressing hyphenation on des	nent Status D scription will make th	he description m	EZ ore readable.
SuggestedRemedy Insert new row into Tal	ble 105-1 for 25GBASE-T1 af	ter 25GBASE-T:		SuggestedRemedy suppress hyphenation on "single	e balanced pair of co	onductors"	
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response Respon PROPOSED ACCEPT.	nse Status W		
See comment #415				C/ 105 SC 105.1.3	P 36	L 50	# 498
C/ 105 SC 105.1.3	P 36	L13	# 529	Huber, Thomas	Nokia		
Ran, Adee Comment Type E	Cisco Comment Status D		EZ, Table 105-1	Comment Type E Comm Missing an editing instruction	nent Status D		EZ, Table 105-1
21	missing for Table 105-1.		,	SuggestedRemedy			
SuggestedRemedy Add an appropriate ins	struction			Add an editing instruction to inse modify Table 105-1 as shown.	ert a new paragraph	after the 3rd par	ragraph as shown and
Proposed Response	Response Status W			Proposed Response Response Response	nse Status W CIPLE.		
PROPOSED ACCEPT See comment #415	IN PRINCIPLE.			See comment #415			

C/ 105 SC 105.1.3

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 1	105.2	P 37	L1	# 619	C/ 105 SC 105.2	P 37	L 2	# 416
McClellan, Brett		Marvell			Wienckowski, Natalie	General Moto	ors	
51		nment Status D or's instructions for sul	olclause 105.2 a	<i>EZ, Table 105-2</i> nd Table 105-2	Comment Type E Add editorial instruct	Comment Status D ion.		EZ, Table 105-2
Proposed Respons	istruction as nee	ponse Status W				5GBASE-T1 before the row for 98 and Clause 165 (as modifie t shown):		
PROPOSED A	ACCEPT IN PR	NCIPLE.			Proposed Response PROPOSED ACCEF	Response Status W		
C/ 105 SC 1	105.2	P37	L1	# 499	See comment #367			
Huber, Thomas		Nokia			C/ 105 SC 105.2	P37	L 2	# 417
		mment Status D		EZ, Table 105-2	Wienckowski, Natalie	General Moto	ors	
SuggestedRemedy	ly	to modify Table 105-2			Comment Type E Need to have merge	Comment Status D d rows before and after new row	w that is in the m	EZ niddle of the table.
0	,	nsert a new row at the	end of Table 10	5-2 as shown.	SuggestedRemedy			
Proposed Respons PROPOSED A	ise Res _i ACCEPT IN PRI	ponse Status W				ore 25GBASE-T1 to a merged r merged and includes an elipse		es. Add a row after
See comment	t #367				Proposed Response PROPOSED ACCEF	Response Status W		
C/ 105 SC 1	105.2	P37	L 2	# 367	C/ 105 SC 105.2	P37	L3	# 530
Grow, Robert		RMG Conslut	ing		Ran, Adee	Cisco	23	# 330
Comment Type Missing editoria	_	nment Status D		EZ, Table 105-2	Comment Type E	Comment Status D s missing for Table 105-2.		EZ, Table 105-2
	or 25GBASE-T1	after 25GBASE-T and se 114 and clause 16			SuggestedRemedy Add an appropriate in	Ū		
	se Res	oonse Status W	-		Proposed Response	Response Status W		
Proposed Respons PROPOSED A	ACCEPT.				PROPOSED ACCEF	PT IN PRINCIPLE.		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 105	Page 21 of 78
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 105.2	8/19/2022 3:34:41 PM
SORT ORDER: Clause, Subclause, page, line		

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105	SC 105.2	P37	L3	# 487	C/ 105	SC 105.2	P;	37	L 6	# 451
Zimmerman,	George	CME Consult	ng/APL Gp, Ci	sco, CommScope, Marve	D'Ambrosi	a, John	Futu	rewei, US Sul	osidiary of I	Huawei
No editing missing e	able 105-2: g instruction fo editing marking	Comment Status D or Table 105-2, g on entry in Nomenclature ro GBASE-T, which is in the mi			Clause Clause	105-2 appears 78 EEE optio 106 mandato	Comment Status incomplete - nal support not indica y use of RS and 25G as PMD, not PCS / PM	ted MII not indicat		<i>Table 105-2</i> f the agenda
SuggestedRe	emedy				Suggestea	IRemedy				
immediat PCS/PMA Add unde	ely below row A at the right h erline to Nome	"Change Table 105-2 adding for 25GBASE-T, and adding nand side as shown (unchang enclature entry for "25GBASE-T wing new row for 25GBASE-T	new column fo ed rows not sh -T1"	r 25GBASE-T1	Clause Clause	e 78 EEE - Opt e 106 - Mandat				
Proposed Rea	sponse	Response Status W			Response		Response Status	w		
PROPOS	ED ACCEPT	IN PRINCIPLE.			ACCE	PT IN PRINCI	νLE.			
	ment #367					GBASE-T1 en 78 EEE - Opt	ry in Table 105-2, ma onal	ke the followi	ng:	
	SC 105.2	P 37	L 6	# 348		e 106 RS - Mar e 106 25GMII -	,			
Brown, Matt		Huawei			Clause	- 100 23Givin -	Optional			
Comment Typ		Comment Status D		EZ	Chang	e title of 165 c	olumn to "25GBASE-1	1 PCS/PMA		
Table too					C/ 105	SC 105.2	P	37	L 8	# 531
SuggestedRe					Ran, Adee)	Cisc	0		
		djust column widths.			Comment	Type E	Comment Status	A		Table 105-2
Proposed Res PROPOS		Response Status W IN PRINCIPLE.			In Tab	le 105-2:				
The Edito	or will attempt	to reduce the size of the table	e. If that does r	ot work, the Editor will	The co	olumn for claus	e 165 should be label	ed "25GBASE	-T1 PCS a	nd PMA".
		o, separating fiber and copper			EEE s	hould be marke	ed "O", RS and 25GM	II should be "I	M" and "O".	
C/ 105 Grow, Robert	SC 105.2	P 37 RMG Conslut	L 6 ing	# 368	Severa active		s are included in this	draft and the h	neading nur	mbers should be made
Comment Typ	be TR	Comment Status D	-	EZ	The co	lumns can be	narrowed to make the	table fit withi	n the marai	ne
As amen	dment 9, the t	able from P802.3cz should b	e used as base		Suggested				n the margi	115.
SuggestedRe	emedy					mment				
00		umn from P802.3cz/D2.2.						•		
Proposed Rea	sponse	Response Status W			Response	PT IN PRINCI	Response Status	C		
	ED ACCEPT				ACCE		LE.			
					See co	omment #451				
		ed ER/editorial required GR/	nonoral roquira	d T/toobnical E/aditorial C/	oporal			C/ 105		Page 22 of 78
				NSE STATUS: O/open W/wi		I I //uneatisfied	7/withdrawn	SC 105		8/19/2022 3:34:41

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 105.2 8/19/2022 3:34:41 PM SORT ORDER: Clause, Subclause, page, line

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 105.2	P 37	L11	# 462	C/ 105 SC 105.2	P 37	L 20	# 620
Lusted, Kent	Intel Corporat	ion		McClellan, Brett	Marvell		
Comment Type TR	Comment Status A		Table 105-2	Comment Type TR	Comment Status A		Table 105-2
Table 105-2 entry "25GBA				missing EEE, RS, 2	25GMII in table		
PMD". This name is misle that PMD is not used at al				SuggestedRemedy			
44-1 in IEEE Std 802.3-20	22 (page 1716) provides a	a column name o	of "RS-FE PCS and 1-	insert 'O' in the EE	E column, 'M' in RS, and 'O' in 2	25GMII	
pair PMA" which is incons	istent with the existing tex	t in 3cy D2.0 Tat	ble 105-2.	Response	Response Status C		
SuggestedRemedy				ACCEPT.			
Change the column title fro		0 "25GBASE-11	I PCS/PMA"	C/ 105 SC 105.2	P37	L 20	# 463
Response F ACCEPT.	Response Status W			Lusted, Kent	Intel Corpora		
AUGEFT.				Comment Type TR	Comment Status A		Table 105-2
C/ 105 SC 105.2	P 37	L11	# 621	Table 105-2 entry	25GBASE-T1" does not include	a row entry for 2	25GMII. The 25GMII
McClellan, Brett	Marvell				nal implemenation for the Physic	cal Layer type. N	lote that 25GMII is
Comment Type E	Comment Status A		Table 105-2	referenced in CI 16		cal Layer type. N	lote that 25GMII is
	Comment Status A		Table 105-2	referenced in Cl 16 SuggestedRemedy	5.1.2 (p40, line 37)	5 51	lote that 25GMII is
Comment Type E 25GBASE-T1 has a PCS/I	Comment Status A		Table 105-2	referenced in Cl 16 <i>SuggestedRemedy</i> Mark the appropriat	5.1.2 (p40, line 37) te box for 25GMII with "O" for O	5 51	lote that 25GMII is
···· //·· =	Comment Status A PMA not a PMD		Table 105-2	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response	5.1.2 (p40, line 37)	5 51	lote that 25GMII is
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F	Comment Status A PMA not a PMD		Table 105-2	referenced in Cl 16 <i>SuggestedRemedy</i> Mark the appropriat	5.1.2 (p40, line 37) te box for 25GMII with "O" for O	5 51	lote that 25GMII is
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA	Comment Status A PMA not a PMD		Table 105-2	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W	5 51	# [461
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F	Comment Status A PMA not a PMD		Table 105-2	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT.	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W	ptional	
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451	Comment Status A PMA not a PMD in the 165 column Response Status C	- 47		referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37	ptional	
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2	Comment Status A PMA not a PMD in the 165 column Response Status C	L17	# [486]	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry "	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A 25GBASE-T1" does not include	ptional L 20 ation ation F	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2 Zimmerman, George	Comment Status A PMA not a PMD in the 165 column Response Status C P37 CME Consulti		# 486 co, CommScope, Marve	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry " RS. The RS is nec	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A	ptional L 20 ation ation F	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2 Zimmerman, George Comment Type T	Comment Status A PMA not a PMD . in the 165 column Response Status C P37 CME Consult Comment Status A	ing/APL Gp, Cise	# [486]	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry " RS. The RS is nec	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A 25GBASE-T1" does not include ressary because the RS adapts	ptional L 20 ation ation F	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2 Zimmerman, George Comment Type T "25GBASE-T1 PMD" - 250	Comment Status A PMA not a PMD . in the 165 column Response Status C P37 CME Consult Comment Status A	ing/APL Gp, Cise	# 486 co, CommScope, Marve	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry " RS. The RS is nec parallel format of th SuggestedRemedy	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A 25GBASE-T1" does not include ressary because the RS adapts	ptional <i>L</i> 20 ation e a row entry for F the bit serial prot	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2 Zimmerman, George Comment Type T "25GBASE-T1 PMD" - 250 SuggestedRemedy	Comment Status A PMA not a PMD . in the 165 column Response Status C P37 CME Consulti Comment Status A GBASE-T1 is a PCS/PMA	ing/APL Gp, Cise not a PMD.	# 486 co, CommScope, Marve	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry " RS. The RS is nec parallel format of th SuggestedRemedy	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A 25GBASE-T1" does not include ressary because the RS adapts re PCS service interface.	ptional <i>L</i> 20 ation e a row entry for F the bit serial prot	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer
Comment Type E 25GBASE-T1 has a PCS/I SuggestedRemedy change PMD to PCS/PMA Response F ACCEPT IN PRINCIPLE. See comment #451 C/ 105 SC 105.2 Zimmerman, George Comment Type T "25GBASE-T1 PMD" - 250 SuggestedRemedy Change "25GBASE-T1 PM	Comment Status A PMA not a PMD . in the 165 column Response Status C P37 CME Consulti Comment Status A GBASE-T1 is a PCS/PMA	ing/APL Gp, Cise not a PMD.	# 486 co, CommScope, Marve	referenced in Cl 16 SuggestedRemedy Mark the appropriat Response ACCEPT. Cl 105 SC 105.2 Lusted, Kent Comment Type TR Table 105-2 entry " RS. The RS is nec parallel format of th SuggestedRemedy Mark the appropriat	5.1.2 (p40, line 37) te box for 25GMII with "O" for O <i>Response Status</i> W <i>P</i> 37 Intel Corpora <i>Comment Status</i> A 25GBASE-T1" does not include ressary because the RS adapts te PCS service interface. te box for RS with "M" for Mand	ptional <i>L</i> 20 ation e a row entry for F the bit serial prot	# <u>461</u> <i>Table 105-2</i> Reconciliation Sublayer

C/ 105 SC 105.2

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C/ 105 SC 105.3	P37	L 24	# 454		C/ 105	SC 105.3	6	P 37	L 26	# 349	
D'Ambrosia, John	Futurewei, US	S Subsidiary of H	uawei		Brown, Ma	tt		Huawei			
Comment Type ER Subclauses 105.3.1	Comment Status D through 105.3.5 are listed with	no changes. Is tl	his the intent?	ΕZ	Comment No cha		Comn 5.3.1 through	nent Status D 105.3.5"			EZ
SuggestedRemedy Delete subclauses 1	05.3.1 through 105.3.5				Suggested Delete	-	r 105.3.1 thro	ough 105.3.5.			
Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.				Proposed PROP	•	Respo. EPT IN PRIN	nse Status W CIPLE.			
See comment #625	and #626. Delete 105.3.1 and 1	05.3.5.			See co	omment #62	5 and #626. D	Delete 105.3.1 and f	105.3.5.		
C/ 105 SC 105.3	P 37	L 25	# 532		C/ 105	SC 105.3	5	P 37	L 26	# 488	
Ran, Adee	Cisco				Zimmerma	an, George		CME Consult	ting/APL Gp, Cis	co, CommScope, M	larve
Comment Type E Why are all the subc	Comment Status D			ΕZ	Comment Heade			nent Status D 5.3.5 are unnecessa	ary		ΕZ
	kt should not be underlined.				Suggested	2	5 3 1 through	105.3.5 and go stra	aight to 105 3 6		
SuggestedRemedy							0	0	aigin to 105.5.0.		
Remove the unneces	ssary ones before 105.3.6				Proposed PROP		Respo. EPT IN PRIN	nse Status W CIPLE.			
Remove the underlin	ne format.				0		F				
Proposed Response	Response Status W							Delete 105.3.1 and r	105.3.5.		
PROPOSED ACCEF	PT IN PRINCIPLE.				C/ 105	SC 105.3	5	P 37	L 26	# 622	
See comment #625	and #626. Delete 105.3.1 and 1	05.3.5.			McClellan,			Marvell			
C/ 105 SC 105.3	P 37	L 26	# 385		Comment it isn't			nent Status D n headers for 105.3	.1 through 105.3	8.5	ΕZ
Marris, Arthur	Cadence Des	ign Systems			Suggested	Remedy					
Comment Type E Unneeded sublclaus	Comment Status D			ΕZ				3.1 through 105.3.5			
SuggestedRemedy Delete 105.3.1 to 10	C C				Proposed I PROP		Respo EPT IN PRINC	nse Status W CIPLE.			
Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE.				See co	omment #62	5 and #626. D	Delete 105.3.1 and 7	105.3.5.		
See comment #625	and #626. Delete 105.3.1 and 1	05.3.5.									

C/ 105 SC 105.3

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•	•		,			0 1			
C/ 105	SC 105.3	P 37	L 40	# 623	C/ 105	SC 105.3.4	P 37	L 33	# 626
McClellan, B	Brett	Marvell			McClellar	n, Brett	Marvell		
Comment Ty this text i		Comment Status A and redundant			Comment add a		Comment Status A e 10GBASE-T1 PMA		
is perforr	Clause 98 Auto- med upon link	-Negotiation may be used by of half-duplex differential Ma		0	n insert full du		HYs use the PMA specified		•
Response ACCEPT	г.	Response Status C			Response ACCE	9 EPT IN PRINCIPL	Response Status C E.		
Cl 105 McClellan, B	SC 105.3.2	P 37 Marvell	L 28	# 625		0 1	change of "Tthe" to "The". I end of 105.3.4 as follows:"	Jse the following e	ditorial note: "Insert a
Comment Ty	vpe E	Comment Status A			Page	line was adjusted	I.		
add a de	escription of the	e 10GBASE-T1 PCS			C/ 105	SC 105.3.6	P37	L 40	# 350
SuggestedRe					Brown, M	att	Huawei		
performs modulati	s encoding of d on and transfe	HYs use the PCS specified in lata from the 25GMII to 64B/6 rrs the symbols to the PMA a	55B RS_FEC cod	le blocks and PAM4	Comment		Comment Status D struction, no underline requ	ired.	EZ
	<i>,</i>	the PMA and transfers the d	ecoded data to th	ne 25GMII." add edito	or oo	dRemedy ove underline.			
Response		Response Status C			Proposed	Response	Response Status W		
ACCEPT	IN PRINCIPL	.E.			PROF	POSED ACCEPT			
		HYs use the PCS specified in			C/ 105	SC 105.3.6	P 37	L 40	# 489
		lata from the 25GMII to 64B/6 rs the symbols to the PMA a			Zimmerm	an, George	CME Const	ulting/APL Gp, Cisc	co, CommScope, Marve
		bols from the PMA and trans			" Comment	Type E	Comment Status D		EZ
_		rial note: "Insert a new parag			Style (note stater	that clause 126 w ment "is optional"	BASE-T1 does not fit the s where 802.3ch edited had a is unnecessary, as the text n the same style as the res	very different style already says AN "	e). Also, the second may be used". The
					Suggeste	dRemedy			
					Repla	ice 2 paragraph e	tion to "Insert new paragrap dit at P37 L40-43 with: used by the 25GBASE-T1		
					Proposed	Response	Response Status W		
					PROF	POSED ACCEPT	•		
	•	ed ER/editorial required GR/			0	d Il/uppotiofied '	C/ ·	105	Page 25 of 78

 ITYPE: IR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 105
 Page 25 of 78

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 105.3.6
 8/19/2022 3:34:41 PM

 SORT ORDER: Clause, Subclause, page, line
 SC
 105
 8/19/2022 3:34:41 PM

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

rows followin edRemedy ace "Editorial ting new rows not shown):" row after th d Response	Comm n is incorrect, pr ng the edit. Il Note: Change vs for 25GBASE the changed row Respon CEPT IN PRINC 70	nent Status D osition of edit needs 105.7 as shown be E-T1 after rows for 2 w in the table. nse Status W CIPLE. P 37 RMG Conslut	s to be after 25G elow." with "Chan 25GBASE-T1 as	# 490 co, CommScope, Marve <i>EZ, Table 105-</i> BASE-T, which would nge Table 105-3 shown (unchanged # 370
nt Type E ng instruction rows followin edRemedy ace "Editorial ting new rows not shown):" row after th d Response POSED ACC comment #37 SC 105.5	Comm n is incorrect, pring the edit. IN Note: Change is for 25GBASE the changed row Respon CEPT IN PRING 70	nent Status D osition of edit needs 105.7 as shown be E-T1 after rows for 2 w in the table. nse Status W CIPLE. P 37 RMG Conslut	s to be after 25G elow." with "Chan 25GBASE-T1 as	<i>EZ, Table 105-</i> BASE-T, which would nge Table 105-3 shown (unchanged
ace "Editorial edRemedy ace "Editorial ting new rows not shown):" row after th d Response IPOSED ACC comment #37 SC 105.4	n is incorrect, pen ng the edit. I Note: Change s for 25GBASE " the changed row <i>Respon</i> CEPT IN PRINC 70	e 105.7 as shown be E-T1 after rows for 2 w in the table. nse Status W CIPLE. P37 RMG Conslut	elow." with "Chan 25GBASE-T1 as <i>L</i> 49	BASE-T, which would nge Table 105-3 shown (unchanged
edRemedy ace "Editorial ting new rows not shown):" row after th d Response IPOSED ACC comment #37 SC 105.9	Il Note: Change //s for 25GBASE " the changed row <i>Respoi</i> CEPT IN PRINC 70	E-T1 after rows for 2 w in the table. <i>Inse Status</i> W CIPLE. <i>P</i> 37 RMG Conslut	25GBASE-T1 as	shown (unchanged
ace "Editorial ting new rows not shown):" row after th d Response POSED ACC comment #37 SC 105.5	is for 25GBASE " the changed row <i>Respor</i> CEPT IN PRINC 70 5 .5	E-T1 after rows for 2 w in the table. <i>Inse Status</i> W CIPLE. <i>P</i> 37 RMG Conslut	25GBASE-T1 as	shown (unchanged
POSED ACC comment #37 SC 105.9	CEPT IN PRING 70 5.5	CIPLE. P37 RMG Conslut		# [370
comment #37 SC 105.8	70 . 5	P37 RMG Conslut		# [370
SC 105.9	.5	RMG Conslut		# 370
obert	-	RMG Conslut		# 370
	R Comm		tina	
t Type ER	R Comm			
		nent Status D		EZ, Table 105-
now calling "i	"illuminati sort o	05.5. I think this ta order", though there 5GBASE-T as far a	appear to be so	to be arranged in what me violations of that
edRemedy rt row into Tab	able 105-3 for 2	5GBASE-T1 after 2	5GBASE-T.	
d Response POSED ACC		nse Status W		
SC 105.	.5	P 37	L 49	# 418
wski, Natalie	9	General Moto	ors	
nt Type E		nent Status D		EZ, Table 105-
	on is not correc	t.		
e 105-3 (as m	Respo	nse Status W		
e 105-3 (as m vn):				
e 105-3 (as m vn): d Response	CEPT IN PRINC			
ste	stedRemedy	stedRemedy eplace the current Editorial No bble 105-3 (as modified by IEE own): sed Response Respon	eplace the current Editorial Note with: Insert a new able 105-3 (as modified by IEEE Std 802.3cz-202: own): sed Response Response Status W ROPOSED ACCEPT IN PRINCIPLE.	stedRemedy eplace the current Editorial Note with: Insert a new row for 25GBAS able 105-3 (as modified by IEEE Std 802.3cz-202x) as follows (unc own): sed Response Response Status W

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Proposed Respons	ses IEEE	P802.3cy D2	2.0 10G+ Auto Task Fo	Force Initial Working Group ballot comments				
Cl 105 SC 105.5 Ran, Adee	P 37 Cisco	L 49	# 533	C/ 105 SC 105.5 Lewis, Jon	P38 Dell Technolo	L1	# 359	
Comment Type E	Comment Status D eems to be an instruction, and to	point to the wro	<i>EZ, Table 105-3</i> ng place.	Comment Type E	Comment Status D s needed for Table 105-3?		EZ, Table 105-3	
SuggestedRemedy Change "Editorial No below".	ote: Change 105.7 as shown be	low" to "Change	Table 105-3 as shown	SuggestedRemedy Please add the approp	priate editing instructions			
Proposed Response PROPOSED ACCEI	Response Status W			Proposed Response PROPOSED ACCEP1	Response Status W			
See comment #370				See comment #370				
C/ 105 SC 105.5 Lewis, Jon	P 37 Dell Technolo	L 49 ogies	# 356	C/ 105 SC 105.5 Wienckowski, Natalie Comment Type E	P 38 General Moto <i>Comment Status</i> D	L 6 ors	# 419 <i>EZ</i>	
Comment Type E Editorial Note is sep SuggestedRemedy	Comment Status D arated from 105.7.		EZ	SuggestedRemedy Merge cells in row with	n elipses.			
If possible, please tr Proposed Response PROPOSED ACCE	y to move the Editorial Note clo <i>Response Status</i> W PT.	ser to 105.7		Proposed Response PROPOSED ACCEPT	Response Status W			
C/ 105 SC 105.5	P 37	L 50	# 500					
Huber, Thomas	Nokia							
	Comment Status D should be replaced with an editing	ng instruction to	<i>EZ, Table 105-3</i> modify Table 105-3					
SuggestedRemedy								

Add an editing instruction to insert new rows at the end of Table 105-3 as shown.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See comment #370

C/ 105 SC 105.5

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105	SC 105.5	P 38	L 7	# 534
Ran, Adee		Cisco		
Comment Ty	rpe T	Comment Status A		Table 105-3, L

It is unclear what the expressions "L=1" etc. mean in this table.

In the table in the base document, the "Notes" column includes references to the subclause within the PHY clause that specifies this delay. In this case, it should be "See 165.10"

Looking at 165.10, there are different maximum delay specifications depending on the "Interleave" parameter. Interleaving (or "L") is negotiated between the link partners and may be different in either direction, so is unknown in advance for a given device.

The purpose of this table (per the text preceding it: "network planners and administrators conform to constraints regarding the cable topology and concatenation of devices... Table 105–3 contains the values of maximum sublayer delay (sum of transmit and receive delays at one end of the link".

Therefore it seems adequate to list here only the maximum delay of the PHY, which happens with L=8. The text in 165.10 can include further details about how the delay can be lower in some cases.

SuggestedRemedy

Use only one row for "25GBASE-T1 PHY", with the data for L=8, and point to 165.10 in the "Notes" column, consistent with the other rows.

Response Response Status C

ACCEPT IN PRINCIPLE.

Comment was re-classified as T

Change L=1 to "no interleave, see 165.10" Change L=2 to "2x interleave, see 165.10" Change L=4 to "4x interleave, see 165.10" Change L=8 to "8x interleave, see 165.10"

This change brings the table closer to format of table 44-2 for T1 PMDs.

C/ 105 SC	C 105.5	P 38	L 8	# 627
McClellan, Bret	t	Marvell		
Comment Type	ER	Comment Status A		Table 105-3, L

L' isn't defined anywhere in Clause 105 and makes the note confusing. Follow the example for 10GBASE-T1 in Clause 44

SuggestedRemedy

break the 25GBASE-T box into 4 lines with these labels: '25GBASE-T1 no interleave', '25GBASE-T1 2x interleave', '25GBASE-T1 4x interleave', '25GBASE-T1 8x interleave'. Replace the 'L=' notes in each row with 'See 165.10'

Response Response Status C

ACCEPT IN PRINCIPLE.

See	comment #534	
-----	--------------	--

C/ 105	SC 105.5	P 38	L16	# 628
McClellan	, Brett	Marvell		
Comment	Type E	Comment Status D		EZ
missir	ng note d from b	base standard		

SuggestedRemedy

insert "dCumulative round-trip delay contributed by up to four PMA stages in a PHY."

Proposed Response Response Status W PROPOSED REJECT.

Note is not currently in use in snippet of Table 105-3 used in the draft

C/ 105	SC	105.7	P 38	L18	# 501
Huber, Th	omas		Nokia		
Comment	Туре	Е	Comment Status D		<i>EZ, 105.7</i>
Missin	g an e	diting ins	truction to modify clause 105.7		

SuggestedRemedy

Add an editing instruction to modify the first paragraph of 105.7 as shown.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

See comment #491

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general	C/ 105	Page 28 of 78
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 105.7	8/19/2022 3:34:41 PM
SORT ORDER: Clause, Subclause, page, line			

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 105 SC 105.7	P 38	L 19	# 491	C/ 105 SC 105.7	P 38	L 45	# 629
Zimmerman, George	CME Consult	ing/APL Gp, Cis	co, CommScope, Marve	McClellan, Brett	Marvell		
Comment Type E	Comment Status D		<i>EZ, 105.7</i>	Comment Type E	Comment Status D		EZ, 105.7
There is no subclause	e 105.7 in the base standard, a	and no edits to it	in this draft.	this subclause is miss	ing editor's instructions for su	bclause 105.7	
SuggestedRemedy				SuggestedRemedy			
Delete subclause 105	.7, P38 L19-25			add editor's instructior	n as needed		
Proposed Response PROPOSED ACCEP	Response Status W T.			Proposed Response PROPOSED ACCEPT	Response Status W		
C/ 105 SC 105.7	P 38	L 20	# 535	See comment #491			
Ran, Adee	Cisco			C/ 105 SC 105.7	P 39	L1	# 420
Comment Type E	Comment Status D		EZ	Wienckowski, Natalie	General Moto	ors	
Editorial instruction is	missing.			Comment Type E	Comment Status D		EZ
SuggestedRemedy							
Add an appropriate in	struction.			SuggestedRemedy			
Proposed Response	Response Status W			remove blank page			
PROPOSED ACCEP	T IN PRINCIPLE.			Proposed Response	Response Status W		
See comment #491				PROPOSED ACCEPT	г.		
C/ 105 SC 105.7	P 38	L 20	# 352	C/ 149B SC 149B	P148	L15	# 631
Brown, Matt	Huawei			McClellan, Brett	Marvell		
Comment Type ER	Comment Status D		EZ	Comment Type E	Comment Status D		EZ
Missing editorial instru	uction.				1' may be too general here if	new PHYs are lat	ter specified that don't
SuggestedRemedy				conform to this subcla	use		
Add editorial instruction	on.			SuggestedRemedy			
Proposed Response	Response Status W			•	T1' with 'Clause 149 and Clau	ISE 165	
PROPOSED ACCEP	T IN PRINCIPLE.			Proposed Response PROPOSED ACCEP1	Response Status W		
See comment #491							

C/ 149B SC 149B

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 165	SC 165.1	P 40	L 10	# 393
Akin, Sami		VW AG		
Comment T	уре Е	Comment Status D		EZ
		the paragraph, we have ' PMA) sublayers'. The 'sublay		
S <i>uggestedF</i> We sho sublaye	ould have ' as	well as the 25GBASE-T1 P	hysical Medium A	Attachment (PMA)
Proposed R PROPC	Response DSED ACCEPT	Response Status W		
C/ 165	SC 165.1	P 40	L14	# 536
Ran, Adee		Cisco		
Comment T	vpe E	Comment Status D		EZ, PHYs
"The 2.4 three di	5GBASE-T1, 50 ifferent PHYs. E	BASE-T1 PHYs" seems to be GBASE-T1, and 10GBASE- But here only one PHY is spe-	T1 PHYs", becaus ecified, and is late	se that clause specifies
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. urtifacts of this in perate" should b Remedy	GBASE-T1, and 10GBASE- But here only one PHY is spe- ird paragraph "a 25GBASE- instances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of ity" and change plural to sing	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. Intifacts of this in perate" should b Remedy PHYs" to "PH ere where appro	GBASE-T1, and 10GBASE- But here only one PHY is spe- ird paragraph "a 25GBASE- instances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of ity" and change plural to sing	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe Proposed R	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. Intifacts of this in perate" should the Remedy PHYs" to "PH ere where appro- Response	GBASE-T1, and 10GBASE- But here only one PHY is spe- ind paragraph "a 25GBASE- nstances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of the and change plural to sing opriate.	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe Proposed R PROPC	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. Intifacts of this in perate" should the Remedy PHYs" to "PH ere where appro- Response	GBASE-T1, and 10GBASE- But here only one PHY is spo- nird paragraph "a 25GBASE- nstances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of the change plural to sing opriate. Response Status W	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe Proposed R PROPC	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. urtifacts of this in berate" should b Remedy e "PHYs" to "PH ere where appro Response DSED ACCEPT	GBASE-T1, and 10GBASE- But here only one PHY is spo- nird paragraph "a 25GBASE- nstances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of the change plural to sing opriate. Response Status W	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe Proposed R PROPC	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. urtifacts of this in berate" should b Remedy e "PHYs" to "PH ere where appro Response DSED ACCEPT	GBASE-T1, and 10GBASE- But here only one PHY is spo- nird paragraph "a 25GBASE- nstances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of the change plural to sing opriate. Response Status W	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY
"The 2.4 three di singular Similarl and ma Other a each op SuggestedF Change elsewhe Proposed R PROPC	5GBASE-T1, 50 ifferent PHYs. E re, e.g. in the th y in two other in ybe elsewhere. urtifacts of this in berate" should b Remedy e "PHYs" to "PH ere where appro Response DSED ACCEPT	GBASE-T1, and 10GBASE- But here only one PHY is spo- nird paragraph "a 25GBASE- nstances in this paragraph, a pheritance seem to exist, e.g be "The 25GBASE-T1 PHY of the change plural to sing opriate. Response Status W	T1 PHYs", because ecified, and is late T1 PHY". and also in the firs g. in 165.1.3 "The operates".	se that clause specifies er referred to in st sentence in 165.1.2 25GBASE-T1 PHY

C/ 165 S	SC 165.1	P 40	L14	# 511
Grow, Robert		RMG Conslutir	ng	
Comment Typ	e E	Comment Status D		EZ, PHYs

Comment Status D

Though similar problems exist in many clauses in 802.3, I think in many cases using plural "PHYs" in this clause is wrong. There is one 25GBASE-T1 PHY specification and most of the time text is addressing the 25GBASE-T1 PHY specification, not multiple instances of a 25GBASE-T1 interface on a networked device, or various 25GBASE-T1 PHY implementations. Grammar problems left after deleting 50 Gb/s and 100 Gb/s highlight this, for example on line 17, "the 25GBASE-T1 PHYs" where "the" and "PHYs" would have been appropriate for a list of multiple rates, but is not for a single rate.

gestedRemedy

Search on "PHYs" and correct grammar as appropriate (e.g., "the 25GBASE-T1 PHY" or "a 25GBASE-T1 PHY", etc.) Including: p.41, l. 25; p, 42, l, 6; p. 95, l. 37; p. 109, l. 28, 29; p. 161, l. 33.

posed Response Response Status W

PROPOSED ACCEPT.

C/ 165	SC 165.1	P4	0 L 23	# 664
Zimmerman	, George	CME	Consulting/APL Gp	o, Cisco, CommScope, Marve
Comment Ty	vpe E	Comment Status	D	EZ

Clause 78 is in the draft - should be an active cross-ref, not external.

gestedRemedy

Change "Clause 78" to an active cross reference and remove external tag.

posed Response Response Status W

PROPOSED ACCEPT.

C/ 165	SC 165.1.1	P 40	L 24	# 422
Wienckow	vski, Natalie	General Motors		
Comment Claus	<i>Type</i> E e 78 is in the dra	Comment Status D		EZ
Suggested	dRemedy			
	ge "Clause 78" to on P42L5	b black and make it a hyperlink.		

posed Response Response Status W

PROPOSED ACCEPT.

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Marris, Arthur Comment Type E Com	Cadence Des		# 389			SC 165.1.2		L37	# 421	
Comment Type E Com		ign Systems			Wienckow	/ski, Natalie	General Mot	ors		
Inconsistent capilization of "this	nment Status D s Clause"			ΕZ	Comment Clause	<i>Type</i> E e 98 is in the dr	Comment Status D			EZ
SuggestedRemedy					Suggested					
Compare the capitalisation of c consitant		28. Choose a sty	le for this and ma	ake it	Also o	, n P41L42, P41	to black and make it a hyperlir L46, P41L52, P49L5, P96L46 P37L40, P37L43		.40, P117L44, P13	31L6,
Proposed Response Resp PROPOSED ACCEPT.	onse Status W				Proposed		Response Status W			
C/ 165 SC 165.1.2	P 40	L 35	# 636		C/ 165	SC 165.1.2	P 40	L 37	# 390	
McClellan, Brett	Marvell			C7	Marris, Art		-	sign Systems		
Comment Type E Com indicate that Auto-Negotiation i	<i>iment Status</i> D is optional			ΕZ	Comment	Туре Е	Comment Status D	eign eyeteine		EZ
SuggestedRemedy					Clause					
Insert 'Optional' before Auto-Ne	egotiation				Suggested					
Proposed Response Response Response	onse Status W				Scrub	the document a	oss reference. Also page 41 lin and make Clause 45, Clause ather than an external.			ine 5.
C/ 165 SC 165.1.2	P 40	L37	# 665		Proposed	,	Response Status W			
Zimmerman, George	CME Consult	ing/APL Gp, Cisc	o, CommScope,	Marve	PROP	OSED ACCEP	1.			
Comment Type E Com	nment Status D			ΕZ	C/ 165	SC 165.1.3	P 41	L 30	# 512	
Clause 98 is in the draft - shou	ld be an active cross-	ref, not external.			Grow, Rob	pert	RMG Conslu	iting		
SuggestedRemedy					Comment	Туре Е	Comment Status D		multi-p	air, Ez
Change "Clause 98" to an activ	ve cross reference an	d remove externa	al tag.		Gramr	mar problem an	d other aritifacts left after dele	eting 50 Gb/s and	100 Gb/s.	
Proposed Response Resp	onse Status W				Suggested	dRemedy				
PROPOSED ACCEPT.					balanc		operates using full-duplex con luctors with an effective rate o ents			
					Proposed	Response	Response Status W			
					PROP	OSED ACCEP	T IN PRINCIPLE.			
					See co	omments #391	and #448			

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

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Proposed Responses	IEEE	P802.3cy D2	2.0 10G+ Auto Task F
C/ 165 SC 165.1.3	P41	L 30	# 448
Carlson, Steve	HSD, Bosch,	Ethernovia	
Comment Type E	Comment Status D		multi-pair, EZ
Leftover reference to two	o and four pairs: "over one,	two, or four shie	lded"
SuggestedRemedy			
Delete "two or four" from	the sentence		
Proposed Response	Response Status W		
PROPOSED ACCEPT.			
C/ 165 SC 165.1.3	P 41	L 30	# 394
Akin, Sami	VW AG		
Comment Type ER	Comment Status D		multi-pair, EZ
of this comment as edito	licate only one shielded bala prial, I am not fully sure if thi		
over one shielded balan	5GBASE-T1 PHY each oper ced pair of conductors with while meeting the requirem	an effective rate	of 25 Gb/s in each
Proposed Response	Response Status W		
PROPOSED ACCEPT I			
See comments #391 an	d #448		
C/ 165 SC 165.1.3	P 41	L 30	# 391
Marris, Arthur	Cadence Des	ign Systems	
Comment Type E	Comment Status D		multi-pair, EZ
Change "each operate"	to "operates"		
SuggestedRemedy			
	ising full-duplex communica tors" to "operates using full- tors"		
Proposed Response PROPOSED ACCEPT.	Response Status W		

C/ 165 SC 1	65.1.3	P 4 ′	1	L 30	#	666	
Zimmerman, Geo	rge	CME	Consulting/Al	PL Gp, Cisco, (Comm	Scope, Marve	-
Comment Type	т	Comment Status	D			multi-pair, EZ	

"The 25GBASE-T1 PHY each operate...over one, two, or four shielded... on each pair..." didn't get cleaned up when we deleted the 2 and 4 lane 50GBASE-T2 and 100GBASE-T4

SuggestedRemedy

change the first sentence of the first paragraph of 165.1.3 to:"The 25GBASE-T1 PHY operates using full-duplex communications over a single shielded balanced pair of conductors with an effective rate of 25 Gb/s in each direction simultaneously while meeting the requirements (EMC, temperature, etc.) of automotive environments."

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

See comments #391 and #448

C/ 165 S	SC 165.1.3	P 41	L 30	# 537
Ran, Adee		Cisco		
Comment Type	e E	Comment Status D		multi-pair, EZ

"using full-duplex communications over one, two, or four shielded balanced pair of conductors with an effective rate of 25 Gb/s on each pair in each direction simultaneously"

I thought this is a single pair PHY at 25 Gb/s total?

SuggestedRemedy

Rewrite as necessary

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

See comments #391 and #448

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

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	<i>multi-pair, E</i> . The first sentence of the
	The first sentence of the
50 Gb/s of 100 G.	
	00 Gb/s by allowing for 2 or 4
uctors with an eff	an effective rate of 25 Gb/s on
n effective rate of	ate of 25 Gb/s in each
L 35	5 # 637
	E
L 35	5 # 423
otors	
	E

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C/ 165	SC 165.1.3	P 41	L35	# 514		C/ 165	SC 16	5.1.3	P 41	L 36	# 638
Grow, Rol	pert	RMG Consluti	ing			McClellan	, Brett		Marvell		
Comment	Туре Е	Comment Status D			ΕZ	Comment	Туре 1	ſR	Comment Status A		
There	is only one Baud	rate listed, "rates" should be	singular.			TX_D,	TX_EN a	nd TX_I	ER are not 25GMII signals. I	Note that Clause	149 has the same
Suggested	Remedy					error.					
"at a 1	4.0625 GBd rate					Suggestee					
Proposed	Response	Response Status W				chang	e '25GMII	TX_D, ⁻	TX_EN, and TX_ER' to '25G	MII TXD and TX	:C'
PROP	OSED ACCEPT.	,				Response ACCE			Response Status C		
C/ 165	SC 165.1.3	P 41	L 35	# 513		C/ 165	SC 16	512	P41	L37	# 538
Grow, Rob	pert	RMG Consluti	ing					5.1.5		L 31	# 536
Comment	Type E	Comment Status D				Ran, Adee Comment		_	Cisco Comment Status A		
10GB/ Suggested p. 41, p. 42, p. 44, p. 151 p. 50, p. 107 p. 113 p. 144 Proposed	ASE-X, Clause 1 <i>Remedy</i> I. 35 - 14.0625 G I. 17 - 14.0625 G I. 5 - 14.0625 GE , I. 4 - 14.0625 GE I. 21 - 14.0625 M , I. 38 - 0.878 906 , I. 37 - 14.0625 (, I. 34 - 14.0625 (<i>Response</i>	Bd d Bd Hz 3 25 GHz GHz			IS.	Since (super higher The pe to som MAC f 92.1). The su	this PHY ()frame is than the erformanc ne BER if rame loss uggested r d, but not	discarde 1e-12 st e of this RS-FEC ratio (F remedy	S-FEC, the concept of BER i ed, all bits are replaced with ated here. PHY is defined by the rfer t was not used. The method LR). The FLR equivalent of uses FLR. Alternatively, "pe BER".	error bits, so the arget, which can used in other PI BER=1e-12 is 6	BER can be much be stated as eqivalent HYs is comparision of .2e-10 (see for example
PROP	OSED REJECT.						, le loss rati		bit error ratio (BER) of less t equivalent to a bit error ration		
Reaso	n. Proposed cha	nge introduces potential edito	orial problems (t	here is a nonbreaki	na	Response			Response Status C		
space clause	, but no nonbreal	ing "." that I know of) and do lated to this clause - clause (es not align with	the multigigabit	0	ACCE	PT.				

C/ 165 SC 165.1.3

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C/ 165	SC 165.1.3	P 42	L 6	# 667	C/ 165	SC 165.1.3.1	P 42	L35	# 340				
Zimmerma	n, George	CME Consult	ting/APL Gp, Cis	co, CommScope, Marve	Gorshe, Steve Microchip Technology								
power o someth	EE capability is a mec	mment Status A hanism by which 25GE eriods of low link utiliza time discussing - name TION.	tion." this doesn	't really describe	that th	arase "RS-FEC (9 e FEC symbol siz 0)" using the 10-	Comment Status D 936, 846, 2^{10} " appears to b ze is $2^{10} = 1024$ bits. It app bit symbol size of KR-4 and K	ears that it shou	uld be "RS-FEC (936,				
Suggestedl	Remedy				00		ct, this should be changed to	RS-FEC (936,	846, 10)				
add "in <i>Response</i> ACCEF	Res	direction of the link" to sponse Status C	the end of the s	entence.	Proposed		Response Status W						
C/ 165	SC 165.1.3.1	P 42	L 28	# 539		<i></i>							
Ran, Adee		Cisco			replace	e "(936,846,2^10)" with "(936,846) over GF(2^	10)"					
	t in this subclause sp	<i>mment Status</i> A ecifies what happens " thing about the receive			C/ 165 Wienckow Comment	SC 165.1.3.3 ski, Natalie <i>Type</i> E	P 44 General Motor Comment Status D	L 22 rs	# 424				
Specifically, the number L is used as part of the specification; it is not stated here how L is determined, but in 165.3.2.2 (PCS Transmit function) it is written that "The interleaver settings requested in each direction of transmission may be different signaled during the PAM2 training mode Infofield exchange". This means L can be different in the receive and transmit directions; this should be noted here (any preferably notation should be used to clarify that there are two simultaneous values of L). A reference to the definition and content of the infofield (in 165.4.2.4.5) would also be					78.3 is in the draft. SuggestedRemedy Change "78.3" to black and make it a hyperlink. Proposed Response Response Status W PROPOSED ACCEPT.								
helpful.		and content of the mor	ieia (in 165.4.2.4	4.5) Would also be	C/ 165	SC 165.1.6	P 45	L 32	# 540				
Suggestedl	Remedy				Ran, Adee		Cisco						
Rewrite	e as necessary				Comment		Comment Status D						
Response ACCEF	<i>Res</i> PT IN PRINCIPLE.	sponse Status C			165.3.	7.1 which also lis	here are mainly for state diag sts state diagram conventions nore helpful to the reader.	rams. There is , and is located	another subclause right before the state				
Change	e				SuggestedRemedy Move the content of this subclause to 165.3.7.1, merging as necessary.								
"A num	ber, L, of these"				Proposed		Response Status W	ging as neees	ary.				
to					•	OSED REJECT.							
	ber, L (see 165.3.2.2.	15) of these"			165.3.	7.1 covers just st anges needed. T	ate diagram conventions, wh	ile 165.1.6 is m	ore generic in nature				

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
 165

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 165.1.6

 SORT ORDER: Clause, Subclause, page, line
 SC
 165.1.6
 SC

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ΕZ

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C/ 165	SC 10	5.2.2	P 47	L 6		# 541		C/ 165	SC	165.2.2.	3.3	P 50	L 4	# 668		
Ran, Adee			Cisco					Zimmerma	ın, Geo	orge		CME Consul	ting/APL Gp, Cis	sco, CommScope	e, Marve	
Comment T	уре	т	Comment Status	D			L	Comment	Туре	Е	Comme	nt Status D			EZ	
training encodir Since a	- which ng. Ill inform	is a PM	choice of precoding a A function. These value chage from the PMA the primitive should in	ues have to be pa to the PCS is defi	assed to the	e PCS for corre		signals referer (Claus specifi	corre ice poi e 149) ed in 1	sponding ints to the . The ele 65.5.3	to the indicate transmitter	ated symbols pro electrical specifie	cessed to confo cations for 2.5G/	its on the MDI the rm to 149.5.2." T /5G/10GBASE-T1 different timing an	⁻ he 1	
								Suggested		•	onco of 140	5.2 to an active of	roop reference i	165 F 2		
			ndication could be exp					0					ross-reference i	0 105.5.3		
suspect it may not be straightforward, since the existing content (master or slave) is available before training starts, but the values of L and precoding are determined only later.								Proposed Response Response Status W PROPOSED ACCEPT.								
SuggestedF Add a p		as desci	ribed in the comment	, in the text and fi	gures as n	ecessary.		C/ 165	SC	165.2.2.	9.1	P 52	L 38	# 669		
Proposed Response Response Status W							Zimmerma	ın, Geo	orge		CME Consul	ting/APL Gp, Cis	sco, CommScope	e, Marve		
	, DSED R							Comment	Туре	E	Comme	nt Status D	0		EZ	
No spec		nges we	re proposed. 3 <i>P</i> 50	L3		# 656		The allowed values of pcs_data_mode are missing. (this happens in other clauses, but is done correctly in clause 113). From the state diagram, it is clear that the allowed values are TRUE and FALSE. SuggestedRemedy								
Wu, Peter			Marvel	I						•						
	eceipt of		Comment Status nitive the PMA transm rocessed to conform	- nits on the MDI th			EZ D	The po TRUE	s_data PHY is	a_mode p s in state	PCS_Data (27)	o values of the fo	orm:	
Suggested	Remedy							Proposed	Respoi	nse	Respons	e Status W				
the indi Proposed R	cated sy	mbols p Ə	nitive, the PMA trans rocessed to conform <i>Response Status</i>	to 149.5.2.	he signals	corresponding	to	PROP	OSED	ACCEPT	г.					
C/ 165	SC 1	5.2.2.3.	3 P 50	L 4		# 603										
McClellan,	Brett		Marvel	I												
Comment T incorrec	<i>ype</i> t refere	E nce	Comment Status	D			EZ									
SuggestedF change	-	to 165.5	5.3													
Proposed R	Respons)	Response Status	w												

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

C/ 165 SC 165.2.2.9.1

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C/ 165 SC 165.3.2	P 54	L 28	# 670	C/ 165	SC 165.3.2	P58	L11	# 467
Zimmerman, George			co, CommScope, Marve	Tu, Mike	00 103.3.2	Broadcom	<u>-</u> 11	# 407
, 0				,	Τνρο ΤΡ			E7
operating functions. The this has been copied fro 97). The automotive cla 4. SuggestedRemedy change ""The PCS comp asynchronous operating	Comment Status D e PCS Reset function and tr PCS operating functions ar m clause to clause, but isn't uses add a 3rd function to t prises one PCS Reset funct functions. " to ""The PCS c synchronous operating funct Response Status W	re: PCS Transmi true for clause he PCS - the PC ion and two sime omprises one Po	it and PCS Receive." - 165 (or 149 or even CS OAM. see figure 165- ultaneous and CS Reset function and	Suggested Chang the list 1. Pag 2. Pag 3. Pag 4. Pag 5. Pag 6. Pag 7. Pag 8. Pag 9. Pag 9. Pag 10. Pag	Antrol codes for N Remedy e all references below: e 58, line 11, Fig e 59, line 10, Fig e 61, line 10. e 61, line 10. e 61, line 10. e 70, line 2. e 70, line 2. e 70, line 3. e 79, line 25. e 79, line 26. e 80, line 9. ge 80, line 11.			
Wu, Peter Comment Type E alert_detect should also	Marvell Comment Status D be added to the note		EZ	Proposed I	ge 132, line 43. <i>Response</i> OSED ACCEPT	Response Status W		
SuggestedRemedy				C/ 165	SC 165.3.2.2	P 56	L 2	# 671
	nd tx_lpi_active are only req ert_detect, rx_lpi_active and			Zimmerma Comment		CME Consult Comment Status D	ing/APL Gp, Cis	sco, CommScope, Marve
Proposed Response PROPOSED ACCEPT.	Response Status W			state tr the EE Flgure: duplica Suggested	ransitions in the E capability." is s 165-16 and 16 ative. <i>IRemedy</i> e "that shall be r	Figure 165–16 and Figure 16 transmit process state diagra a duplicate 'shall' with the pre 5-17. It also does not have a eported" to "that are reported <i>Response Status</i> W	am that shall be evious requirem a PICS entry, cc	supported by PHYs with ent to conform to

Changes per text + update PICS as needed.

C/ 165 SC 165.3.2.2

•	-						-	•			
C/ 165	SC 165.3.2.2	P 56	L13	# 542		C/ 165	SC 165.3.2	. 2 P	56	L 20	# 543
Ran, Ade	e	Cisco				Ran, Adee	•	Cise	00		
comment	туре т	Comment Status D			L	Comment	Туре Т	Comment Statu	s D		
The te	erm L is used in th	ne text here without explanat	ion of what it de	notes.		"The s	ymbol period,	T, is 1000 / 14.0625 p	os"		
	has to read to the mined.	bottom of this subclause to u	understand what	L means and how i	t is			ery friendly for the re later it is found that th			5 seems to come out o 5 GBd).
uggeste	dRemedy					The re	tio ovoluotoo ta	o 71 + 1/9 ps, and thi	- numbor	con he used inst	lood ainco it is
		introduce the concept of inte		finition of L and how	ı it is		sed as ratio ar		Shumber	can be used insi	
'	Response	Response Status W						e the nominal period, but I assume it is pe			ency deviation (which
PROF	POSED REJECT.					Suggested	Remedy				
No sp	becific changes we	ere proposed				Chang "71.11		ormatted using equati	on editor	to format the cor	nmon fraction. Or use
						Add "n	ominal".				
						Proposed	Response	Response Status	s W		
						PROP	OSED ACCEP	T IN PRINCIPLE.			
						=====	=				
						and th the ori the exi	e term "symbo ginal) specify t	period" is used else	where in t Juency in	the PCS text. Ad 2 places. A bette	nich isn't well defined, Iditionally, this text (an er solution references after the reference,
						to:	ymbol period, ⁻ symbol period,	T, is 1000 / 14.0625 p T, is one period of th		itter clock frequer	ncy, specified in

C/ 165 SC 165.3.2.2

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C/ 165	SC 165.3.2.2	P 56	L 20	# 724	C/ 165
Jonsson,	Ragnar	Marvell			Wu, Pete
Comment	Type E	Comment Status D		post-deadline, EZ	Commen
The n	notation "1000 / 14	.0625 ps" can be confu	ising, even if it is no	t ambiguous.	Wha
Suggeste	dRemedy				Suggeste
Chan	ge "1000 / 14.062	5 ps" to "(1000 / 14.062	25) ps"		After
Proposed	Response	Response Status W	I		trans
	, POSED ACCEPT I				mode of the
0					Proposed
See c	comment #543				, PRO
C/ 165	SC 165.3.2.2	P 56	L37	# 672	-
Zimmerm	ian, George	CME Co	onsulting/APL Gp, C	sico, CommScope, Marve	Char
Comment	Type E	Comment Status D		EZ	After
"the F	PCS Transmit func	tion shall use a 65B co	ding technique to g	enerate, at each symbol	trans
		t represent data or con			mod
				loes not happen "at each	of th
symb	ol period". The ad	lded incorrect phrase d	oes not seem to ad	d any value.	
Suggeste	dRemedy				
	e ", at each symbo update PICS PCT	l period," 7 Feature text (P132 L:	38) deleting the san	ne text	
Proposed	Response	Response Status W	1		
PROF	POSED ACCEPT.				
C/ 165	SC 165.3.2.2	P 56	L 41	# 341	
Gorshe, S	Steve	Microch	ip Technology		
Comment	Type ER	Comment Status D			
Here	and other places,	the term "9360-bit (936	, 846) RS-FEC fran	nes" is used. This	
termir	nology is incorrect		with typical termino	ology. The 9360-bit entity	
Suggeste	dRemedy				
	instances where th anged to FEC "cod		erred to as an FEC	"frame" the term should	
Proposed	Response	Response Status W	I		
		•			

PROPOSED ACCEPT.

C/ 165	SC 165.3.2.2	P 57	L 2	# 658
Wu, Peter		Marvell		
Comment Ty	pe E	Comment Status D		EZ

What does "RS" mean here? Reconciliation SUblayer or Reed-Soloman Frames

SuggestedRemedy

After reaching the normal mode of operation, EEE-capable PHYs may enter the LPI transmit mode under the control of the RS via the 25GMII-> "After reaching the normal mode of operation, EEE-capable PHYs may enter the LPI transmit mode under the control of the Reconciliation sublayer via the 25GMII."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Changed capitalization of "sublayer"

After reaching the normal mode of operation, EEE-capable PHYs may enter the LPI transmit mode under the control of the RS via the 25GMII-> "After reaching the normal mode of operation, EEE-capable PHYs may enter the LPI transmit mode under the control of the Reconciliation Sublayer via the 25GMII."

C/ 165 SC 165.3.2.2

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

CI 165	SC 165.3.2.2.	1 P 57	L 35	# 544	C/ 165	SC 165.3	.2.2.4	P 59	L 44	# 673
Ran, Adee		Cisco			Zimmerm	an, George		CME Consul	ting/APL Gp, C	cisco, CommScope, Marve
Comment T	уре Е	Comment Status D			Comment	Туре Е	Comr	nent Status A		165.3.2.2.4 - 165.3.2.2.12
Note tha 10-bit O	at the RS-FEC e AM its block siz	used in the text; is there ncoding is not related to e is not an integer mutipl	the PCS's 65-bit bl e of 65.	·	throug Sugge carefu PICS.	h 165.3.2.2.1 st referencin	2 are identic g clause 149	al to clause 149. T for the whole thing	his is as it sho In the sugges	eems that 165.3.2.2.4 uld be, but is redundant. sted remedy I have been ement to reference in the
own.	used as part of th	ne 64B/65B encoding sch	ieme name but sho	buid not be used on its	Suggeste	-			- 201-	
SuggestedR	Remedy					e 165.3.2.2.4 2.2.4 Block st		3.2.2.12. Replace	with:	
Use "65	5-bit" consistently	, and remove the "65B"	abel from the RS-I	EC name.	The 6	5-bit block str	ucture specif	fied in 149.3.2.24 is	used by 25GE	BASE-T1, with the block
Proposed R	Response	Response Status W				t shown in Fig 2.5 Control c				
PROPO	SED ACCEPT I	N PRINCIPLE.						ers is used to map t	he 25GMII and	25GBASE-T1 PCS is as
See cor	mment #673				specif contro	ied for MultiG	BASE-T1 PH that do not a	HYs in in 149.3.2.2.	5 and shown in	Table 149-2. All 25GMII insmitted and shall be
=====					165.2	2.6 Ordered	sets	pecified for the Mult		
goes aw changin BASE-T 81B in c the bloc Change go arour this, cha inserting Receive	way entirely. The ng that would cha r1 clauses don't clause 97) becau cking - and to dis e: Consider this a this change (it re ind changing all ange "The Trans g the resulting in e PCS performs	nment 673 is accepted (a proposed change takes inge MANY instances of just use RS-FEC frame a ise the frame isn't just ab tinguish it from the Claus fter comment 673. If Con- emoves the statement of the '65B RS-FEC' instant mit PCS maps 25GMII s to a 65B RS-FEC frame the reverse operations."	a single instance of 65B RS-FEC fram- and instead use 65 yout the RS-FEC co- se 91 RS-FEC suble mment 673 is resole yjected to - and her ces). If comment 6 gnals using a 64B, for 65B RS-FEC co-	of 65-bit and rather that e (or encoding). The B RS-FEC frame (or ode, but is also about ayer. ved as proposed, it will ace there is no reason 673 does not obviate (65B encoding, and oding scheme. The	In Idle co 165.2 Low F 149.3 165.2 Start o 165.2 to Termi 165.2 Order 165.2 Order 165.2 Error R_BL	2.8 LPI (/LI/) ower Idle cor 2.2.8. 2.9 Start (/S/ control charace 2.10 Termina nate control c 2.11 Orderece ed set control 2.12 Error (/E characters an OCK_TYPE a	trol character ters are as s tte (/T/) haracters ard set (/O/) characters s characters s characters s	ers shall be as speci specified for MultiGE e as specified for M	ified for MultiG BASE-T1 PHYs ultiGBASE-T1 r MultiGBASE- 1 PHYs in 149	s in 149.3.2.2.9. PHYs in 149.3.2.2.10. T1 PHYs in 149.3.2.2.11. 9.3.2.2.12. See
C/ 165	SC 165.3.2.2.		L 51	# 640		ation."	_	_		
McClellan, E		Marvell			Response			nse Status C		
SuggestedR	disconnected fro Remedy	Comment Status D om subclause text re 156-6 to be contiguous	s with subclause te			PT IN PRINC		PICS.		
Proposed R	Ŭ	Response Status W								

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

C/ 165 SC 165.3.2.2.4 Page 40 of 78 8/19/2022 3:34:41 PM

C/ 165 SC 165.3.2.2	.4 P 59	L 45	# 426	C/ 165	SC 16	5.3.2.2.5	P 61	L10	# 639
Wienckowski, Natalie	General Motors	6		McClellan,	Brett		Marvell		
Comment Type T	Comment Status A		165.3.2.2.4 - 165.3.2.2.12	Comment		_	Comment Status D		EZ, Table 149-
The Block structure is	identical to the MultiGBASE-T1	Block Stru	cture in Clause 49.	incorre	ect referen	nce to Tal	ble 149-1, should be Table 1	49-2	
SuggestedRemedy				Suggested	Remedy				
The block structure us 149.3.2.2.4 with the for Figure 149-8 are either	of 165.3.2.2.4 with the following ed by 25GBASE-T1 is the Mult mat as shown in Figure 149-8. data characters or control cha he corresponding TXC or RXC	GBASE-T1 The chara racters and	acters in the 65-bit block in I, when transferred across	11, als lines 9 If an a	o change and 11.	page 59 Update a commer	able 149-2 on page 61 lines line 10, page 70 lines 2 and associated PICs. It to create a new Table 165	3, page 79 lin	es 25 and 26, page 80
Response	Response Status C			Proposed	Response	9	Response Status W		
ACCEPT IN PRINCIPL	.E.			PROP	OSED AC	CEPT.			
See comment #673				C/ 165	SC 16	5.3.2.2.5	P61	L10	# 643
C/ 165 SC 165.3.2.2	5 <i>P</i> 60	L 48	# 641	McClellan,	Brett		Marvell		
McClellan, Brett	Marvell			Comment	Type E	ER	Comment Status D		
Comment Type E header disconnected fr SuggestedRemedy insert page break	Comment Status D rom subclause text		EZ	contro BASE- contro BASE-	l code', '2. -T1 l code', ar -T1	.5G/5G/1 nd '2.5G/		the column he	adings are 'XGMII
Proposed Response	Response Status W			Suggested	Remedy				
PROPOSED ACCEPT							.3.2.2.5 and label as Table 1 e reference to Table 165-2	65-2, change t	he column headers as
C/ 165 SC 165.3.2.2	2.5 <i>P</i> 61	L10	# 425	Proposed		-	Response Status W		
Wienckowski, Natalie	General Motors	6		,	,		N PRINCIPLE.		
Comment Type T	Comment Status D		EZ, Table 149-1	-					
The MultiGBASE-T1 C	ontrol Codes are in Table 149-	2, not Table	e 149-1.	See co	omment #	673			
SuggestedRemedy Change: Table 149-1 To: Table 149-2 Also on P61L19, P132 P80L9, P80L11, P132I	L43, P137L6, P58L11, P59L11 _43.	, P70L2, P7	70L3, P79L25, P79L26,						
Proposed Response PROPOSED ACCEPT	Response Status W								

C/ 165 SC 165.3.2.2.5

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/ 165 SC 165.3.2.2.5 P61 L10 # 642	C/ 165 SC 165.3.2.2.18 P65 L51 # 674
IcClellan, Brett Marvell	Zimmerman, George CME Consulting/APL Gp, Cisco, CommScope, Marv
omment Type T Comment Status A 165.3.2.2.4 - 165	
missing statement on additional control codes	Similarly, 165.3.2.2.18 through 165.3.2.2.21 are identical to clause 149, and can be referenced. (note I've left EEE capability since this seems to be an area we discuss
uggestedRemedy	diverging frequently, and the numbers are different in the wake time table)
insert 'All 25GMII control code values that do not appear in the table shall not be transmitted and shall be treated as an error if received.'	SuggestedRemedy
esponse Response Status C	Replace 165.3.2.2.18 through 165.3.2.2.21 each as follows: 165.3.2.2.18 PCS scrambler
ACCEPT IN PRINCIPLE.	The PCS scrambler operates as specified in 149.3.2.2.18.
See comment #673	165.3.2.2.19 Gray mapping for PAM4 encoding The PCS transmit process shall map pairs of bits to Gray-coded PAM4 symbols as
	specified in 149.3.2.2.19
165 SC 165.3.2.2.14 P62 L39 # 503	165.3.2.2.20 Selectable precoder
uber, Thomas Nokia	The PCS transmit process shall precode the Gray-coded PAM4 symbols as specified in 149.3.2.2.20.
omment Type E Comment Status D	165.3.2.2.21 PAM4 encoding
Awkward grammar in the sentence	The PCS transmit process shall encode each precoder output symbol as specified in 149.3.2.2.21
uggestedRemedy	Response Response Status C
Change: The RS-FEC encoding takes the 8460-bit vector, consisting of tx_group130x65B, au 10-bit OAM_field, and shall generate the 90 10-bit parity symbols (900 bits total).	
To:	Changes as proposed + update PICS.
The RS-FEC encoding takes the 8460-bit vector, consisting of tx_group130x65B an 10-bit OAM_field, and generates the 90 10-bit parity symbols (900 bits total).	C/ 165 SC 165.3.2.2.22 P67 L34 # 725
roposed Response Response Status W	Jonsson, Ragnar Marvell
PROPOSED ACCEPT IN PRINCIPLE.	Comment TypeTComment StatusDpost-deadline, partial franSleep signal should be composed of 16 RS frames
	SuggestedRemedy
Reason: proposed response removes the 'shall' for the RS encoding	change "eight Reed-Solomon frames" to "sixteen Reed-Solomon frames"
Change:	Proposed Response Response Status W
The RS-FEC encoding takes the 8460-bit vector, consisting of tx_group130x65B, and	PROPOSED ACCEPT.
10-bit OAM_field, and shall generate the 90 10-bit parity symbols (900 bits total). To:	See comment #710 for justification
The RS-FEC encoding shall generate the 90 10-bit parity symbols (900 bits total) us	, he
8460-bit vector, consisting of tx_group130x65B and the 10-bit OAM_field as the me symbols.	

C/ 165 SC 165.3.2.2.22 Page 42 of 78 8/19/2022 3:34:41 PM

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C/ 165 SC 165.3.2.2.23 P67 L3	5 # 726	C/ 165 SC 165.3.2.3	3 P68	L37	# 545
Jonsson, Ragnar Marvell	5 # <u>120</u>	Ran, Adee	Cisco	231	# 545
Comment Type T Comment Status D	post-deadline, partial frame	Comment Type T	Comment Status D		
Sleep signal should be composed of 16 RS frames	post-deadime, partial marine	51	receive function includes ur	doing the effect o	f the selected
SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames"			is a separate function from F		
Proposed Response Response Status W			on in the precoder options is at a mod4 operation (not trivia		
PROPOSED ACCEPT.		SuggestedRemedy			
See comment #710 for justification		Add a box "Undo seled	cted precoder" in Figure 165-	-7.	
Comment type changed to non-R due to post-deadline statu	5.	used for each precode	165.3.2.2.20 in a subclause r option (e.g., G(n)=(P(n)+P(coding may be implemented	(n-1)) mod 4 for 1	
		demapped" to "The re	ph of 165.3.2.3, change "The ceived PAM4 symbols, after ubclause>), are demapped".	decoding the sele	
		Proposed Response	Response Status W		
		PROPOSED ACCEPT	IN PRINCIPLE.		
		Add a box "Undo seled	cted precoder" in Figure 165-	-7.	
		demapped" to "The re	ph of 165.3.2.3, change "The ceived PAM4 symbols, after ubclause>), are demapped".	decoding the sele	
			.3.2.2.20 in a subclause und r option (e.g., G(n)=(P(n)+P(was proposed.		

C/ 165 SC 165.3.2.3 Page 43 of 78 8/19/2022 3:34:41 PM

Jonsson, Ragnar Marvell Comment Type T Comment Status D post-deadline, partial Irame There should be 32 partial PHY frames per PHY frame, where each PHY frame has 8 RS- FEC frames. SuggestedRemedy Comment Type T Comment Type D post-deadline, partial Irame Vaposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification Comment type changed to non-R due to post-deadline status. Proposed Response Status W Vinckowski, Natalie General Motors Comment Type P70 L12 #[275] SuggestedRemedy Change ad outpert Status D Comment Type Comment Type P70 L12 #[275] See comment #710 for justification Comment Type Comment Type Comment Type P70 L12 #[275] SuggestedRemedy Change: ad subject To: and is subject To: See for the status Comment Type Comment Type Comment Type Response Status <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>									
Comment Type T Comment Status D post-deadline, partial frame There should be 32 partial PHY frames per PHY frame, where each PHY frame has 8 RS- FEC frames. Comment Type T Comment Status D post-deadline, partial frame Wage stedRemedy Change 16 to 32 Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification Comment Type C Response Status W Comment type changed to non-R due to post-deadline status. P69 L17 # 127 Vinectowski, Natalie General Motors Comment Type E Comment Status D P70 L12 # 675 SuggestedRemedy Comment Status D post-deadline, partial frame SuggestedRemedy Comment Type E Comment Status A 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.3 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.3 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.4 165.3.3 165.3.4 165.3.4 165	C/ 165 SC 165.3.2.3	B P 69	L13	# 715	C/ 165	SC 165.3.2.4	P 69	L 33	# 728
There should be 32 partial PHY frames per PHY frame, where each PHY frame has 8 RS- FEC frames. Suggested/Remedy Change 16 to 32 Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification Comment type changed to non-R due to post-deadline status. C/ 165 SC 165.3.2.3 P69 L17 # 127 Wienckowski, Natalie General Motors Comment Status D EZ grammar Suggested/Remedy Change a subject To: and is subject To: and is subject PROPOSED ACCEPT. C/ 165 SC 165.3.2.3 P69 L17 # 127 Wienckowski, Natalie General Motors Comment Type E Comment Status D EZ similarly, 165.3.3 through 165.3.4 as follows: 165.3.3 through 200 through 165.3.4 throug	Jonsson, Ragnar	Marvell			Jonsson, I	Ragnar	Marvell		
Suggested/Remedy Change 16 to 32 ************************************	There should be 32 pa		e, where		Wake	signal should be			post-deadline, partial fram
Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification Comment type changed to non-R due to post-deadline status. PROPOSED ACCEPT. See comment #710 for justification Comment type changed to non-R due to post-deadline status. // 165 SC 165.3.2.3 P69 L17 # 427 Winckowski, Natalie General Motors Comment Type E Comment Status A 165.3.3 grammar Sc 165.3.3 P70 L12 # 675 SuggestedRemedy Change: and subject To: and is subject To: and is subject To: and is subject PROPOSED ACCEPT. PROPOSED ACCEPT. P69 L22 # 727 Onsone, Ragnar Marvell Marvell Sc 165.3.3 a deponse Status C C/165 SC 165.3.2.3 P69 L22 # 727 Ionson, Ragnar Marvell Marvell Comment Type T Comment Status D post-deadline, partial frame SuggestedRemody Change's signal should be composed of 16 RS frames post-deadline, partial frame Change's as proposed + update PICS SuggestedRemody Comment Type T Comment Status D post-de	SuggestedRemedy Change 16 to 32				chang	e "eight RS-Fram			
See comment #710 for justification Comment type changed to non-R due to post-deadline status. C1 165 SC 165.3.2.3 P69 L17 # 427 Wienckowski, Natalie General Motors Comment Type E Comment Status D CZ grammar Suggested/Remedy Change: and subject To: and is subject To: and is subject To: and is subject To: and is subject PROPOSED ACCEPT. P69 L22 # 727 forsson, Ragnar Marvell SongestedRemedy Comment Status D post-deadline, partial frame Status Reprose Response Status D post-deadline, partial frame Status Reprose Response Status D post-deadline, partial frame Status Reprose Response Status D post-deadline, partial frame Status Reprose Status W PROPOSED ACCEPT. Comment Status D post-deadline, partial frame Status Reprose Response Status W PROPOSED ACCEPT. Comment Status D post-deadline, partial frame Status Reprose Response Status W PROPOSED ACCEPT. Comment Status D post-deadline, pa	Proposed Response PROPOSED ACCEPT	,					Response Status W		
Comment type changed to non-R due to post-deadline status. C/1 B5 SC 165.3.2.3 P 69 L 17 # 427 Wienckowski, Natalie General Motors EZ Mienckowski, Natalie General Motors EZ SuggestedRemedy Change: and subject To: and is subject To: and is subject To: and is subject To: and is subject To: and is subject To: and is subject PROPOSED ACCEPT. Comment Status D post-deadline, partial frame SiggestedRemedy Chings: SC 165.3.2.3 P 69 L 22 # 727 Jonsson, Ragnar Marvell post-deadline, partial frames SuggestedRemedy Changes as proposed to non-status C SuggestedRemedy Comment Type T Comment Status D post-deadline, partial frame Chings as proposed + update PICS C/1 165 SC 165.3.2.3 P 69 L 22 # 727 Chings as proposed + update PICS C/2 165 SC 16mers* to *sixteen RS-FEC frames* D post-deadline, partial frame Chings as proposed + update PICS SuggestedRemedy Changes as proposed + update PICS Changes as proposed + update PICS Changes as proposed + update PICS									
C/165 SC 165.3.2.3 P69 L17 # 427 Wienkowski, Natalie General Motors General Motors EZ Comment Type E Comment Status D EZ SuggestedRemedy Change: and subject To: and is subject SuggestedRemedy Proposed Response Response Status W PROPOSED ACCEPT. P69 L22 # 727 C/165 SC 165.3.2.3 P69 L22 # 727 Jonsson, Ragnar Marvell Marvell Comment Status Changes is proposed of 16 RS frames SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Post-deadline, partial frame Changes as proposed + update PICS Steep signal should be composed of 16 RS frames SuggestedRemedy Change s as proposed + update PICS PROPOSED ACCEPT. See comment #710 for justification Site and the site is a status N	Comment type change	ed to non-R due to post-deadline	e status.		Comm		to non-R due to post-deadlin	le status.	
Wienckowski, Natalie General Motors General Motors 165.3.3 - 165.3 Comment Type E Comment Status D 165.3.3 - 165.3 grammar SuggestedRemedy Similarly, 165.3.3 through 165.3.4 are identical to clause 149 SuggestedRemedy Change: and subject To: and is subject Response Response Status W PROPOSED ACCEPT. PC To: Comment Status D post-deadline, partial frame Sleep signal should be composed of 16 RS frames D post-deadline, partial frame SuggestedRemedy Changes: to "sixteen RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Status W PROPOSED ACCEPT. See comment #710 for justification Similarly, 165.3	C/ 165 SC 165.3.2.3	B P69	L17	# 427					
Comment Type E Comment Status D EZ Similarly, 165.3.3 through 165.3.4 are identical to clause 149 SuggestedRemedy Change: and subject Replace 165.3.3 and 165.3.4 are identical to clause 149 SorgestedRemedy Change: and subject Replace 165.3.3 and 165.3.4 are identical to clause 149 SorgestedRemedy Replace 165.3.3 and 165.3.4 are identical to clause 149 Proposed Response Response Status W PROPOSED ACCEPT. T27 Insson, Ragnar Marvell Comment Type T Comment Status D SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Post-deadline, partial frames SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Changes as proposed + update PICS PROPOSED ACCEPT. See comment #710 for justification W	Wienckowski, Natalie	General Motors	6			•		ig/APL Gp,	
SuggestedRemedy Change: and subject To: and is subject Proposed Response Response Status W PROPOSED ACCEPT. 2/ 165 SC 165.3.2.3 P69 L22 # 727 Jonsson, Ragnar Marvell Comment Type T Comment Status D post-deadline, partial frame Sleep signal should be composed of 16 RS frames SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification	51	Comment Status D		EZ				use 149	100.3.3 - 100.3
Change: and subject To: and is subject Proposed Response Response Status W PROPOSED ACCEPT. C/ 165 SC 165.3.2.3 P69 L22 # 727 Jonsson, Ragnar Marvell Comment Type T Comment Status D post-deadline, partial frame Sleep signal should be composed of 16 RS frames SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification	5				Suggested	Remedy			
PROPOSED ACCEPT. The PCS Transmit function shall employ side-stream scrambling as specified in 149.3.4. Cl 165 SC 165.3.2.3 P 69 L 22 T 727 Jonsson, Ragnar Marvell Post-deadline, partial frame C Sleep signal should be composed of 16 RS frames D post-deadline, partial frame C SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification Status W	Change: and subject				165.3. The te	3 Test-pattern ge st-pattern genera	nerators tor mode shall operate as spe	ecified in 14	9.3.3.
Cl 165 SC 165.3.2.3 P69 L 22 # T27 ACCEPT IN PRINCIPLE. Jonsson, Ragnar Marvell marvell Changes as proposed + update PICS Comment Type T Comment Status D post-deadline, partial frame Sleep signal should be composed of 16 RS frames post-deadline, partial frame Changes as proposed + update PICS SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification	Proposed Response PROPOSED ACCEPT	1						scrambling	g as specified in 149.3.4.
Jonsson, Ragnar Marvell Comment Type T Comment Status D post-deadline, partial frame Changes as proposed + update PICS Changes as propo									
Comment Type T Comment Status D post-deadline, partial frame Sleep signal should be composed of 16 RS frames SuggestedRemedy change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification		B P 69	L 22	# 727	ACCE	PT IN PRINCIPL	Ε.		
change "eight RS-FEC frames" to "sixteen RS-FEC frames" Proposed Response Response Status W PROPOSED ACCEPT. See comment #710 for justification	Comment Type T	Comment Status D		post-deadline, partial frame	Chang	es as proposed +	- update PICS		
PROPOSED ACCEPT. See comment #710 for justification	SuggestedRemedy change "eight RS-FEC	frames" to "sixteen RS-FEC fr	ames"						
	Proposed Response PROPOSED ACCEPT	•							
Comment type changed to non-R due to post-deadline status.	See comment #710 fo	r justification							
	Comment type change	ed to non-R due to post-deadline	e status.						

C/ 165 SC 165.3.3

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C/ 165 SC 165.3.5	P 71	L 23	# 711	C/ 165	SC 165.3.5	P 71	L 43	# 712
Jonsson, Ragnar	Marvell			Jonsson, F	Ragnar	Marvell		
Comment Type T There should be 32 part FEC frames.	Comment Status D ial PHY frames per PHY fra		st-deadline, partial frame PHY frame has 8 RS-	Comment There FEC fr	should be 32 pa	Comment Status D rtial PHY frames per PHY fr		ost-deadline, partial fran h PHY frame has 8 RS-
SuggestedRemedy Change 16 to 32				Suggested change	<i>IRemedy</i> e 15 to 31 and 1	6 to 32nd		
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed PROP	<i>Response</i> OSED ACCEPT	Response Status W		
See comment #710 for	justification			See co	omment #710 for	r justification		
Comment type changed	I to non-R due to post-deadl	line status.		Comm	ent type change	ed to non-R due to post-dead	dline status.	
C/ 165 SC 165.3.5	P 71	L 28	# 710	C/ 165	SC 165.3.5	P 71	L 44	# 713
I	Manuall			Incore F		Marvell		
Jonsson, Ragnar	Marvell			Jonsson, F	kagnar	indi i on		
Comment Type T	Comment Status D		st-deadline, partial frame	Comment	Туре Т	Comment Status D	-	partial frame, 450 to 117
Comment Type T Figure 165-12 is inconsi document due to incorre be 32 partial PHY frame		. There is a gener HY frames per PH	ral inconsistency in the TY frame. There should	Comment	<i>Type</i> T should be 32 pa rames.		-	
Comment Type T Figure 165-12 is incons document due to incorre be 32 partial PHY frame SuggestedRemedy	Comment Status D istent with L=8 super frame. ect definition of 16 partial PH es per PHY frame, where ea	There is a generative TY frames per Phach PHY frame is	ral inconsistency in the HY frame. There should 8 RS-FEC frames.	Comment There FEC fr Suggested	<i>Type</i> T should be 32 pa rames.	Comment Status D Irtial PHY frames per PHY fr	-	
Figure 165-12 is inconsi document due to incorre be 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to	Comment Status D istent with L=8 super frame. ect definition of 16 partial PH	There is a gener HY frames per Ph ach PHY frame is per PHY frame.	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed	<i>Type</i> T should be 32 pa rames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i>	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 Response Status W	-	
Comment Type T Figure 165-12 is inconsiducument due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response	Comment Status D istent with L=8 super frame. ect definition of 16 partial PH s per PHY frame, where ea	There is a gener HY frames per Ph ach PHY frame is per PHY frame.	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed	<i>Type</i> T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 Response Status W	-	
Comment Type T Figure 165-12 is inconsidocument due to incorre be 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to	Comment Status D istent with L=8 super frame. ect definition of 16 partial PH es per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY	There is a gener HY frames per Ph ach PHY frame is per PHY frame.	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed P	<i>Type</i> T should be 32 pa rames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i>	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W	-	
Comment Type T Figure 165-12 is inconsidered occument due to incorrect be 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial PH es per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W	ame, where eac	
Comment Type T Figure 165-12 is inconsident document due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for	Comment Status D Intial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W	ame, where eac	
Comment Type T Figure 165-12 is inconsident due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place for the proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP See co Comm	<i>Type</i> T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for eent type change	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W : r justification ed to non-R due to post-dead	dline status.	h PHY frame has 8 RS-
Comment Type T Figure 165-12 is inconsident due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP See co Comm	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for eent type change SC 165.3.5 rski, Natalie	Comment Status D Initial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W r in justification and to non-R due to post-dead	dline status.	h PHY frame has 8 RS-
Comment Type T Figure 165-12 is inconsident due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place for the proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed i PROP See co Comm C/ 165 Wienckow Comment	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for ent type change SC 165.3.5 ski, Natalie <i>Type</i> T	Comment Status D Initial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W r in justification ad to non-R due to post-dead <i>P</i> 71 General Mo	dline status.	h PHY frame has 8 RS- # 428 450 to 117
Comment Type T Figure 165-12 is inconsident due to incorrebe 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place for the proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed i PROP See co Comm C/ 165 Wienckow Comment	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for ent type change <i>SC</i> 165.3.5 ski, Natalie <i>Type</i> T quation for Sn wa	Comment Status D Initial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W r in justification ad to non-R due to post-dead <i>P</i> 71 General Mor <i>Comment Status</i> D	dline status.	h PHY frame has 8 RS- # 428 450 to 117
Comment Type T Figure 165-12 is inconsidered occument due to incorrect be 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP See co Comm C/ 165 Wienckow Comment The ec Suggested Chang	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for ent type change <i>SC</i> 165.3.5 ski, Natalie <i>Type</i> T quation for Sn wa <i>IRemedy</i> e: Each partial	Comment Status D Initial PHY frames per PHY fr line 44 and 45 <i>Response Status</i> W r in justification ad to non-R due to post-dead <i>P</i> 71 General Mor <i>Comment Status</i> D	dline status. <i>L</i> 44 tors till the same fron beginning at Sn	# [<u>428</u> <i>450 to 111</i> n Clause 149. where (n mod 450) = 0.
Comment Type T Figure 165-12 is inconsidered occument due to incorrect be 32 partial PHY frame SuggestedRemedy Correct figure 165-12 to be done in every place to Proposed Response PROPOSED ACCEPT.	Comment Status D istent with L=8 super frame. ect definition of 16 partial Ph as per PHY frame, where ea use 32 partial PHY frames that assumes 16 partial PHY <i>Response Status</i> W	There is a gener HY frames per Ph ach PHY frame is per PHY frame. Y frames per PHY	ral inconsistency in the HY frame. There should 8 RS-FEC frames. Same change needs to	Comment There FEC fr Suggested change Proposed I PROP See co Comm C/ 165 Wienckow Comment The ec Suggested Chang	Type T should be 32 pa ames. <i>IRemedy</i> e 450 to 1170 in <i>Response</i> OSED ACCEPT omment #710 for ent type change <i>SC</i> 165.3.5 ski, Natalie <i>Type</i> T quation for Sn wa <i>IRemedy</i> e: Each partial ach partial PHY	Comment Status D Irtial PHY frames per PHY fr line 44 and 45 Response Status W : r justification ed to non-R due to post-dead P71 General Mo Comment Status D as updated, but the text is st PHY frame is 450 bits long,	dline status. <i>L</i> 44 tors till the same fron beginning at Sn	# [<u>428</u> <i>450 to 111</i> n Clause 149. where (n mod 450) = 0.

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C/ 165

SC 165.3.5

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C/ 165	SC 165.3.5	P 71	L 44	# 469	C/ 165	SC 165.3.6	P 72	L 17	# 729
Tu, Mike		Broadcom			Jonsson,	Ragnar	Marvell		
<i>Comment</i> The siz	51	<i>Comment Status</i> D Y frame is 1170 bits, not 450) bits.	450 to 1170	<i>Comment</i> Sleep		Comment Status D composed of 16 RS frames		post-deadline, partial fram
"Each Proposed	e the sentence to	e is 1170 bits long, beginning Response Status W	g at Sn where (n	mod 1170) = 0."	Proposed	,	C frames" to "sixteen RS-FEC Response Status W	frames"	
C/ 165	SC 165.3.5	P71	L 44	# 652	See co	omment #710 fo	r justification		
McClellan,		Marvell		W 032	Comm	nent type change	ed to non-R due to post-deadline	ne status.	
Comment	Туре Т	Comment Status D		450 to 1170	C/ 165	SC 165.3.6	P 72	L 22	# 732
If the F	PHY frame is 1/4	h of an RSFEC frame then it	is 1170 symbol	s long.	Jonsson,	Ragnar	Marvell		
	e "Each partial P	HY frame is 450 bits long, be ame is 1170 symbols long, be					Comment Status D s 22-24 is easily misunderstoo of the signal.	od to imply	<i>post-deadline, E</i> a sequence of signals, as
Proposed PROP	Response OSED ACCEPT.	Response Status W				ge "The first part	of this cycle is known as the c		
Cl 165 Jonsson, F Comment	0	P 71 Marvell Comment Status D	L 48	# 714	known cycle i define	as the refresh p is known as the	iet period is defined in 165.3.6 period and lasts for a time lpi_t quiet period and lasts for a tim "he another part of this cycle is time."	refresh_tim e lpi_quiet	e." to "The one part of this _time. The quiet period is
There FEC fr		tial PHY frames per PHY fra	me, where each	PHY frame has 8 RS-	,	Response	Response Status W		
Suggestea Chang		0, 17654 to 36365, and 1872	0 with 37440.		Minor	editorial change	s relative to suggested remed	у.	
	Response OSED ACCEPT.	Response Status W			lpi_qu	iet_time. The qu	of this cycle is known as the c iet period is defined in 165.3.6 period and lasts for a time lpi_t	2. The sea	cond part of this cycle is
See co	omment #710 for	justification			define	d in 165.3.6.2. T	quiet period and lasts for a tim		
Comm	ent type change	d to non-R due to post-deadli	ne status.		for a ti	ime lpi_refresh_t	time."		

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	SC 165.3.6	P 72	L 28	# 733	C/ 165	SC 165.3.6	P 73
Jonsson,	Ragnar	Marvell			Jonsson, I	Ragnar	Marvell
Comment	туре т	Comment Status D		post-deadline, EZ	Comment	Type E	Comment Status D
lpi_of	fset no longer exi	sts and has been replaced w	ith master and sl	ave specific versions			e refresh signal is incorre
Suggeste	dRemedy						a, not 43 (see Table 165-3
replac	ce "lpi_offset" with	"lpi_master_offset, lpi_slave	e_offset		Suggested	2	
Proposed	Response	Response Status W					e refresh signal at location
PROF	POSED ACCEPT				Proposed	•	Response Status W
Com	ment turne abanga	d to non D due to neet dead	ine status		PROP	OSED ACCEPT.	
	,, ,	d to non-R due to post-deadl			C/ 165	SC 165.3.6.1	P 74
C/ 165	SC 165.3.6	P 72	L 29	# 689	Jonsson, I	Ragnar	Marvell
Jonsson,	8	Marvell			Comment	Туре т	Comment Status D
Comment	51	Comment Status D		post-deadline	There	should be 32 part	tial PHY frames per PHY
		laced with master and slave estate a value already defined		ues are incorrect, and it	FEC fr	ames.	
	·	State a value alleady defined			Suggested	Remedy	
00	dRemedy	final value and to be an A			Chang	e "PHY frame" to	"RS-FEC frame" in lines
		fixed value equal to lpi_qr_t t with "The values for these t			Proposed	Response	Response Status W
			31	5		OSED ACCEPT.	
165-0	J3."				PROP	USED ACCEPT.	
	13." I Response	Response Status W			_		iustification
Proposed	-	,			_	omment #710 for j	justification
Proposed PROF	Response POSED ACCEPT	IN PRINCIPLE.	ime / 2 ± 4 (52 R	S-FEC frame periods) "	See co	omment #710 for j	
Proposed PROF	Response POSED ACCEPT	,	ime / 2 + 4 (52 R	S-FEC frame periods)."	See co	omment #710 for j	
Proposed PROF Remo	I Response POSED ACCEPT ove "Ipi_offset is a	IN PRINCIPLE.		S-FEC frame periods)."	See co	omment #710 for j ent type changed SC 165.3.6.1	I to non-R due to post-de
Proposed PROF Remo Comr	I Response POSED ACCEPT ove "Ipi_offset is a	IN PRINCIPLE. fixed value equal to lpi_qr_t		S-FEC frame periods)." # 690	See co Comm C/ 165	omment #710 for j ent type changed SC 165.3.6.1	l to non-R due to post-de P 74
Proposed PROF Remo Comr C/ 165	POSED ACCEPT ove "lpi_offset is a ment type change SC 165.3.6	IN PRINCIPLE. fixed value equal to lpi_qr_t d to non-R due to post-deadl	ine status.		See co Comm C/ 165 Graba, Jin	omment #710 for j ent type changed SC 165.3.6.1	I to non-R due to post-de P 74 Broadcom
Proposed PROF Remo Comr C/ 165 Jonsson,	Response POSED ACCEPT ove "Ipi_offset is a ment type change SC 165.3.6 Ragnar	IN PRINCIPLE. fixed value equal to lpi_qr_t d to non-R due to post-deadl P 73	ine status.		See co Comm C/ 165 Graba, Jin Comment Typo	omment #710 for j ent type changed SC 165.3.6.1 n <i>Type</i> E	I to non-R due to post-de P 74 Broadcom
Proposed PROF Remo Comr C/ 165 Jonsson, Comment	Response POSED ACCEPT ove "Ipi_offset is a ment type change SC 165.3.6 Ragnar : Type E	IN PRINCIPLE. fixed value equal to lpi_qr_ti d to non-R due to post-deadl P 73 Marvell	ine status.	# 690 post-deadline, EZ	See co Comm Cl 165 Graba, Jin Comment Typo Suggested	omment #710 for j ent type changed SC 165.3.6.1 n <i>Type</i> E <i>IRemedy</i>	I to non-R due to post-de P 74 Broadcom Comment Status D
Proposed PROF Remo Comr Cl 165 Jonsson, Comment The la	Response POSED ACCEPT ove "lpi_offset is a ment type change SC 165.3.6 Ragnar t Type E ocation of the slav	IN PRINCIPLE. fixed value equal to lpi_qr_t d to non-R due to post-deadl P 73 Marvell Comment Status D	ine status.	# 690 post-deadline, EZ	See or Comm Cl 165 Graba, Jin Comment Typo Suggested Chang	omment #710 for j ent type changed SC 165.3.6.1 n <i>Type</i> E <i>IRemedy</i> e " starting a fra	A to non-R due to post-de P74 Broadcom <i>Comment Status</i> D ame 92" to " starting at
Proposed PROF Remo Comr Cl 165 Jonsson, Comment The la shoul	Response POSED ACCEPT ove "lpi_offset is a ment type change SC 165.3.6 Ragnar t Type E ocation of the slav	IN PRINCIPLE. fixed value equal to lpi_qr_t d to non-R due to post-deadl P73 Marvell Comment Status D re refresh signal is incorrect of	ine status.	# 690 post-deadline, EZ	See or Comm Cl 165 Graba, Jin Comment Typo Suggested Chang Proposed	omment #710 for j ent type changed SC 165.3.6.1 Type E <i>Remedy</i> e " starting a fra Response	I to non-R due to post-de P 74 Broadcom Comment Status D
Proposed PROF Remo Comr Cl 165 Jonsson, Comment The la shoul Suggeste	POSED ACCEPT ove "lpi_offset is a ment type change SC 165.3.6 Ragnar trype E ocation of the slav d be at location 4 dRemedy	IN PRINCIPLE. fixed value equal to lpi_qr_t d to non-R due to post-deadl P73 Marvell Comment Status D re refresh signal is incorrect of	ine status. L 10 or misleading in t	# 690 post-deadline, EZ	See or Comm Cl 165 Graba, Jin Comment Typo Suggested Chang Proposed	omment #710 for j ent type changed SC 165.3.6.1 n <i>Type</i> E <i>IRemedy</i> e " starting a fra	A to non-R due to post-dea P74 Broadcom Comment Status D ame 92" to " starting at
Proposed PROF Remo Comr Cl 165 Jonsson, Comment The la shoul Suggeste Redra	POSED ACCEPT ove "lpi_offset is a ment type change SC 165.3.6 Ragnar trype E ocation of the slav d be at location 4 dRemedy	IN PRINCIPLE. fixed value equal to lpi_qr_ti d to non-R due to post-deadl P73 Marvell Comment Status D re refresh signal is incorrect of 2, not 43 (see Table 165-3)	ine status. L 10 or misleading in t	# 690 post-deadline, EZ	See or Comm Cl 165 Graba, Jin Comment Typo Suggested Chang Proposed	omment #710 for j ent type changed SC 165.3.6.1 Type E <i>Remedy</i> e " starting a fra Response	A to non-R due to post-dea P74 Broadcom Comment Status D ame 92" to " starting at

Jonsson, R	agnar	Marve		
Comment T	ype E	Comment Status	D	post-deadline, EZ
		e refresh signal is ind 2, not 43 (see Table 1		ng in the Figure 165-14. It
Suggested	Remedy			
Redraw	location of slav	e refresh signal at lo	cation 42	
Proposed R	Response	Response Status	w	
PROPC	OSED ACCEPT.			
C/ 165	SC 165.3.6.1	P 7 4	L15	# 716
Jonsson, R	agnar	Marve	-11	
Comment T	уре Т	Comment Status	D	post-deadline, partial frame
There s FEC fra		tial PHY frames per l	PHY frame, where	each PHY frame has 8 RS-
Suggested	Remedy			
Change	e "PHY frame" to	"RS-FEC frame" in	ines 15 and 16.	
Proposed R PROPC	esponse SED ACCEPT.	Response Status	W	
See co	mment #710 for	justification		
Comme	ent type changed	d to non-R due to pos	st-deadline status.	
C/ 165	SC 165.3.6.1	P 7 4	L 18	# 507
Graba, Jim		Broad	com	
Comment T	ype E	Comment Status	D	EZ
Туро				
Suggested	Remedy			
Change	e " starting a fr	ame 92" to " starti	ng at frame 92"	
Proposed R	Response	Response Status	w	
•	SED ACCEPT.	•		

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

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C/ 165 SC 165	3.7 P75	L5	# 644	C/ 165	SC 165.3.	7.2.1	P 75	L 41	# 546
		20	" "						" 340
diagrams is ident referencing claus Exceptions: 1.rfer_timer defini 2.Eigure 165–20– 3.A definition for v related comment 4.Use of 25GMII i 5.Subclause and SuggestedRemedy Replace the text o "The PCS state d 25GMII replaces	-EEE transmit state diagram when ariable rfer_test_lf was added, but to remove it. Instead of XGMII Figure references to 165 instead of 165.3.7.2.1 Constants with: tagram constants are as defined in XGMII."	ould be, but is rec res re a change was i t is never used in of 149	dundant. I suggest ntroduced the document. See	obscur- unders places, Similar Suggested Replac 88, and Proposed F PROPO	Type E Instant name e. Wherever tand if the nu so the merit ly for RFRX_ <i>Remedy</i> e instances of d delete the c <i>Response</i> DSED REJEC cing obscure	"RFER_CNT_LI it is used in the mber 16 was us of having a con CNT_LIMIT (88) of RFER_CNT_L onstant definitio <i>Response</i> CT.	text or in idagra ed instead (the stant is questio). .IMIT with 16, a ns. <i>Status</i> W	ims, it would be end nable).	holds, and is more easier for the reader to ready used in some RFRX_CNT_LIMIT with an having constants
Replace the text of "The PCS state of 25GMII replaces Reference to 149 Replace the text of "The PCS timers XGMII and the fol rfer_timer Timer that is trigg rfer_timer_done = Replace the text of "The PCS functio XGMII and the fol Reference to 149 Replace the text of "The PCS counter In 165.3.7.3 delet	of 165.3.7.22 Variables with: agram variables are as defined in KGMII and the following modificat 4.4.1 is replace by 165.4.4.1." of 165.3.7.2.3 Timers with: are as defined in 149.3.7.2.3 with lowing modified definitions: gered every 12.5 µs ±1%. When th	the exception the ne timer reaches ith the exception Figure 165–18 a	at 25GMII replaces its terminal count, that 25GMII replaces nd Figure 165–19 and	Cl 165 Gorshe, St Comment T Is the li be mov Suggested If strict cleaned Proposed F PROPO	Type E ist on this pag red Remedy ly alphabetica d up Response DSED ACCE	Comment ge supposed to al order is intend	led on this page <i>Status</i> W LE.	e and the next pa	# <u>342</u> EZ If so, rf_valid should age, it should be
Proposed Response PROPOSED ACC	Response Status W								

C/ 165 SC 165.3.7.2.2

C/ 165	SC 165.3.7.2.2	P 77	L 6	# 505	C/ 165	SC 165.3.7.2	3	P 78	L16	# 730
Martino, Kjers	sti	Inneos			Jonsson, I	Ragnar	I	Marvell		
	explicit text indicating that	nt Status D lpi_refresh_dete	ct is a boolean va	riable for consistency	<i>Comment</i> Sleep	<i>Type</i> T signal should be	Comment St composed of 1			post-deadline, partial fram
SuggestedRe "Boolean Proposed Re PROPOS ====== Reason: that is se Change t	variable that is set TRUE	not match the fo		(A Boolean variable # 470	Proposed PROP See co Comm Cl 165 Graba, Jin Comment	e "eight RS-FEC Response OSED ACCEPT omment #710 for nent type change SC 165.3.7.2 n <i>Type</i> TR RAME includes u	Response Sta , , justification d to non-R due comment Sta Comment Sta	atus W to post-dead P80 Broadcom fatus D		# 509
16 FEC e FEC erro rfer_time	pe TR Comme. timer is used to set the hi errors within one rfer_time rs within 31.25 usec, or a r long enough to ~98 FEC	er interval. In 802 bout 98 FEC fran C frames as well.	.3ch 10GBASE-T nes. For 802.3cy	1 this translate to 16 we should keep the	FALSE Proposed PROP	E during the first	8 WAKE frames Response Sta IN PRINCIPLE.	s." atus W		ed, RX_FRAME shall be
	cy_01_08_16_2022.pdf f	J X	,		C/ 165	SC 165.3.7.3	}	P84	L37	# 506
SuggestedRe					Martino, K	jersti		nneos		
1. On pag 2. On pag "45.2.3.8 When rea	ge 78, line 8, change "12. ge 27, line 44, add the fol 7.2 PCS high RFER (3.23 ad as a one, bit 3.2324.9	lowing: 324.9) indicates that the	• MultiGBASE-T1		'LI' fro Suggested	n 165-18 is missi m RX_E <i>IRemedy</i>	Comment St		d the transiti	on to R_TYPE(rx_coded) =
zero, bit FEC erro the hi_rfe	16 or more RS-FEC error 3.2324.9 indicates that the ored blocks within one rfer er variable defined in 149.	e MultiGBASE-T _timer interval. E 3.8.1 and 165.3.4	1 PCS is detectin Bit 3.2324.9 is a re	g fewer than 16 RS-	Proposed	ashed line <i>Response</i> OSED ACCEPT	Response Sta	atus W		
Proposed Re PROPOS	sponse Respons SED ACCEPT.	e Status W								

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

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	P87	L1	# 645	C/ 165	SC 1	165.3.8.3	P 87	L 45	# 548
AcClellan, Brett	Marvell			Ran, Adee	9		Cisco		
Comment Type E	Comment Status A		165.3.8	Comment	Туре	т	Comment Status D		
	.8 PCS management is idention This is as it should be, but is attire text.				the PC		back function should be lis ement, which typically only		the PCS functions, not as variables and register
SuggestedRemedy Replace all text of 16 that 25GMII replaces	5.3.8 with "PCS management	is defined in 149	.3.8 with the exception	functio	on càn b	e fed by th	it function) currently does ne receive function.	not even men	tion that the transmit
Response	Response Status C			Suggested	Remed	У			
ACCEPT.				Add te	ext to 16	5.3.2.2 (P	CS Transmit function) that	t describes the	e effect of loopback mode.
				Delete	the cor	ntent of 16	5.3.8.3 and add a control	variable for lo	opback mode instead.
C/ 165 SC 165.3.8	B.1 P87	L 7	# 547	Proposed	Respon	se	Response Status W		
Ran, Adee	Cisco			PROP		ACCEPT I	N PRINCIPLE.		
Comment Type T	Comment Status A		165.3.8						
It seems that only fev	w of the status variables define	nd in 54 2 1 are lis	tod hara	Delete	e the cor	ntent of 16	5.3.8.3 and add a control	variable for lo	opback mode instead.
		u in 54.2.1 arc in	sted here.						opsaon meae meredai
Among the ones liste	ed, the LPI variables seem unn					describes	the effect of loopback mo		•
					ext "that	describes 165.3.9.1			rovided at this time.
in both directions is c	ed, the LPI variables seem unn	ecessary, since t	he LPI real-time status	The te C/ 165	ext "that SC 1		the effect of loopback mo	de" was not p	•
in both directions is c	ed, the LPI variables seem unn conveyed over the 25GMII.	ecessary, since t	he LPI real-time status	The te C/ 165 Jonsson, F	ext "that SC 1 Ragnar	165.3.9.1	the effect of loopback mo P 88 Marvell	de" was not p	rovided at this time. # 7 <u>17</u>
in both directions is c The status of training listed. Also, control variable	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i	necessary, since t Int for manageme interface should i	he LPI real-time status nt, but they are not nclude at least reset,	The te Cl 165 Jonsson, F Comment	SC 1 SC 1 Ragnar <i>Type</i> should l	165.3.9.1 T	the effect of loopback mo P 88 Marvell Comment Status D	de" was not p L 16	rovided at this time.
in both directions is c The status of training listed. Also, control variable test modes, interleav	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa	necessary, since t Int for manageme interface should i	he LPI real-time status nt, but they are not nclude at least reset,	The te Cl 165 Jonsson, F Comment There FEC fr	SC 1 SC 1 Ragnar <i>Type</i> should I rames.	165.3.9.1 T be 32 part	the effect of loopback mo P 88 Marvell Comment Status D	de" was not p L 16	rovided at this time. # 7 <u>17</u> post-deadline, partial fram
in both directions is of The status of training listed. Also, control variable test modes, interleav SuggestedRemedy	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i ring and precoding request to th	ecessary, since t Int for manageme interface should i he link partner, ar	he LPI real-time status nt, but they are not nclude at least reset, nd loopback mode.	The te Cl 165 Jonsson, F Comment There FEC fr Suggested	ext "that SC 1 Ragnar <i>Type</i> should l rames.	165.3.9.1 T be 32 part	the effect of loopback mo P 88 Marvell Comment Status D	de" was not p L 16	rovided at this time. # 7 <u>17</u> post-deadline, partial fram
in both directions is of The status of training listed. Also, control variable test modes, interleav SuggestedRemedy Expend the manager	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i ring and precoding request to the ment interface section per the o	ecessary, since t Int for manageme interface should i he link partner, ar	he LPI real-time status nt, but they are not nclude at least reset, nd loopback mode.	The te Cl 165 Jonsson, F Comment There FEC fr Suggested	ext "that of SC 1 Ragnar <i>Type</i> should I rames. <i>IRemed</i> ge "PHY	165.3.9.1 T be 32 part y frame" to	the effect of loopback mo P 88 Marvell Comment Status D ial PHY frames per PHY f	de" was not p L 16	rovided at this time. # 7 <u>17</u> post-deadline, partial fram
in both directions is of The status of training listed. Also, control variable test modes, interleav SuggestedRemedy	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i ring and precoding request to the ment interface section per the o <i>Response Status</i> C	ecessary, since t Int for manageme interface should i he link partner, ar	he LPI real-time status nt, but they are not nclude at least reset, nd loopback mode.	The te Cl 165 Jonsson, F Comment There FEC fr Suggested Chang Proposed	SC 1 SC 1 Ragnar Type should I rames. IRemedj je "PHY Respon	165.3.9.1 T be 32 part y frame" to	the effect of loopback mo P 88 Marvell Comment Status D ial PHY frames per PHY f	de" was not p L 16	rovided at this time. # 7 <u>17</u> post-deadline, partial fram
in both directions is of The status of training listed. Also, control variable test modes, interleav SuggestedRemedy Expend the manager Response	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i ring and precoding request to the ment interface section per the o <i>Response Status</i> C	ecessary, since t Int for manageme interface should i he link partner, ar	he LPI real-time status nt, but they are not nclude at least reset, nd loopback mode.	The te Cl 165 Jonsson, F Comment There FEC fr Suggested Chang Proposed PROP	SC 1 Ragnar Type should I rames. IRemed je "PHY Respon OSED I	165.3.9.1 T be 32 part y frame" to se ACCEPT.	the effect of loopback mo P 88 Marvell Comment Status D ial PHY frames per PHY f	de" was not p L 16	rovided at this time. # 717 post-deadline, partial fram
in both directions is of The status of training listed. Also, control variable test modes, interleav SuggestedRemedy Expend the manager Response ACCEPT IN PRINCIP	ed, the LPI variables seem unn conveyed over the 25GMII. g parameters would be importa es are not listed; management i ring and precoding request to the ment interface section per the o <i>Response Status</i> C	ecessary, since t Int for manageme interface should i he link partner, ar	he LPI real-time status nt, but they are not nclude at least reset, nd loopback mode.	The te Cl 165 Jonsson, F Comment There FEC fr Suggested Chang Proposed PROP See co	xt "that of SC 1 Ragnar <i>Type</i> should I rames. <i>IRemed</i> ge "PHY <i>Respon</i> . OSED <i>I</i> comment	165.3.9.1 T be 32 part y frame" to se ACCEPT. #710 for j	the effect of loopback mo P 88 Marvell Comment Status D ial PHY frames per PHY f "RS-FEC frame". Response Status W	de" was not p <i>L</i> 16 rame, where e	rovided at this time. # 7 <u>17</u> post-deadline, partial fram

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C/ 165	SC 165.3.9.2.	1 P 88	L 34	# 508	C/ 165	SC 165.3.9.4.	.3 P 89	L15	# 718
Graba, Jim	ı	Broadcom			Jonsson, F	Ragnar	Marvell		
Comment T	Type TR	Comment Status D			Comment	Туре Т	Comment Status D		post-deadline, partial frame
OAM s	symbols may be u	inreliable during the beginni	ng of Wake				tial PHY frames per PHY frame	e, where e	each PHY frame has 8 RS-
Suggested	Remedy				FEC fr				
Change	e according to pp	5-6 in graba_3cy_01_0816	6.pdf		Suggested	•	"DC FFC fromo"		
Proposed F	Response	Response Status W			-		"RS-FEC frame".		
PROP	OSED ACCEPT.				Proposed	•	Response Status W		
C/ 165	SC 165.3.9.4.	1 <i>P</i> 88	L 48	# 549	PROP	OSED ACCEPT.			
Ran, Adee		Cisco	- +0	" 040	See co	omment #710 for	justification		
Comment T	Туре Е	Comment Status D			Comm	ent type changed	d to non-R due to post-deadline	e status.	
		of this subclause is compo			C/ 165	SC 165.4.2.2	P 91	L 30	# 337
		agram in this subclause, on I assume these variable de			Maguire, V	/alerie	Copperopolis		
	ms defined elsew			,	Comment		Comment Status D		EZ
There i	is no need for this	s "conventions" subclause.			Interfa	ce is capitalized v	when appearing after "MDIO" (see claus	se 45 header).
Suggested					Suggestea	Remedy			
					••		a all with IMDIO later face!		
00	subclause 165.3.	.9.4.1.			Replac	ce, "MDIO interfa	ce" with "MDIO Interface"		
Delete		-			Replac Proposed		Response Status W		
Delete Proposed F		Response Status W			Proposed		Response Status W		
Delete Proposed F PROPO	Response OSED ACCEPT I	Response Status W			Proposed PROP	Response OSED ACCEPT.	Response Status W	/ 31	# 429
Delete Proposed F	Response OSED ACCEPT I	Response Status W			Proposed PROP	Response OSED ACCEPT. SC 165.4.2.2	Response Status W	L 31	# [429
Delete Proposed F PROP(===== Reason	Response OSED ACCEPT I n: Because the st	Response Status W N PRINCIPLE. ubclauses just reference 14			Proposed PROP CI 165 Wienckow	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie	Response Status W P91 General Motors		
Delete Proposed F PROP(===== Reason statem	Response OSED ACCEPT I n: Because the su	Response Status W N PRINCIPLE. ubclauses just reference 14 ence is not made, this subc	lause is necessa	ary. Without it, the	Proposed PROP CI 165 Wienckow Comment	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie	Response Status W P91 General Motors Comment Status D		# 429 EZ
Delete Proposed F PROP(===== Reason statem require	Response OSED ACCEPT I n: Because the su lent about preced iments aren't clea	Response Status W N PRINCIPLE. ubclauses just reference 14	lause is necessa	ary. Without it, the	Proposed PROP C/ 165 Wienckow Comment 45.2.1	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie <i>Type</i> E .7.4 is in the draft	Response Status W P91 General Motors Comment Status D		
Delete Proposed F PROPO ====== Reason statem require Change	Response OSED ACCEPT I n: Because the su ent about preced ements aren't clea e:	Response Status W N PRINCIPLE. ubclauses just reference 14 ence is not made, this subc	lause is necessa	ary. Without it, the	Proposed I PROP Cl 165 Wienckow Comment 45.2.1 Suggested	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie Type E .7.4 is in the draft Remedy	Response Status W P91 General Motors Comment Status D t.		
Delete Proposed F PROPO ===== Reason statem require Changu "is corr to:	Response OSED ACCEPT I In: Because the superior about preceder ements aren't clea e: nposed of"	Response Status W N PRINCIPLE. ubclauses just reference 14 ence is not made, this subc r in the case of conflict. Ho	lause is necessa	ary. Without it, the	Proposed I PROP Cl 165 Wienckow Comment 45.2.1 Suggested Chang	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie Type E .7.4 is in the draft Remedy	Response Status W P91 General Motors Comment Status D		
Delete Proposed F PROPO ===== Reason statem require Changu "is corr to:	Response OSED ACCEPT I n: Because the su ent about preced ements aren't clea e:	Response Status W N PRINCIPLE. ubclauses just reference 14 ence is not made, this subc r in the case of conflict. Ho	lause is necessa	ary. Without it, the	Proposed I PROP Cl 165 Wienckow Comment 45.2.1 Suggested Chang	Response OSED ACCEPT. SC 165.4.2.2 ski, Natalie Type E .7.4 is in the draft Remedy e "45.2.1.7.4" to 138L35	Response Status W P91 General Motors Comment Status D t.		

C/ 165 SC 165.4.2.2

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C/ 165 SC 165.4.2.3	P 92	L 9	# 338		C/ 165 SC 10	65.4.2.4	P 92	L 20	# 719
Maguire, Valerie	Copperopolis				Jonsson, Ragnar		Marvell		
21	Comment Status D en appearing after "MDIO" (see clause 45	header).	EZ	· · · //· ·		mment Status D IY frames per PHY fra		st-deadline, partial frame PHY frame has 8 RS-
Replace, "MDIO interface'					SuggestedRemedy Change "16th"	to "32nd", 175	550 to 36270, and 176	45 to 36365	
Proposed Response F PROPOSED ACCEPT.	Response Status W				Proposed Respons PROPOSED A	e Res	ponse Status W		
C/ 165 SC 165.4.2.3 Wienckowski, Natalie	P 92 General Motors	L 10	# 430		See comment #		cation		
Comment Type E	Comment Status D			ΕZ	Comment type	changed to no	on-R due to post-dead	line status.	
45.2.1.7.5 is in the draft.					C/ 165 SC 10	5.4.2.4.2	P 93	L1	# 550
SuggestedRemedy					Ran, Adee		Cisco		
Change "45.2.1.7.5" to bla	ck and make it a hyperlink.				Comment Type	E Co	mment Status D		E
Proposed Response F PROPOSED ACCEPT.	Response Status W				Unnecessary c capitalized.	apitalization in	"Frame Delimiter", es	peically in the te	xt where "start" is not
C/ 165 SC 165.4.2.3	P 92	L10	# 646		SuggestedRemedy Change to "frar		n heading and text.		
McClellan, Brett Comment Type E incorrect reference for the	Marvell Comment Status D 802.3-2022 base			EZ	Proposed Respons PROPOSED A		ponse Status W		
SuggestedRemedy change 45.2.1.193.7 to 45	.2.1.243.7				C/ 165 SC 10 Ran, Adee	5.4.2.4.2	P 93 Cisco	L3	# 551
Proposed Response F PROPOSED ACCEPT.	Response Status W				51		<i>mment Status</i> D n subsequent subclau	ises it is "Octx" (;	EZ x=4 and above).
C/ 165 SC 165.4.2.3	P 92	L 31	# 431		SuggestedRemedy Change to be c		way or another.		
51	General Motors <i>Comment Status</i> D 1.193.7 doesn't exist in 802			EZ	Proposed Respons PROPOSED A		ponse Status WIINCIPLE.		
SuggestedRemedy Change :45.2.1.193.7" to '	45.2.1.243.7".				Change to "Oct	et" for consist	ency.		
Proposed Response	Response Status W								

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

C/ 165 SC 165.4.2.4.2 Page 52 of 78 8/19/2022 3:34:41 PM

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C/ 165 SC 165.4.2.4.3 P93 L9 # 720	C/ 165 SC 165.4.2.4.6 P94 L 50 # 647
Jonsson, Ragnar Marvell	McClellan, Brett Marvell
Comment Type T Comment Status D post-deadline, partial frame	Comment Type TR Comment Status D
There should be 32 partial PHY frames per PHY frame, where each PHY frame has 8 RS- FEC frames.	"DataSwPFC24 shall be set to an integer multiple of 32. When the value of DataSwPFC24 is a multiple of 16 the switch from PAM2 to PAM4 occurs on a PHY frame boundary."
SuggestedRemedy	The L=8 superframe boundary is at multiples of 32.
Change 16 to 32 in line 9, change 16th to 32nd in line 10, and change 15 to 31 in line 11	SuggestedRemedy change text to: "DataSwPFC24 shall be set to an integer multiple of 32. When the value of
Proposed Response Response Status W PROPOSED ACCEPT.	DataSwPFC24 is a multiple of 32 the switch from PAM2 to PAM4 occurs on a L=8 superframe boundary."
See comment #710 for justification	Proposed Response Response Status W
,	PROPOSED ACCEPT IN PRINCIPLE.
Comment type changed to non-R due to post-deadline status.	Changes per text + update PICS
C/ 165 SC 165.4.2.4.5 P93 L 49 # 552	C/ 165 SC 165.4.2.4.6 P94 L51 # 471
Ran, Adee Cisco Comment Type E Comment Status D EZ	Tu, Mike Broadcom
"When <condition" "if".<="" "then"="" "then".="" after="" be="" by="" followed="" is="" not="" should="" td="" used=""><td>Comment Type TR Comment Status D</td></condition">	Comment Type TR Comment Status D
	The DataSwPFC24 should be a multiple of 32, not 16.
Also in 165.4.2.4.6 and 165.4.2.4.7.	SuggestedRemedy
SuggestedRemedy Delete "then" in these 3 places, or change "When" to "If"	Change this sentence to: "When the value of DataSwPFC24 is a multiple of 32 the switch from PAM2 to PAM4
Proposed Response Response Status W	occurs on a PHY frame boundary."
PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W PROPOSED ACCEPT.
Delete "then" in these 3 places	
	C/ 165 SC 165.4.2.4.6 P94 L 51 # 721
	Jonsson, Ragnar Marvell
	Comment Type T Comment Status D post-deadline, partial frame There should be 32 partial PHY frames per PHY frame, where each PHY frame has 8 RS- FEC frames.
	SuggestedRemedy
	Change 16 to 32.
	Proposed Response Response Status W
	PROPOSED ACCEPT.
	See comment #710 for justification

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/165Page 53 of 78COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC1658/19/2022 3:34:41 PMSORT ORDER: Clause, Subclause, page, line

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		•			• ·			
C/ 165 SC 165.4.2.4		L 50	# 686	C/ 165	SC 165.4.2.4			# 692
Razavi Majomard, Seid Alii				Jonsson, F	0	Marvel		
Comment Type E the definition of timing-	Comment Status I lock should be moved		EZ	Comment T The 40		Comment Status	,	<i>ost-deadline, 40ms to 30n</i> uld be changed to 30ms.
like ranges on first read	henever SLAVE opera g_lock_OK=1." <i>Response Status</i> .10 <i>P</i> 96 Cisco <i>Comment Status</i> I 165-9 are given as exp and the values are not	L 5 D It is unclear v	s the MASTER timing # 553	Response ACCEF Comm	e 40ms to 30ms PT. ent type changed atistics from DV 1 NN: 2 SC 165.4.2.4 . Ragnar		t-deadline status. L 18	# 693 ost-deadline, 40ms to 30r
Also in Table 165-10. SuggestedRemedy Change the expression Proposed Response PROPOSED ACCEPT Change the expression	Response Status N IN PRINCIPLE.	W	n the text if necessary.	Suggested change Response ACCEF	Remedy 40ms to 30ms PT.	Response Status	n is too long. It sho C	uld be changed to 30ms.
C/ 165 SC 165.4.2.4	.10 P96	L 5	# 687	Comm	ent type changed	to non-R due to post	-deadline status.	
Razavi Majomard, Seid Alii Comment Type T The 40ms for half-duple SuggestedRemedy change 40ms to 30ms Response	Comment Status		40ms to 30ms	Vote si YES: 1 NO: 1 ABSTA		_ (Motion #1):		
ACCEPT. Vote statistics from DV YES: 11 NO: 1 ABSTAIN: 2	L (Motion #1):							
	d ED/aditatial require	d CD/general required	T/technical E/editorial G/a	ionorol			CI 165	Page 54 of 78

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/ 165 SC 165.4.2.4.10 Page 54 of 78 8/19/2022 3:34:41 PM

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7 165 SC 165.4.2.4.10 P96	L18	# 688	C/ 165 SC 165.4.2.6.1	P 98	L 21	# 432	
azavi Majomard, Seid Alireza Marvel			Wienckowski, Natalie	General Moto	rs		
comment Type T Comment Status A		40ms to 30ms	Comment Type E Co	omment Status D			
The 40ms for half-duplex is too long.			98.5.1 is in the draft				
uggestedRemedy			SuggestedRemedy				
change 40ms to 30ms			Change "98.5.1" to black and	d make it a hyperlink.			
esponse Response Status C			Also P98L24, P98L27	_			
ACCEPT.				sponse Status W			
Vote statistics from DVL (Motion #1):			PROPOSED ACCEPT.				
YES: 11			C/ 165 SC 165.4.3	P101	L 15	# 555	-
NO: 1 ABSTAIN: 2			Ran, Adee	Cisco			
-		<u> </u>	Comment Type T Co	omment Status D			
7 165 SC 165.4.2.6 P96	L 53	# 554	165.4.3 and its subclauses a	ire gratuitous content ar	nd a burden for r	readers.	
tan, Adee Cisco			165.4.3.1 is not referred to b	v anv other subclause	and has one nor	rmative requireme	nt
comment Type T Comment Status D			that points to 165.5.3 (which				m
"The frequency of the SEND_S signal shall be 70	3.125 MHz"			and the second second for solar		here and a discussion	
It is probably the nominal signaling rate, or the no "signal" (which we typically call "pattern").	minal frequency of	the clock driving the	165.4.3.2 has no normative subclause.	requirements and is also	o not referred to	by any other	
The frequency can be within the range defined in	165.5.3.6.		SuggestedRemedy				
uggestedRemedy			Delete 165.4.3 and its subcla	auses, or move the cont	tent to an inform	ative annex.	
Change "The frequency of the SEND_S signal shat the SEND_S signal is".	all be" to "The nom	ninal signaling rate of	Alternatively, if there is some specification) it should be pla		MDI (e.g. mech	nanical connnector	
Consider changing "signal" to "pattern".			Proposed Response Re-	sponse Status W			
roposed Response Response Status W			PROPOSED REJECT.				
PROPOSED ACCEPT IN PRINCIPLE.			The existing text provides ex	planation of how MDI e	ncoding works a	und it is valuable to	зa
			reader. On the other hand, the				
Change "The frequency of the SEND_S signal shi the SEND_S signal is".	all be" to "The nom	ninal signaling rate of	Annex.				

C/ 165 SC 165.4.3

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P 101	L 33	# 433	C/ 165 SC 165.4.3.1	P 108	L 35	# 599	
General Motors	6		Jonsson, Ragnar	Marvell			
Comment Status D		EZ	Comment Type E Co	omment Status D			E
						ote is probably	
					-		
			If the note is needed, the sug				
Response Status W			· · ·	-	tion to quiet refre	esn signaling.	
			, , ,	sponse Status W			
P 101	L 33	# 648					
Marvell					comment was re	ejected, there is no)
Comment Status D		EZ			1.00	# 005	
					L 29	# 685	_
			•				E
					m		E2
Response Status W			u –	file state diagram			
			,	4.1 should be moved t	o clause 165 4 2	A 10 startup	
P 101	L34	# 694	sequence, page 95, line 50		0 012030 100.4.2		
-	• •		Proposed Response Res	sponse Status W			
Comment Status D		post-deadline. EZ	PROPOSED ACCEPT.				
n QR		1	C/ 165 SC 165.4.4.1	P103	L 30	# 649	
			McClellan, Brett	Marvell			
gnalling" to "quiet refresh sig	nalling"		Comment Type T Co	omment Status D			EZ
Response Status W			timing_lock_OK is defined but	ut never used as a state	e machine variab	ble	
			SuggestedRemedy				
			delete definition for timing_lo	ock_OK			
			Proposed Response Re. PROPOSED ACCEPT.	sponse Status W			
i	General Motors Comment Status D g or quietre fresh signalling, uiet refresh signalling, Response Status W P101 Marvell Comment Status D t ^t Response Status W P101 Marvell Comment Status D in QR	General Motors Comment Status D g or quietre fresh signalling, uiet refresh signalling, Response Status W P101 L33 Marvell Comment Status D t' Response Status W P101 L34 Marvell Comment Status D in QR ignalling" to "quiet refresh signalling"	General Motors EZ Comment Status D EZ g or quietre fresh signalling, uiet refresh signalling, Exercise Status W P101 L 33 # 648 Marvell Marvell EZ Comment Status D EZ * Response Status W P101 L 34 # 694 Marvell Marvell post-deadline, EZ * Comment Status D post-deadline, EZ * in QR post-deadline, EZ	General Motors Jonsson, Ragnar Comment Status D EZ g or quietre fresh signalling, uiet refresh signalling, EZ Response Status W Marvell Comment Status D EZ P101 L 33 # 648 Marvell EZ Comment Status D EZ P101 L 33 # 648 Marvell EZ Comment Status D EZ Response Status W EZ P101 L 34 # 694 Marvell EZ Comment Status D EZ P101 L 34 # 694 Marvell EZ Comment Type E Comment Status D post-deadline, EZ Comment Type E Marvell post-deadline, EZ Proposed Response Comment Status D post-deadline, EZ Proposed Response Marvell comment Type T C Comment Status D post-deadline, EZ Comment Type T Marvell Collabored Response Re PROPOSED ACCEPT. C/ C/ Cl 165 S	General Motors EZ Comment Status D EZ Or quietre fresh signalling, uiet refresh signalling, uiet refresh signalling, A note was dropped during comment resolution for nonecessary, but a possible text for the note is sugg suggestedRemedy P101 L33 # 648 Marvell EZ Comment Status D EZ P101 L33 # 648 Marvell EZ Comment Status D EZ Response Status W PROPOSED REJECT. This is a copy of comment #333 against D1.3. That change in position of the TF. C/ 165 C/ 165 SC 165.4.4.1 P103 Razavi Majomard, Seid Alireza Marvel Comment Status D post-deadline, EZ Marvell comment Status D post-deadline, EZ Comment Status D post-deadline, EZ PROPOSED ACCEPT. Ganalling" to "quiet refresh signalling" post-deadline, EZ C/ 165 Response Status W PROPOSED ACCEPT. C//// 165 General Motors Warvell Comment Type T Comment Status D In QR comment Status W PROPOSED ACCEPT. C/// 165 SC 165.4.1 P103 </td <td>General Motors EZ Comment Status D EZ Or quietre fresh signalling, uiet refresh signalling, Response Status W A note was dropped during comment resolution for draft 1.2. This ne unnecessary, but a possible text for the note is suggested. P101 L33 # 648 Marvell Suggested Remedy Comment Status D EZ P101 L33 # 648 Marvell Comment Status D EZ Comment Status D EZ Cl 165 SC 165.4.4.1 P103 L29 Response Status W Froposed Response Response Status D timing-lock_OK is not mentioned in the state diagram SuggestedRemedy In QR post-deadline, EZ Cl 165 SC 165.4.1 P103 L29 Response Status W Post-deadline, EZ Comment Type E Comment Status D timing-lock_OK is not mentioned in the state diagram SuggestedRemedy In QR post-deadline, EZ Cl 165 SC 165.4.1 P103 L29 Response Status W PROPOSED ACCEPT. Cl 165 SC 165.4.1 P103 L30 Marvell Comment Type T Comment Status D timing_lock_OK Tomment Ts</td> <td>General Motors EZ Comment Status D EZ Comment Status D Segment Status D g or quietre fresh signalling, uietr efresh signalling, response Status W A note was dropped during comment Tesolution for draft 1.2. This note is probably unnecessary, but a possible text for the note is suggested. P101 L 33 # 648 Marvell Comment Status W P101 L 33 # 648 Marvell EZ Comment #333 against D1.3. That comment was rejected, there is ne change in position of the TF. Comment Status D EZ P101 L 34 # 648 Marvell Comment Status D P101 L 34 # 664 Marvell Comment Status D P101 L 34 # 664 Marvell Comment Status D Comment Status D post-deadline, EZ In QR post-deadline, EZ Cl 165 SC 165.4.4.1 P103 L 34 Ignalling" to "quiet refresh signalling" post-deadline, EZ In QR post-deadline, EZ Cl 165 <</td>	General Motors EZ Comment Status D EZ Or quietre fresh signalling, uiet refresh signalling, Response Status W A note was dropped during comment resolution for draft 1.2. This ne unnecessary, but a possible text for the note is suggested. P101 L33 # 648 Marvell Suggested Remedy Comment Status D EZ P101 L33 # 648 Marvell Comment Status D EZ Comment Status D EZ Cl 165 SC 165.4.4.1 P103 L29 Response Status W Froposed Response Response Status D timing-lock_OK is not mentioned in the state diagram SuggestedRemedy In QR post-deadline, EZ Cl 165 SC 165.4.1 P103 L29 Response Status W Post-deadline, EZ Comment Type E Comment Status D timing-lock_OK is not mentioned in the state diagram SuggestedRemedy In QR post-deadline, EZ Cl 165 SC 165.4.1 P103 L29 Response Status W PROPOSED ACCEPT. Cl 165 SC 165.4.1 P103 L30 Marvell Comment Type T Comment Status D timing_lock_OK Tomment Ts	General Motors EZ Comment Status D EZ Comment Status D Segment Status D g or quietre fresh signalling, uietr efresh signalling, response Status W A note was dropped during comment Tesolution for draft 1.2. This note is probably unnecessary, but a possible text for the note is suggested. P101 L 33 # 648 Marvell Comment Status W P101 L 33 # 648 Marvell EZ Comment #333 against D1.3. That comment was rejected, there is ne change in position of the TF. Comment Status D EZ P101 L 34 # 648 Marvell Comment Status D P101 L 34 # 664 Marvell Comment Status D P101 L 34 # 664 Marvell Comment Status D Comment Status D post-deadline, EZ In QR post-deadline, EZ Cl 165 SC 165.4.4.1 P103 L 34 Ignalling" to "quiet refresh signalling" post-deadline, EZ In QR post-deadline, EZ Cl 165 <

C/ 165 SC 165.4.4.1

C/ 165	SC 165.4.5	P 106	L 23	# 659		C/ 165	SC 16	5.5.1	F	°107	L 5	# 557
Wu, Peter		Marvell				Ran, Adee			Cis	со		
Comment Ty	pe E	Comment Status D			ΕZ	Comment Ty	/pe 1	Г	Comment Statu	is R		PMA definition structure
- 0		laced with_25GigT1							nal specifications, nsmit functionality			nder 165.4.2.2 (they
and link_ (Figure 9 variables link_statu	The variables I status_mGigT 8–7) if the opti link_control a us_25GigT1, re	ink_control and link_status a 1, respectively, by the Auto-Nonal Auto-Negotiation function and link_status are designated spectively, by the Auto-Negotiation function	Negotiation Arbi on is implement d as link_contro otiation Arbitrati	itration state diagrar ed> NOTE—The I_25GigT1 and ion state diagram	m	Add a re mode or	5.5.1 to	to the			ch currently or	nly has normal operation
Proposed Re		Response Status W				Response REJECT	г.		Response Statu	s C		
	SED ACCEPT.	P 107	L1	# 556					5 structure follows 2.3-2022.	closely the	e structure use	d for other BASE-T/T1
Ran, Adee		Cisco				C/ 165	SC 16	5.5.1	F	°107	L37	# 558
Comment Ty _l Shouldn'		Comment Status R al specifications be under the	e PMA main sub	PMA definition stru oclause (165.4)?	ucture	Ran, Adee Comment Ty	/pe 1	r	Cis Comment Statu			
SuggestedRe Consider	-	erarchy of 165.5 to become	165.4.6.				, PHY sha	ll provic	de access to a freq		luced version o	of the transmit symbol
Response		Response Status C				"reduced	d versior	n" and "	'or" are unclear.			
REJECT						"ΤΧ ΤΟ	IK 879	is equa	al to 878.90625 MH	17"		
	ent Clause 165 n IEEE Std 80	structure follows closely the 2.3-2022.	structure used	for other BASE-T/T	Γ1	_	_	•	ts frequency. And		l exact value w	ith no tolerance.
						SuggestedR	emedy					
							Y shall p sor 16, r	referred				s transmit symbol clock, ncy of TX_TCLK_879 is
						Proposed R	esponse	9	Response Statu	s W		
						PROPO	SED AC	CEPT	IN PRINCIPLE.			

C/ 165 SC 165.5.1

C/ 165 SC 165.5.1 P107 L 38 # 515	C/ 165	SC 165.5.1.1	P 108	L14	# 560
Grow, Robert RMG Consluting	Ran, Adee		Cisco		
Comment Type E Comment Status D EZ	Comment T	Гуре т	Comment Status D		
IEEE Style Manual 16.3.2 also says to use space separators to the right of the decimal point.	measur	rement instrume	ow test setups of transm nts. These are not test fi e Figure 97B–2, Figure 9	ixtures - which are s	ometimes part of test
SuggestedRemedy		ecified test fixtur		57 D=3, Figure 93=3)	This clause actually
If not changed to 0.878 906 25 GHz, should be 878.906 25 MHz.			.		
Proposed Response Response Status W PROPOSED REJECT.	l found perpetu		fixture" in this context in	n clause 149, but thi	s error should not be
	Suggested	Remedy			
This is an IEEE 802.3 exception to the IEEE style manual. https://www.ieee802.org/3/WG_tools/editorial/requirements/words.html#numbers	Change figure ti		itle to "Test setups" and	I change "fixture" to '	'setup" in the text and
In text, where this improves clarity, follow the IEEE Editorial Style Manual: Use spaces instead of commas between numbers in tens or hundreds of thousands (e.g., 62 000, 100	Proposed R PROPC	Response OSED ACCEPT.	Response Status W		
000, but 4000).	C/ 165	SC 165.5.1.1	P108	L 18	# 561
Digits to the right of the decimal point.	Ran, Adee		Cisco		
>>Do not include any separators in the digits to the right of the decimal point or include any	O ommont T	Type E	Comment Status D		
trailing zeros in tables or in text.<<	Comment T				
trailing zeros in tables or in text.<<			n only" - unclear. As opp	oosed to what?	
C/ 165 SC 165.5.1 P108 L8 # 559		ta communicatio	n only" - unclear. As opp	oosed to what?	
/ 165 SC 165.5.1 P108 L 8 # 559 Ian, Adee Cisco	"for dat Suggested	ta communicatio Remedy	n only" - unclear. As opp ans, or delete this phras		
E/ 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D	"for dat Suggested	ta communicatio <i>Remedy</i> clarify what it me			
165 SC 165.5.1 P108 L 8 # 559 tan, Adee Cisco tomment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable	"for dat SuggestedF Either c Proposed F	ta communicatio <i>Remedy</i> clarify what it me	ans, or delete this phras		
Sc 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-	"for dat. SuggestedF Either c Proposed R PROPC	ta communicatio Remedy Clarify what it me Response DSED REJECT.	ans, or delete this phras	e.	
Prior Prior L8 # 559 tan, Adee Cisco comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is	"for dat. SuggestedF Either c Proposed R PROPC	ta communicatio Remedy Clarify what it me Response DSED REJECT.	ans, or delete this phras Response Status W	e.	# 562
/ 165 SC 165.5.1 P 108 L 8 # 559 an, Adee Cisco omment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs"	"for dat. Suggestedf Either c Proposed R PROPC This sta	ta communicatio Remedy Clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1	ans, or delete this phras Response Status W data channel only, not th	e. ne control channel.	# 562
End 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits.	"for dat Suggested Either c Proposed R PROPC This sta C/ 165	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109	e. ne control channel.	# 562
C/ 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error	"for dat Suggested Either of Proposed R PROPO This sta C/ 165 Ran, Adee Comment T	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109 Cisco	e. ne control channel. L3	# <mark>562</mark>
A 165 SC 165.5.1 P 108 L 8 # 559 Atan, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits. Also, when performing such a test, here are typically two PHYs involved, not just one. Although the test mode is defined for a transmitter in one PHY, the rfer can only be measured in a receiver of the other PHY.	"for dat. Suggested Either of Proposed R PROPO This sta C/ 165 Ran, Adee Comment T Why is The tes	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1 Type T a balun required st setup in figure	ans, or delete this phras Response Status W data channel only, not th P109 Cisco Comment Status D I for measuring transmith 165-30 seems sufficient	ter jitter?	ed to specify a different
A 165 SC 165.5.1 P 108 L 8 # 559 Atan, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits. Also, when performing such a test, here are typically two PHYs involved, not just one. Although the test mode is defined for a transmitter in one PHY, the rfer can only be measured in a receiver of the other PHY.	"for dat. Suggested Either of Proposed R PROPO This sta C/ 165 Ran, Adee Comment T Why is The tes one; if a	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1 Type T a balun required st setup in figure anyone wants to	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109 Cisco <i>Comment Status</i> D I for measuring transmith 165-30 seems sufficient use a single-ended sco	ter jitter?	ed to specify a different
2/ 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits. Also, when performing such a test, here are typically two PHYs involved, not just one. Although the test mode is defined for a transmitter in one PHY, the rfer can only be measured in a receiver of the other PHY. SuggestedRemedy Change the quoted sentence to "Test mode 7 is for enabling measurement of the RS-FEC block error ratio of a link partner	"for dat. Suggestedf Either of Proposed R PROPO This sta C/ 165 Ran, Adee Comment T Why is The tes one; if a arguabl	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1 Type T a balun required st setup in figure anyone wants to ly be an equivale	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109 Cisco <i>Comment Status</i> D I for measuring transmith 165-30 seems sufficient use a single-ended sco	ter jitter?	ed to specify a different
Image: A 165 SC 165.5.1 P 108 L 8 # 559 Itan, Adee Cisco Itan, Adee Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits. Also, when performing such a test, here are typically two PHYs involved, not just one. Although the test mode is defined for a transmitter in one PHY, the rfer can only be measured in a receiver of the other PHY. uggestedRemedy Change the quoted sentence to "Test mode 7 is for enabling measurement of the RS-FEC block error ratio of a link partner in a link between two PHYs, including RS-FEC encoder and decoder, transmit and receive	"for dat Suggestedf Either of Proposed R PROPO This sta Cl 165 Ran, Adee Comment T Why is The tes one; if a arguabl Suggestedf	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1 Type T a balun required st setup in figure anyone wants to ly be an equivale Remedy	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109 Cisco <i>Comment Status</i> D I for measuring transmitt 165-30 seems sufficient use a single-ended sco ent setup.	ter jitter? t, and there is no nea pe they can do so wi	ed to specify a different th a balun - this would
2/ 165 SC 165.5.1 P 108 L 8 # 559 Ran, Adee Cisco Comment Type T Comment Status D "Test mode 7 is for enabling measurement of the bit error ratio of the link including the RS-FEC encoder/decoder, transmit and receive analog front ends of the PHY, and a cable connecting two PHYs" The description in the remainder of this paragraph implies that what is actually measured is the RS-FEC block error ratio (rfer), not the BER; each errored block is counted as an error once, not as the number of nonzero bits. Also, when performing such a test, here are typically two PHYs involved, not just one. Although the test mode is defined for a transmitter in one PHY, the rfer can only be measured in a receiver of the other PHY. SuggestedRemedy Change the quoted sentence to "Test mode 7 is for enabling measurement of the RS-FEC block error ratio of a link partner	"for dat Suggestedf Either of Proposed R PROPO This sta Cl 165 Ran, Adee Comment T Why is The tes one; if a arguabl Suggestedf	ta communicatio Remedy clarify what it me Response DSED REJECT. atement implies SC 165.5.1.1 Type T a balun required st setup in figure anyone wants to ly be an equivale Remedy figure 153-32 an	ans, or delete this phras <i>Response Status</i> W data channel only, not th <i>P</i> 109 Cisco <i>Comment Status</i> D I for measuring transmith 165-30 seems sufficient use a single-ended sco	ter jitter? t, and there is no nea pe they can do so wi	ed to specify a different th a balun - this would

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 165.5.1.1 8/19/2022 3:34:42 PM SORT ORDER: Clause, Subclause, page, line

C/ 165 SC 165.5.1.1 P109 L11 # 354	4 C/ 165 SC 165.5.2 P110 L1 # <u>695</u>
Fischer, Peter BKS Kabel-Service AG	Jonsson, Ragnar Marvell
Comment Type T Comment Status D Output of the balun should be specified	Comment Type T Comment Status A post-deadline, source lane Reference to laning is probably obsoleted, given that 802.3cy no longer supports 50Gbps and 100Gbps.
SuggestedRemedy Define output impedance for the balun in relation to the digital scope/ capturing de	SuggestedRemedy
Proposed Response Response Status W	Remove reference to laning
PROPOSED REJECT.	Response Response Status C ACCEPT IN PRINCIPLE.
No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022.	are taken See comment #435
C/ 165 SC 165.5.1.1 P109 L19 # 355	C/ 165 SC 165.5.2 P110 L1 # 435
Fischer, Peter BKS Kabel-Service AG	Wienckowski, Natalie General Motors
Comment Type T Comment Status D	Comment Type T Comment Status A source lane
Output of the balun should be specified	Remove refereces to the subscript "i" in the text.
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser	SuggestedRemedy Change: Note that the source lane (SL) signals SLi and SLi <n> are the positive and</n>
SuggestedRemedy	SuggestedRemedy Change: Note that the source lane (SL) signals SLi and SLi <n> are the positive and negative sides of the transmitter end's differential signal pair on lane i and the destination lane (DL) signals DLi and DLi<n> are the positive and negative sides of the receiver end's differential signal pair on lane i. To: Note that the source lane (SL) signals SL and SL<n> are the positive and negative</n></n></n>
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022.	Are taken SuggestedRemedy Change: Note that the source lane (SL) signals SLi and SLi <n> are the positive and negative sides of the transmitter end's differential signal pair on lane i and the destination lane (DL) signals DLi and DLi<n> are the positive and negative sides of the receiver end's differential signal pair on lane i. To: Note that the source lane (SL) signals SL and SL<n> are the positive and negative sides of the transmitter end's differential signal pair and the destination lane (DL) signals DLi and DLi<n> are the positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair.</n></n></n></n></n></n>
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P109 L 41 # 434	SuggestedRemedy Change: Note that the source lane (SL) signals SLi and SLi <n> are the positive and negative sides of the transmitter end's differential signal pair on lane i and the destination lane (DL) signals DLi and DLi<n> are the positive and negative sides of the receiver end's differential signal pair on lane i. To: Note that the source lane (SL) signals SL and SL<n> are the positive and negative sides of the transmitter end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair.</n></n></n></n></n>
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P 109 L 41 # 434 Wienckowski, Natalie General Motors Comment Type T Comment Status D	Are taken
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P109 L 41 Mienckowski, Natalie General Motors Comment Type T Comment Status D As only 1 pair is used, we don't need a subscript on the lines.	Are taken SuggestedRemedy Are taken Cl 165 SC 165.5.2 P115 L26 # 437
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P109 L 41 # 434 Wienckowski, Natalie General Motors Comment Type T Comment Status D As only 1 pair is used, we don't need a subscript on the lines. SuggestedRemedy	Are taken
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. Cl 165 SC 165.5.2 P109 L 41 Wienckowski, Natalie General Motors Comment Type T As only 1 pair is used, we don't need a subscript on the lines.	Are taken
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. Cl 165 SC 165.5.2 P 109 L 41 # 434 Wienckowski, Natalie General Motors Comment Type T Comment Status D As only 1 pair is used, we don't need a subscript on the lines. SuggestedRemedy In Figure 165-34, remove subscript "i" from SL, SL <n>, Signal , Signal<n>, and DL<n>.</n></n></n>	Are taken Are ta
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P 109 L 41 # 434 Nienckowski, Natalie General Motors Comment Type T Comment Status D As only 1 pair is used, we don't need a subscript on the lines. SuggestedRemedy In Figure 165-34, remove subscript "i" from SL, SL <n>, Signal , Signal<n>, and DL<n>.</n></n></n>	Are taken Are taken positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals DL and DL <n> are the positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals Are taken Are taken Are taken positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals Are taken Are taken Are taken positive and negative sides Are taken Are tak</n>
SuggestedRemedy Define output impedance for the balun in relation to the Spectrum analyser Proposed Response Response Status W PROPOSED REJECT. No specific value was proposed by the commenter. The test figures in 165.5.1.1 a from 149.5.1.1 IEEE Std 802.3-2022. C/ 165 SC 165.5.2 P 109 L 41 # 434 Wienckowski, Natalie General Motors Comment Type T Comment Status D As only 1 pair is used, we don't need a subscript on the lines. SuggestedRemedy In Figure 165-34, remove subscript "i" from SL, SL <n>, Signal , Signal<n> Proposed Response Response Status W</n></n>	SuggestedRemedy Change: Note that the source lane (SL) signals SLi and SLi <n> are the positive and negative sides of the transmitter end's differential signal pair on lane i and the destination lane (DL) signals DLi and DLi<n> are the positive and negative sides of the receiver end's differential signal pair on lane i. To: Note that the source lane (SL) signals SL and SL<n> are the positive and negative sides of the transmitter end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair and the destination lane (DL) signals DL and DL<n> are the positive and negative sides of the receiver end's differential signal pair. Response Response Status C ACCEPT. Cl 165 SC 165.5.2 P 115 L 26 # 437 Wienckowski, Natalie General Motors C grammar EZ SuggestedRemedy Change: is used C C</n></n></n></n></n>

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 165
 Page 59 of 78

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 165.5.2
 8/19/2022 3:34:42 PM

 SORT ORDER: Clause, Subclause, page, line
 SC
 SC
 165
 9/19/2022 3:34:42 PM

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 165 SC 165.5.2	P117	L 25	# 438		C/ 165	SC 165.5.3	P110) L 26	# 565
Nienckowski, Natalie	General Moto	rs			Ran, Adee		Cisco		
Comment Type E Clause 45 is in the dra	Comment Status D aft.			EZ	<i>Comment</i> "The e		Comment Status I all be AC-coupled")	
SuggestedRemedy Change "Clause 45" te	to black and make it a hyperlin	k.			A trans and ou		y output, but this is a fu	Ill-duplex PHY so the	re are no separate input
Proposed Response PROPOSED ACCEP	Response Status W				Suggested Chang	-	rase to "The transmitte	r shall be AC-coupled	1"
C/ 165 SC 165.5.3	P110	L	# 569		Proposed I PROP	•	Response Status N IN PRINCIPLE.	N	
Ran, Adee	Cisco			EZ	Chang	os por common	. Update PICS as need	lod	
	Comment Status D ansmitter operating above 14 (st 30 dB at the Nyquist frequer			an	C/ 165	SC 165.5.3	P11		# 566
	r specification for transmitter e				Ran, Adee		Cisco		
among the important high-loss channel can easily handled by the addition to placing un	ane and copper cable PHYs, tr Tx parameters; without specify o create a large precursor ISI a analog front end, and can imp necessary equalization burder plement Tx equalization than F	ving them, a slo t the receiver in act the linearity on receivers (w transmitter over hput. Such ISI is no of receiver circuits it is much cheaper i	a t s, in	subcla	ed connector pa use."	Comment Status I ir has been included in it? The MDI connector	the transmitter speci	EZ
uggestedRemedy		or oqualization,	-		Also in	Table 165-12.			
Consider adding a spe	ecification for transmitter maxi to 80%, as in 130.7.1, or may		time (a possible lin	nit	Suggested Clarify	-			
Consider adding a pre example of how this c	ecursor equalization function to can be specified.	the transmitte	r; see 130.7.1.10 fc	or an	Proposed I PROP	Response OSED REJECT.	Response Status	N	
Proposed Response	Response Status W				No spe	ecific changes w	ere proposed.		
PROPOSED REJECT	Г.				C/ 165	SC 165.5.3	P110) L 34	# 696
No specific changes v	were proposed at this time.				Jonsson, F	Ragnar	Marvell		
					Comment The sir	51	Comment Status I)	post-deadline, EZ
					Suggested Remov	-	ntence paragraph OR a	mend it such that its	meaning becomes clear.
					Proposed I PROP	Response OSED REJECT.	Response Status	N	
					Unclea	ar why / what in t	he indicated text is und	lear.	
•	red ER/editorial required GR/ lispatched A/accepted R/reje				0	U/unsatisfied		C/ 165 SC 165.5.3	Page 60 of 78 8/19/2022 3:34:42

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

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 165 SC 165.5.3.2	P110	L 5	# 563		C/ 165	SC 165.5.3.6	6 P110) L37	# 567
Ran, Adee	Cisco				Ran, Adee		Cisco		
Comment Type T	Comment Status D			ΕZ	Comment T	<i>уре</i> т	Comment Status	ס	
"SNDR distortion" - the '	'D" in SNDR stands for disto	ortion.			Is there	no specificatio	n for the Tx clock frequ	ency of the SLAVE P	PHY?
SuggestedRemedy Delete "distortion".					MASTE	R is in LPI mod	nort-term rate of variation de should be specified kely, the same maximu	- just as it is specified	smitter when the I for the MASTER (and
Proposed Response	Response Status W					iai ieasons) - ii	kely, the same maximu	ini fale can be used.	
PROPOSED ACCEPT.							o state that when the n al to that of the MASTE		ansmit mode, the SLAV
C/ 165 SC 165.5.3.3	P 110	L 25	# 564		SuggestedF	Remedy			
Ran, Adee	Cisco				Per con	nment			
Comment Type T	Comment Status D			ΕZ	Proposed R	Response	Response Status	N	
"Time Interval Error" - ca	apitalization is not needed.				PROPC	SED REJECT			
Also in 165.5.3.3.1 (line	36).					nano to tout neo	nanad		
SuggestedRemedy						nges to text pro	•		
Change to lower case.					C/ 165	SC 165.5.4.1	P110) L 52	# 568
Proposed Response	Response Status W				Ran, Adee		Cisco		
PROPOSED ACCEPT.					Comment T	51	Comment Status	-	
C/ 165 SC 165.5.3.4	P112	L 25	# 459				er RS-FEC decoding (shall" on the receiver'		er comments), and
John Abbott	Corning Incor		# 459			5		o input oightio	
Comment Type T	Comment Status D	porated		ΕZ	Also in	165.5.4.2.			
21	165-12 and 165-13 to claus	o 140 it coom	e to mo that the low		SuggestedF	Remedy			
frequency limit "5" in eq	uation 165-13 should scale er limit in clause 165 is the 1	as one goes fr	om 2.5 to 5 to 10 to	ei			EC frame error rate, wit ved" to "are expected t		Je.
	was used in clause 149 for		(1.0. 2000/3 - 2.0		Proposed R	Response	Response Status	N	
SuggestedRemedy					PROPC	DSED ACCEPT	IN PRINCIPLE.		
scale "5 MHz" in 165-13	if appropriate. Thank you!				Change	shall he recei	ved" to "are expected t	o be decoded". Unda	te PICS as needed
Proposed Response	Response Status W				Change				
PROPOSED REJECT.	-								

C/ 165 SC 165.5.4.1

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

	P114	L19	# 472		C/ 165	SC 165.5.5	P	114	L 35	# 734
Simms, Bill	NVIDIA				DiMinico,	Christopher	MC	Communicat	ions	
Comment Type E	Comment Status D			EZ	Comment	Туре т	Comment Status	6 D		post-deadlir
in figure 165.36, inclear v uggestedRemedy define 0.5m either in text roposed Response PROPOSED ACCEPT IN	or in notes for figure <i>Response Status</i> W NPRINCIPLE.				range the ME host te MHz <br fixture 165.5.	should be cons DI RL (5 MHz =<br est fixture theref /=f =10000 MH<br and DUT there 5.1 and 165.5.5	ore the test fixture sp iz based on D2.0. Thi fore I suggest keepin .2 for all test fixture s	ted. The host the link seg- pecifications s is range wou g the minimus pecifications	st test fixture ment test fixt should be at I Id not include im of 1 MHz o	is used to measure ure is used to validate east 5 margin between test
Add an arrow between D	ifferential directional couple	er and Receiver a	and mark is as "<0).5m"		dressed with the	MDI RL max.			
V 165 SC 165.5.4.2	P 114	L 30	# 510		Suggested	Remedy				
edarat, Hossein	Ethernovia				In 165	.5.5.3.1 Insertio	n loss equation(165–	.17) and (165	–18) change	min frequency to 1
comment Type TR	Comment Status D				MHz.			, ,	, 0	
	nd bandwidth are taken from ling bandwidth is 2.5x wider.		and are not correct	t for			loss equation(165–20 s subclause line 10.	0)change mir	n frequency to	o 1 MHz also include
	ing bandwidth is 2.5x wider.	•			In 165	.5.5.3.3 Mode (Conversion equation(
uggestedRemedy	2500 MULT with 8750 MULT	(2500*2 5) and	tranlaga 150 dDr	~/I I=	In 165	.5.5.3.4 Crossta	alk equation(165–22)	change min f	requency to 2	1 MHz.
	3500 MHz with 8750 MHz (intain the same noise powe			11/ 172	Proposed	Response	Response Status	w		
			Janawiatin							
Proposed Response	Response Status W				_		IN PRINCIPLE.			
			andwidin)		In 165 MHz. In 165 In 165	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode 0	Γ IN PRINCIPLE. n loss equation(165– loss equation(165–20 conversion equation(alk equation(165–22)c	0)change mir 165–21)chan	n frequency to ge min freque	o 1 MHz ency to 1 MHz.
Proposed Response			andwidin)		In 165 MHz. In 165 In 165	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode 0	n loss equation(165– loss equation(165–20 conversion equation(7 alk equation(165–22)	0)change mir 165–21)chan	n frequency to ge min freque	o 1 MHz ency to 1 MHz.
roposed Response			andwidin)		In 165 MHz. In 165 In 165	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta SC 165.5.5 .	n loss equation(165– loss equation(165–20 conversion equation(7 alk equation(165–22)	0)change mir 165–21)chan change min f 114	n frequency to ge min freque requency to	o 1 MHz ency to 1 MHz. 1 MHz.
roposed Response			, and what it is		In 165 MHz. In 165 In 165 <i>Cl</i> 165	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta SC 165.5.5 . Ragnar	n loss equation(165–20 loss equation(165–20 conversion equation(1 lk equation(165–22) 1 P1	0)change mir 165–21)chan change min f 114 vell	n frequency to ge min freque requency to	o 1 MHz ency to 1 MHz. 1 MHz. # 723
roposed Response					In 165 MHz. In 165 In 165 In 165 C/ 165 Jonsson, F Comment Unless	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta SC 165.5.5 . Ragnar <i>Type</i> E s there is specif to include this r	n loss equation(165–20 conversion equation(alk equation(165–22) 1 P1 Marv	D)change mir 165–21)chan change min f 114 vell D ving with the	n frequency to ge min frequency to contract of the second	o 1 MHz ency to 1 MHz. 1 MHz. # <u>723</u> <i>post-deadline, E</i> r 0.3334, it would be
Proposed Response			, and what it is a second s		In 165 MHz. In 165 In 165 In 165 C/ 165 Jonsson, F Comment Unless better	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta <i>SC</i> 165.5.5. Ragnar <i>Type</i> E s there is specif to include this r by 3.	n loss equation(165–20 conversion equation(alk equation(165–22) 1 P1 Mary Comment Status ic meaning in multiply	D)change mir 165–21)chan change min f 114 vell D ving with the	n frequency to ge min frequency to contract of the second	o 1 MHz ency to 1 MHz. 1 MHz. # <u>723</u> <i>post-deadline, E</i> r 0.3334, it would be
Proposed Response					In 165 MHz. In 165 In 165 In 165 <i>Cl</i> 165 Jonsson, F <i>Comment</i> Unless better divide <i>Suggested</i> Chang	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta SC 165.5.5. Ragnar <i>Type</i> E s there is specif to include this r by 3. <i>IRemedy</i> ge 0.09144 to 0. ame change sh	n loss equation(165–20 conversion equation(7 lk equation(165–22) 1 P1 Man <i>Comment Status</i> ic meaning in multiply nultiplication in the co	0)change mir 165–21)chan change min f 114 vell 5 D ving with the perficients of 0.17018, and	h frequency to ge min frequency to requency to 2 L 50 exact numbe the equation, remove "x0.3	o 1 MHz ency to 1 MHz. 1 MHz. # <u>723</u> <i>post-deadline, E</i> r 0.3334, it would be
Proposed Response					In 165 MHz. In 165 In 165 <i>Cl</i> 165 Jonsson, F <i>Comment</i> Unless better divide <i>Suggested</i> Chang 15). Se	.5.5.3.1 Insertio .5.5.3.2 Return .5.5.3.3 Mode C .5.5.3.4 Crossta SC 165.5.5. Ragnar <i>Type</i> E s there is specif to include this r by 3. <i>IRemedy</i> je 0.09144 to 0. ame change sh ent).	n loss equation(165–20 conversion equation(7 lk equation(165–22) 1 P1 Man <i>Comment Status</i> ic meaning in multiply nultiplication in the co	0)change mir 165–21)chan change min f 114 vell 5 D ving with the befficients of 0.17018, and ation (165-16	h frequency to ge min frequency to requency to 2 L 50 exact numbe the equation, remove "x0.3	o 1 MHz ency to 1 MHz. 1 MHz. # <u>723</u> <i>post-deadline, E</i> r 0.3334, it would be , or alternatively use 3334" in equation (165-

C/ 165 SC 165.5.5.1

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	P 115	L3	# 436	C/ 165	SC 165.7	P 118	L 4	# 570
Vienckowski, Natalie	General Motors	5		Ran, Adee		Cisco		
Comment Type E	Comment Status D		EZ	Comment	Гуре Т	Comment Status D		EZ
awkward working						s "single shielded balanced	pair of conductors	s", the second says
uggestedRemedy				"single	pair of shielde	d, balanced conductors".		
	insertion loss of the TP2 or T tion loss at TP2 or TP3 of the		:			language, or say it once.		
Proposed Response PROPOSED ACCEPT.	Response Status W					that is shielded (not each con saying because it is "pair", no		also balanced.
		1.00	" [Also, tl	ne term "link se	gment" appears in the headir	ng but not in the t	text.
/ 165 SC 165.5.2	P115	L 32	# 697	Suggested	Remedy			
onsson, Ragnar comment Type E	Marvell Comment Status D		post-deadline, EZ	Chang	e the text to			
Equation (165-16) is ider	ntical to (165-15), apart from he spec to define only one "tf		•	of cond	luctors that me	ned to operate over link segr et the requirements specified data rate of 25 Gb/s in each o	l in this subclause	e. This link segment
•• •	-16) and change "htfref" in eq	uation (165-15)	to "tfref"	Chang	e "link seamen	pair" to "link segment" acros	s the draft.	
Proposed Response	Response Status W	(,		Proposed I	•	Response Status W		
PROPOSED ACCEPT.				PROP	OSED ACCEP	, Г.		
				Comm	ent type chang	ed to T		
				C/ 165	SC 165.7.1.	1 P118	L18	# 698
				Cl 165 Jonsson, F		1 P118 Marvell	L18	# 698
					Ragnar		L 18	
				Jonsson, F <i>Comment</i> The su	Ragnar <i>Type</i> E bscript "MHz" i	Marvell	tions for "f" in this	post-deadline, EZ
				Jonsson, F Comment The su incons Suggested	Ragnar Type E bscript "MHz" i stent with line : Remedy	Marvell Comment Status D s inconsistent with other nota	tions for "f" in this quation (165-23)	post-deadline, EZ

C/ 165 SC 165.7.1.1

C/ 165	SC 165.7.1.1	P 118	L 18	# 571
Ran, Adee	Э	Cisco		
Comment	Type E	Comment Status D		EZ
	ation 165-23, f is o ion; f_MHz is unde	defined "in MHz", so the	ere is no need to ha	ve "MHz" in the
Suggested	dRemedy			
Chang	gfe "f_MHz" to "f" i	n the equation.		
Proposed	Response	Response Status W	,	
PROP	POSED ACCEPT.			
C/ 165	SC 165.7.1.1	P 118	L 22	# 460
John Abbo	ott	Corning	Incorporated	
Comment	Туре Т	Comment Status R		10G
max fr 2.5 foi	requency Fmax = 4 r 25Gb/s. Hence	4000*S (equation 149- clause 149 would lead	 where S=1 for 1 one to think clause 	165 should have
		0MHz., rather than 900		65-23 and elsewhere.
Suggested	-	in section 165.7.1.1 ar	d alaawhara aa aar	ropriato (if thora ia a
				be even lower ?) Thank
you!				,
Response		Response Status C		
REJE	CT.			
No co	nsensus to make	his change based on t	he data presented to	o the TF by the cabling
		z cutoff does provide si	•	, ,

C/ 165 S	SC 165.7.1.1	P 118	L 27	# 572
Ran, Adee		Cisco		
Comment Typ	ет	Comment Status D		

"The insertion loss is illustrated in Figure 165–40"

Figure 165-40 does not illustrate an insertion loss of any link segment. It illustrates the limit imposed by equation 165-23.

SuggestedRemedy

Change the first sentence to "The insertion loss of a 25GBASE-T1 link segment shall meet Equation (165–23) as illustrated in Figure 165-40".

In the figure add a label "meets equation constraints" above the curve, and change the title to "Link segment insertion loss limit".

Delete the quoted sentence.

Proposed Response	Response Status	w
PROPOSED ACCEPT	IN PRINCIPLE.	

Changes per comment. Update PICS as needed.

C/ 165	SC 165.7.1.1	P118	<i>L</i> Figure	# 593
Stephan S	Schreiner	Rosenberger	Hochfrequenztechn	ik
Comment X-Axes	<i>Type</i> E s Grid is very de	Comment Status D		EZ
Suggested Using	,	of 500 MHz for the grid inst	ead of 250 MHz.	
Proposed	Response	Response Status W		

PROPOSED ACCEPT.

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C/ 165	SC 165.7.1.2	P 119	L 3	# 573	C/ 165 SC 165.7	.1.3.1	P119	L 23	# 575	
Ran, Adee		Cisco			Ran, Adee		Cisco			
Comment Typ	pe T	Comment Status D			Comment Type E	Comment	Status D			ΕZ
	rential charateri appear before 1	stic impedance should apply 165.7.1.1.	y to the insertio	n loss specification, so	Font size mismatcl Also in 165.7.1.3.1					
This state	ement does not	need a standalone subclau	se, it can be ad	ded to 165.7.1.	SuggestedRemedy Correct the font siz	e				
Also, the	statement is re	peated in 165.7.1.3.1.			Proposed Response	Response	Status W			
SuggestedRe	emedy				PROPOSED ACCE	,				
Move the	e content of this	subclause to 165.7.1 and d	elete this subcla	ause heading.	C/ 165 SC 165.7	.1.3.1	P119	<i>L</i> Figure	# 594	
		e reference impedance for t	he return loss s	specification is 100 Ω " in	Stephan Schreiner		Rosenberger	Hochfrequenztech		
165.7.1.3		_			Comment Type E	Comment	Status D			ΕZ
Proposed Re-	esponse	Response Status W			<i>,</i>	at 1 MHz which is	different to the	figures before and	d after.Additiona	ully,
	SED ACCEPT.				the X-Axis Grid is v			inguice belefe and		
PROPOS	SED ACCEPT.	P119	L5	# 574						
PROPOS C/ 165 Ran, Adee	SC 165.7.1.3	Cisco	L 5	# 574	the X-Axis Grid is v	ery dense.				stead
PROPOS Cl 165 Ran, Adee Comment Typ	SC 165.7.1.3		-		the X-Axis Grid is v SuggestedRemedy Start the frequency	ery dense. grid at 0 MHz an <i>Response</i>	id use a frequer			istead
PROPOS Cl 165 Ran, Adee Comment Typ The term The other reflection	SC 165.7.1.3 pe E "Return loss" is r subclauses un as as well as ins	Cisco Comment Status D s strictly adequate for the co nder 165.7.1.3 discuss parar ertion loss between them, s	ontent of 165.7.	1.3.1. dependent on	the X-Axis Grid is v SuggestedRemedy Start the frequency of 250 MHz Proposed Response PROPOSED ACCE CI 165 SC 165.7	ery dense. grid at 0 MHz an <i>Response</i> EPT.	d use a frequer Status W P 119	L Figure	Iz for the grid in	nstead
PROPOS Cl 165 Ran, Adee Comment Typ The term The other reflection "Return to	SC 165.7.1.3 pe E "Return loss" is r subclauses un is as well as ins oss". This hiera	Cisco Comment Status D s strictly adequate for the co nder 165.7.1.3 discuss parar	ontent of 165.7.	1.3.1. dependent on	the X-Axis Grid is v SuggestedRemedy Start the frequency of 250 MHz Proposed Response PROPOSED ACCE Cl 165 SC 165.7 Stephan Schreiner	rery dense. grid at 0 MHz an <i>Response</i> EPT. .1.3.1	nd use a frequer Status W P119 Rosenberger	ncy step of 500 MH	Iz for the grid in	
PROPOS Cl 165 Ran, Adee Comment Typ The term The other reflection "Return to Suggested Re	SC 165.7.1.3 pe E "Return loss" is r subclauses un s as well as ins oss". This hieran emedy	Cisco Comment Status D s strictly adequate for the co nder 165.7.1.3 discuss parar ertion loss between them, s	ontent of 165.7. meters that are o they should n	1.3.1. dependent on not be grouped under	the X-Axis Grid is v SuggestedRemedy Start the frequency of 250 MHz Proposed Response PROPOSED ACCE CI 165 SC 165.7 Stephan Schreiner Comment Type E	rery dense. grid at 0 MHz an <i>Response</i> EPT. .1.3.1 <i>Comment</i>	d use a frequer Status W P119 Rosenberger Status D	L Figure	Iz for the grid in	
PROPOS Cl 165 Ran, Adee Comment Typ The term The other reflection "Return to Suggested Re	SC 165.7.1.3 pe E "Return loss" is r subclauses un s as well as ins oss". This hieran emedy	Cisco Comment Status D s strictly adequate for the conder 165.7.1.3 discuss parar ertion loss between them, s rchy should be flattened.	ontent of 165.7. meters that are o they should n	1.3.1. dependent on not be grouped under	the X-Axis Grid is v SuggestedRemedy Start the frequency of 250 MHz Proposed Response PROPOSED ACCE CI 165 SC 165.7 Stephan Schreiner Comment Type E There is a vertical I	rery dense. grid at 0 MHz an <i>Response</i> EPT. .1.3.1 <i>Comment</i>	d use a frequer Status W P119 Rosenberger Status D	L Figure	Iz for the grid in	EZ
PROPOS Cl 165 Ran, Adee Comment Typ The term The other reflection "Return to SuggestedRe Delete the loss".	SC 165.7.1.3 pe E "Return loss" is r subclauses un is as well as ins oss". This hieran emedy the subclause here subclauses 165	Cisco Comment Status D s strictly adequate for the conder 165.7.1.3 discuss parar ertion loss between them, s rchy should be flattened.	ontent of 165.7. meters that are o they should n ng its content in	1.3.1. dependent on not be grouped under nto 165.7.1.3 "Return	the X-Axis Grid is v SuggestedRemedy Start the frequency of 250 MHz Proposed Response PROPOSED ACCE CI 165 SC 165.7 Stephan Schreiner Comment Type E	rery dense. grid at 0 MHz an <i>Response</i> EPT. 7.1.3.1 <i>Comment</i> blue line at the 1 l	d use a frequer Status W P119 Rosenberger Status D MHz position.	L Figure	Iz for the grid in	

C/ 165 SC 165.7.1.3.1

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C/ 165 SC 165.7.1.3.2 P120	<i>L</i> 1	# 699	C/ 165 SC 165.7.1.3.2	P 120	L 6	# 392
Jonsson, Ragnar Marvell			Marris, Arthur	Cadence Desig	n Systems	
Comment Type E Comment Status D the word "Noise" should not be captialized		post-deadline, EZ	Comment Type ER Con XXX	nment Status D		EZ, Table 165-15
SuggestedRemedy Change "Noise" to "noise".			SuggestedRemedy Change name of "Table 165–1	5-XXX" to something	more meaningful	
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Resp PROPOSED ACCEPT IN PRI	oonse Status W NCIPLE.		
C/ 165 SC 165.7.1.3.2 P120	L 6	# 439	See comment #439			
Wienckowski, Natalie General Motors Comment Type E Comment Status D The table needs a title D		EZ, Table 165-15	C/ 165 SC 165.7.1.3.2 Hidaka, Yasuo	P 120 Credo Semicor	L6 nductor, Inc.	# 464
SuggestedRemedy Table 165-15-Echo Metrics Parameters			Comment Type E Con Missing caption of table 165-15 SuggestedRemedy	nment Status D 5.		EZ, Table 165-15
Proposed Response Response Status W PROPOSED ACCEPT.			Add a table caption such as "F	Parameters of echo met bonse Status W	rics."	
C/ 165 SC 165.7.1.3.2 P120 Ran, Adee Cisco	L 6	# 579	PROPOSED ACCEPT IN PRI	NCIPLE.		
Comment Type E Comment Status D The title of Table 165-15 seems like a placeholder.		EZ, Table 165-15	See comment #439 C/ 165 SC 165.7.1.3.2	P120	L 47	# 580
SuggestedRemedy Use an appropriate title.			Ran, Adee Comment Type T Con What is K in equation 165-27?	Cisco nment Status D		
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.			Table 165-15 has N but not K. SuggestedRemedy			
See comment #439			Correct if necessary.			
			Proposed Response Resp PROPOSED ACCEPT.	oonse Status W		
			Change to N			

C/ 165 SC 165.7.1.3.2

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C/ 165	SC 165.7.1.3.2	P 121	L 9	# 581		C/ 165	SC	165.7.1.3.	2 F	°121	L 36	# 704
Ran, Adee		Cisco				Jonsson, I	Ragnar		Ma	rvell		
Comment T	ype E	Comment Status D			EZ	Comment	Туре	т	Comment State	ıs D		post-deadline
to be se	en, others (like th	 1, 165-33 may need some to be subscript k in 165-31) are the rest of the equations. 				becom	ne too d	lifferent to	to the ETM algori be described in o o two separate se	ne sequer		lculations have steps. Therefore, they
SuggestedF	Remedy					Suggested	Remec	dy				
Improve	e if possible											ic (REM)" that includes
Proposed R	•	Response Status W						gh 5. Crea eps 6 throu		ction titled	"Calculating Ecr	no Tail Metric (ETM)"
PROPC	SED ACCEPT IN	PRINCIPLE.				Proposed	Respor	nse	Response Statu	s W		
		ease the equation size. The	ey were already	drawn as large		PROP	OSED	ACCEPT.				
· · ·	ns at this time.					Comm	nent typ	e changed	I to non-R due to	oost-dead	line status.	
C/ 165	SC 165.7.1.3.2	P 121	L13	# 582		C/ 165	SC	165.7.1.3.	2 F	°122	L 1	# 583
Ran, Adee	-	Cisco			F7	Ran, Adee	Э		Cis	со		
Comment T		Comment Status D uld be formatted as in the e	austion		EZ	Comment	Туре	Е	Comment State	ıs D		EZ
·	Pr in step 4		quation.						some tidying up. unaligned with the			to be seen. The Sigma
SuggestedF	Remedy					The de	elav is o	only require	ed for setting the	span of the	e residual echo	and the final result
Apply it	alic and subscript	formats as necessary.				should	d not be	very sens	itive to this estimation	te. There	fore perhaps the	process of estimating
Proposed R PROPC	esponse SED ACCEPT.	Response Status W				e.g. us	sing the	e length of t		approxima	te speed of light	uation. It can be done, in the medium, or
C/ 165	SC 165.7.1.3.2	P 121	L13	# 700		Suggested	Remea	ly				
Jonsson, R		Marvell	210	" 100		Tidy u	p the e	quation or	replace it with les	s prescrip	tive text.	
Comment T	9	Comment Status D		post-deadline	FZ	Proposed	Respor	nse	Response Statu	s W		
	n "hn" should be			poor doddiino	,	PROP	OSED	ACCEPT I	N PRINCIPLE.			
SuggestedF Change	Remedy "n" in "hn" to sub	script						empt to inc this time.	rease the equation	n size. Th	ey were already	drawn as large
Proposed R	esponse DSED ACCEPT.	Response Status W										

C/ 165 SC 165.7.1.3.2

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C/ 165 SC 165.7.1.3.2	P 122	L 21	# 701	C/ 165	SC 165.7.1.3	3.2 P122	L 26	# 703
Jonsson, Ragnar	Marvell			Jonsson, F	Ragnar	Marvell		
Comment Type T	Comment Status D	ost-de	eadline, equation 165-38	Comment	Туре Т	Comment Status D	ost-d	eadline, equation 165-38
	5-38) is different from the "F nfusing. It would be more a			of the I	ETM algorithm),	e no longer the same values so wording in Step 8 needs		be in previous version
SuggestedRemedy				Suggested				
Change "RE_k" in (165-3	38) to "PE_k"			0	e "associated R iated ETM."	EM. The ETM(m) is this REI	M evaluated at No	discard_etm." to
Proposed Response PROPOSED ACCEPT IN	Response Status W N PRINCIPLE.			Proposed I PROP	,	Response Status W		
See comment #584				See co	mment #584			
C/ 165 SC 165.7.1.3.2	P122	L 24	# 584	C/ 165	SC 165.7.1.3	3.2 P122	L 26	# 702
Ran, Adee	Cisco			Jonsson, F	Ragnar	Marvell		
5	Comment Status D I case of equation 165-38.		Equation 165-38	Comment The sig		Comment Status D not defined anywhere.	ost-d	eadline, equation 165-38
I assume the value shou	ld be 0.			Suggested	Remedy			
SuggestedRemedy				Add de	finition of "g_n^	m"		
Add "0" for the third case	9.			Proposed I	Response	Response Status W		
Proposed Response PROPOSED ACCEPT IN	Response Status W N PRINCIPLE.			PROP	OSED ACCEPT	IN PRINCIPLE.		
				See co	mment #584			
=====				C/ 165	SC 165.7.1.3	8.3 P122	L 29	# 586
	ation 165-38 (page 122, line		E_k(k) with g_n^m and	Ran, Adee		Cisco		
add U as the third value	- incorrect reproduction in	the drait		Comment	Гуре Е	Comment Status D		EZ
C/ 165 SC 165.7.1.3.2 Ran, Adee	P 122 Cisco	L 26	# 585		essary capitalizantroduced in 165	ation in "Residual Echo Metr 5.7.1.3.2.	ic". Also, the acro	onym REM has already
Comment Type T Step 8 mentions "partial	Comment Status D response g_n^m" but I dor)'t see where tha	<i>equation 165-38</i> t is defined.	Suggested Remov		ary capitalization and delete	"(REM)".	
SuggestedRemedy				Proposed I	Response	Response Status W		
	e g_n^m is defined, or defir	e it if it isn't.		PROP	OSED ACCEPT			
Proposed Response PROPOSED ACCEPT IN	Response Status W N PRINCIPLE.							
See comment #584								

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/ 165 SC 165.7.1.3.3 Page 68 of 78 8/19/2022 3:34:42 PM

IEEE P802.3cy D2.0 10G+ Auto Task Force Initial Working Group ballot comments

C/ 165 SC 165.7.1.3.4 P122 L45 # 587	C/ 165 SC 165.7.1.4 P119 L 24 # 577
Ran, Adee Cisco	Ran, Adee Cisco
Comment Type E Comment Status D	EZ Comment Type T Comment Status D
Unnecessary capitalization in "Echo Tail Metric".	"The coupling attenuation is illustrated in Figure 165–42"
Also, the acronym ETM should be defined where it is first used in text, which is in step 165.7.1.3.2.	Figure 165-42 does not illustrate a coupling of any link segment. It illustrates the limit imposed by equation 165-41.
SuggestedRemedy	SuggestedRemedy
Remove the unnecessary capitalization and delete "(ETM)".	Change "the 25GBASE-T1 link segment shall meet the coupling attenuation values determined by using Equation (165–41)"
In step 8 of 165.7.1.3.2, change "The ETM(m) is this REM" to "The echo tail metric (ET of segment m, ETM(m), is this REM".	M) to "the coupling attenuation of a 25GBASE-T1 link segment shall meet the coupling
Proposed Response Response Status W	attenuation in Equation (165–41) as illustrated by Figure 165-42".
PROPOSED ACCEPT.	In the figure add a label "meets equation constraints" below the curve, and change the title
V 165 SC 165.7.1.3.4 P122 L 50 # 588	to "Link segment coupling attenuation limit".
Ran, Adee Cisco	Delete the quoted sentence.
Comment Type T Comment Status D	Proposed Response Response Status W
The text is about ETM but the equation has REM(N_discard), and no ETM limit is defin	d. PROPOSED ACCEPT.
SuggestedRemedy	C/ 165 SC 165.7.1.4 P123 L6 # 440
Correct as necessary.	Wienckowski, Natalie General Motors
Proposed Response Response Status W	Comment Type T Comment Status D
PROPOSED ACCEPT IN PRINCIPLE.	Annex 165A does not define the Coupling and screening attenuation test methodology. At this is the same as it was far Clause 140, Anney 140A should be referenced
Comment related to Equation 165-40. Replace REM(N_disc) with ETM(m) - incorrect	this is the same as it was for Clause 149, Annex 149A should be referenced.
reproduction in the draft.	SuggestedRemedy
	Change: Annex 165A To: Annex 149A (This should be in green with no hyperlink.) Also P124L2
	Proposed Response Response Status W

C/ 165 SC 165.7.1.4

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	D 400	/ _ _	//			00		Diai	1.0	11 071
C/ 165 SC 165.7.1.4	P123	LFigure	# <u>596</u>		/ 165		165.7.1.6	P124	L 6	# 651
Stephan Schreiner	•	Hochfrequenztech	nik		IcClellan	,		Marvell		
Comment Type E X-Axes Grid is very dens	Comment Status D			EZ C	Comment			Comment Status D Ild be scaled for 11 meters, vs t	ho original	15 motors in 802 20v
	56.							ilu de scaleu loi 11 meters, vs t	ne onginai	15 meters in 602.50y
SuggestedRemedy Using a frequency step	of 500 MHz for the grid inste	ad of 250 MHz.		S	<i>uggested</i> chang	dRemed je 94ns i	•			
Proposed Response PROPOSED ACCEPT.	Response Status W			Р	Proposed PROP	,	se ACCEPT.	Response Status W		
C/ 165 SC 165.7.1.5	P123	L 54	# 705		/ 165	SC	165.7.2	P124	L18	# 441
Jonsson, Ragnar	Marvell			V	Vienckow	vski, Nat	alie	General Motors		
Comment Type T The screening attenuation	Comment Status A on should be defined up to 9	GHz	post-deadline, 90	GHz C	Comment Incorre		T ence, 165	Comment Status D C.5 doesn't exist.		EZ
SuggestedRemedy Change "4000" to "9000				S	<i>uggested</i> Chang To: 10	ge: 165	•			
Response ACCEPT IN PRINCIPLE	Response Status C			Р	Proposed	Respon	se ACCEPT.	Response Status W		
See comment #457					/ 165	SC -	165.7.2	P124	L18	# 650
C/ 165 SC 165.7.1.5	P 123	L 54	# 457		/cClellan		105.7.2	F 124 Marvell	L 10	# 050
Brychta, Michal	Analog Device	s			comment	,	Е	Comment Status D		EZ
Comment Type T	Comment Status A		90	GHz		ect refer				
includes for for example	ns in subclause 165.7 cover l 165.7.1.4 Coupling attanuat nould be specified "only" in ra	ion. Is there a reas	son why the	S	uggested	dRemed		5		
SuggestedRemedy				Р	Proposed	Respon	se	Response Status W		
Consider if screening at	tanuation could be / should b	e specified up to 9	9000MHz.		PROP	POSED	ACCEPT.			
Response	Response Status C									
ACCEPT IN PRINCIPLE	<u>.</u>									
	nd of 165.7.1.5 reading: "For specification in 165.7.1.4 is		er than 4000 MHz	3						

C/ 165 SC 165.7.2

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C/ 165	SC 165.7.2.1	P 124	L 25	# 442		C/ 165	SC 165.7.2.1	P 125	L1	# 589
Nienckows	ski, Natalie	General Motors	i			Ran, Adee		Cisco		
Comment T	Туре т	Comment Status D			ΕZ	Comment 7	Туре Т	Comment Status D		
The fre	equency range us	ed needs to be changed.				"PSAN	EXT is illustrated	d in Figure 165–43"		
Suggested	Remedy					Figure	165-43 does not	illustrate any PSA. It illus	rates the limit im	oosed by equation 165-
To: Th	ne PSANEXT loss	IEXT loss is derived using Equ is derived using Equation (97				42.		,		
	d for Equation (16	,				Also fo	r PSAACRF in 1	65.7.2.2.		
Proposed F	•	Response Status W				Also fo	r MDI return loss	s in 165.8.2.1.		
PROP	OSED ACCEPT.					Suggested	Remedv			
C/ 165	SC 165.7.2.1	P 124	L35	# 474		00		values determined using	Equation (165–42	?)"
Zimmerma	n, George	CME Consultin	g/APL Gp. Cis	sco, CommScope, I	Marve	to	. – .:	05 40)	105 10"	
Comment T	Type TR	Comment Status A	5 17	, , , ,	9GHz	"shall n	neet Equation (1	65–42) as illustrated by Fi	gure 165-43".	
	oper frequency for ant upper frequency	ANEXT and AFEXT should b	e at least as h	nigh as with the link			igure add a labe ANEXT limit".	el "meets equation constra	ints" below the cu	rve, and change the title
Suggested	Remedy					Delete	the quoted sente	ence.		
Change	e 4000 to 9000 o	n P124 L35 and P126 L6. (eq	uations 165-42	2 and 165-43)			•			
Response		Response Status C					2	.2.2 and in 165.8.2.1, with	apppropriate adju	istments.
ACCEF	PT.					Proposed F	,	Response Status W		
						PROPO	OSED ACCEPT	IN PRINCIPLE.		
						Change	es per comment	Update PICS as needed.		
						C/ 165	SC 165.7.2.2	P125	L 36	# 443
						Wienckows	ski, Natalie	General Mo	otors	
						Comment 7	Туре Т	Comment Status D		E
						The fre	equency range us	sed needs to be changed.		
						Suggested	Remedy			
						To: Th		ACRF is derived using Equ derived using Equation (9		quency range defined
						Proposed F	Response	Response Status W		
						PROPO	OSED ACCEPT.			

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C/ 165 SC 16	5.7.3.1 P119	L 24	# 576	C/ 165 SC 165	5.7.12.1	P124	L 36	# 706
Ran, Adee	Cisco			Jonsson, Ragnar		Marvell		
Comment Type	T Comment Status D			Comment Type T	Comm	ent Status A		post-deadline, 9GHz
"The 25GBASE	-T1 return loss is illustrated in Figu	re 165–41"		The PSANEXT s	hould be defined	d up to 9GHz		
Figure 165-41 d imposed by equ	loes not illustrate a return loss of a lation 165-24.	ny link segment. It	illustrates the limit	SuggestedRemedy Change "4000" to	o "9000".			
SuggestedRemedy				Response	Respon	nse Status C		
	25GBASE-T1 link segment pair sha 24) at all frequencies from 30 MHz		determined by using	ACCEPT.				
to "the return less	of a 25GBASE-T1 link segment			C/ 165 SC 165	5.7.12.1	P 125	L 23	# 707
	ation (165–24) as illustrated in Figu	re 165-44".		Jonsson, Ragnar		Marvell		
	d a label "meets equation constrain t return loss limit".	nts" below the curv	ve, and change the title	Comment Type T The PSANEXT s		ent Status A d up to 9GHz		post-deadline, 9GHz
to Ellik seginer				SuggestedRemedy				
Delete the quot	ed sentence.			Expand Figure 10	65-43 from 4000	MHz to 9000MHz.		
Proposed Response PROPOSED A	Response Status W			Response ACCEPT.	Respon	nse Status C		
				ACCEPT.				
Changes per co	mment. Update PICS as needed.			C/ 165 SC 165	5.7.12.2	P 126	L 6	# 708
C/ 165 SC 16	5.7.3.2 P119	L 53	# 578	Jonsson, Ragnar		Marvell		
Ran, Adee	Cisco			Comment Type T	Comm	ent Status A		post-deadline, 9GHz
Comment Type	E Comment Status D		EZ	The PSAACRF s	should be defined	d up to 9GHz		
	apitalization in "Echo Tail and Resid	Jual Echo Metrics"	. Also "Noise" in the	SuggestedRemedy				
Unnecessary ca subclause text.				Change "4000" to	0 "9000".			
subclause text.				0		se Status C		
subclause text. SuggestedRemedy	necessary capitalization.			Response		nse Status C		
subclause text. SuggestedRemedy Remove the un				Response ACCEPT.	Respon			
subclause text. SuggestedRemedy Remove the un	e Response Status W			Response ACCEPT.		pse Status C	L31	# 709
subclause text. SuggestedRemedy Remove the uni Proposed Response	e Response Status W			Response ACCEPT.	Respon		L 31	# 709
subclause text. SuggestedRemedy Remove the uni Proposed Response	e Response Status W			Response ACCEPT. Cl 165 SC 165	Respon	P126 Marvell ent Status A	L 31	# 709 post-deadline, 9GHz
subclause text. SuggestedRemedy Remove the uni Proposed Response	e Response Status W			Response ACCEPT. Cl 165 SC 165 Jonsson, Ragnar Comment Type T The PSAACRF s SuggestedRemedy	Respon	P126 Marvell ent Status A	L 31	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn C/ 165 SC 165.7.12.2 SORT ORDER: Clause, Subclause, page, line

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C/ 165	SC 165.8.2.1	P 126	L 7	# 458	C/ 165	SC 165.8.2.1	P 127	<i>L</i> Figure	# 598	
Brychta, M	lichal	Analog Device	es		Stephan S	chreiner	Rosenberger	Hochfrequenztec	hnik	
Comment	Туре т	Comment Status A		10G, 9 GHz	Comment	Туре Е	Comment Status D			EZ
		e is specified up to 10000 M			There	is a vertical blue	line at the 0 MHz position.			
freque		equency range up to 9000MH end in 165.7 and 165.8 on th erent?			Suggested Remo	-	ue line at the 1 MHz position.			
Suggested	Remedy				Proposed	Response	Response Status W			
	r relevant 165.7 a 0000MHz.	and 165.8 specifications freq	uency range eith	ner up to 9000MHz, or	PROP	OSED ACCEPT				
Response		Response Status C			C/ 165	SC 165.10	P 129	L 5	# 590	
ACCE	PT IN PRINCIPLE	Ξ.			Ran, Adee)	Cisco			
In 165	8 abanga 10000				Comment	Туре Т	Comment Status D			
III 105.	Ŭ	MHz to 9000 MHz					t maximum delay specification			
C/ 165	SC 165.8.2.1	P 127	L 4	# 465			g (or "L") is negotiated betwee tion, so is unknown in advand			
Tu, Mike		Broadcom						•		
Comment	Type TR	Comment Status D					ble (per the text preceding it: regarding the cable topology			rs
need to Suggested See pr Proposed I PROP	o set the maximu <i>Remedy</i> oposed limits in " <i>Response</i> OSED REJECT.	MDI return loss is too restric m frequency to 9GHz instea vakilian_3cy_ 01_08_16_20 <i>Response Status</i> W e referenced presentation	d of 10GHz.		The no impler with di delay are dif There of the	ormative require nentation of the fferent values of nappens when b ferent, the const fore it seems ad PHY, which hap	ment "The sum of the transm PHY shall not exceed the lim interleave in the transmit and oth sides choose L=8; if it is raints can be tightened. equate to have a normative re pens with L=8.	it and receive data its shown in Table d receive direction known that in a sp equirement only fo	a delays for an 165–16" is irrelev is. The maximum vecific link the cho or the maximum do	bices lelay
C/ 165	SC 165.8.2.1	P 127	<i>L</i> Figure	# 597			explain that the actual delay n of L, assuming this informat			
Stephan S	chreiner	Rosenberger	Hochfrequenzte	echnik	Suggested				notwork managor	mon
Comment	•••	Comment Status D		EZ	•••	-	ows in Table 165-16, leaving	only the one with I	Interleave value of	of 8
X-Axes	s Grid is very den	se.				move the "Interl				. 0,
Suggested	Remedy				Add o	valanatory toxt a	s in the commont			
Using	a frequency step	of 500 MHz for the grid inste	ad of 250 MHz.		Proposed		s in the comment.			
Proposed I	Response	Response Status W					Response Status W			
PROP	OSED ACCEPT.				PROP	USED ACCEPT	IN FRINGIPLE.			
						the first three ro move the "Interl	ows in Table 165-16, leaving eave" column.	only the one with I	nterleave value o	f 8,

C/ 165 SC 165.10 Page 73 of 78 8/19/2022 3:34:42 PM

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C/ 165 SC 165.11.2.2 P130	L 36	# 445	C/ 165 SC 165.11.4.1 P131 L 39 # 592
/ienckowski, Natalie General Moto	rs		Ran, Adee Cisco
Comment Type E Comment Status D typo			EZ Comment Type T Comment Status D Item G3 status should be "!AN:M".
SuggestedRemedy			SuggestedRemedy
Change: IEEE Std 802.3ch-2020, To: IEEE Std 802.3cy-202x,			Per comment
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 165 SC 165.11.2.2 P130	L36	# 591	C/ 165 SC 165.11.4.2.5 P135 L 30 # 722
	230	# 391	Jonsson, Ragnar Marvell
Comment Type E Comment Status D			Comment Type T Comment Status D post-deadling EZ Alert happens at the fifth frame after 8 frame boundary. D
Incorrect amendment name. SuggestedRemedy Change "ch-2020" to "cy-202x".			SuggestedRemedy Change "beginning of" to "fifth frame after".
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 165 SC 165.11.2.2 P130	L 44	# 450	Comment type changed to non-R due to post-deadline status.
Carlson, Steve HSD, Bosch, 1		100	C/ 165 SC 165.11.4.2.6 P136 L6 # 731
comment Type E Comment Status D	Linemovia		EZ Jonsson, Ragnar Marvell
Incorrect citation			Comment Type T Comment Status D post-deadline, partial frar Sleep signal should be composed of 16 RS frames
SuggestedRemedy			
Change: IEEE Std 802.3ch-2020, To: IEEE Std 802.3cy-202x,			SuggestedRemedy change "eight RS-FEC frame" to "sixteen RS-FEC frame"
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status W PROPOSED ACCEPT.
I NOI OGED ACCEFT.			FILOF OSED ACCEFI.
			See comment #710 for justification

C/ 165 SC 165.11.4.2.6

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C/ 165 SC 165.11.4.2.8	P137	L1	# 446	C/ 165A SC 165A	P149	L1	# 444	
Wienckowski, Natalie	General Motors	6		Wienckowski, Natalie	General Moto	ors		
Comment Type T C	omment Status D			Comment Type E Com	ment Status D			ΕZ
Table 149-1 has nothing to	to with the OAM state dia	grams.		There is no Annex 165B.				
SuggestedRemedy				SuggestedRemedy				
Change: Table 149-1 To: Figure 149-24				Change: Insert new Annex 165 To: Insert new Annex 165A as		as follows:		
Proposed Response Re PROPOSED ACCEPT.	sponse Status W			Proposed Response Response Response	onse Status W			
C/ 165 SC 165.11.4.2.8	P 137	L 6	# 468	C/ 165A SC 165A	P149	L 43	# 632	
Tu, Mike	Broadcom			McClellan, Brett	Marvell			
Comment Type TR C The OAM state diagrams ar	o <i>mment Status</i> D e shown in Figure 149-24	and Figure 14	9-25.	Comment Type E Com HTF used without definition in t	ment Status D his Annex			EZ
SuggestedRemedy Change from "Table 149-1 a	nd Figure 149-25" to "Fig	ure 149-24 an	d Figure 149-25".	SuggestedRemedy replace 'HTF' with 'Host Test F	ixture (HTF)'			
Proposed Response Re PROPOSED ACCEPT.	sponse Status W			Proposed Response Response Response	onse Status W			
C/ 165 SC 165.11.4.3.3	P 139	L10	# 339	C/ 165A SC 165A.1	P 149	L 30	# 406	
Maguire, Valerie	Copperopolis			Wienckowski, Natalie	General Moto	ors		
Comment Type E C	omment Status D			Comment Type T Com	ment Status D			ΕZ
Interface is capitalized wher SuggestedRemedy	appearing after "MDIO"	(see clause 45	header).	The objective is 25 Gb/s up to 2 The drawing is correct, but the			5A-1 is not.	
	ith "MDIO Interface"			SuggestedRemedy				
•••				Change: four in-line connector	_			
Replace, "MDIO interface" v	sponse Status W			To: two in-line connectors	S			

C/ 165A SC 165A.1

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<u></u>				" [===	01 107	
C/ 165A	SC 165A.1	P149	L 30	# 676	C/ 165A	SC 165A.2.1
Zimmerma			ing/APL Gp, Cisc	o, CommScope, Marve	Zimmerma	
Comment		Comment Status D		с <u> </u>	Comment 7	
		connectors in a clause 165 l proved in the label.	ink segment, the	figure says 4. Also,		are 3 different wo ne thing. "recom
Suggested	•	F			"recom	mended printed
	•	k segments four in-line conr	nectors up to at le	ast 11m" to "Clause		it appears that th nost-side PCB co
		2 in-line connectors and up				
Proposed I	Response	Response Status W			Suggested	e "The recomme
PROP	OSED ACCEPT.				0	mended maximur
C/ 165A	SC 165A.1	P149	L 32	# 678		I is" on line 16, e "The recomme
Zimmerma		-		o, CommScope, Marve		ice length. The re
Comment		Comment Status D	ing/AFE Gp, Cisc	o, commocope, marve		mended loss is b
		"PHY ends" in the figure - th	ere is an interfac	e point defined but		ly change the wo 7, 28, and 30
		eally matter in the figure tho			Proposed F	
Suggested	IRemedy				,	OSED ACCEPT.
	st deleting the do led interface plan	tted vertical lines on the very	y left and right sid	es of the figure (the	C/ 165A	SC 165A.2.1
Proposed I	•	Response Status W			Zimmerma	n. George
	OSED ACCEPT I	,			Comment 1	
		al lines on the very left and r	ight sides of the fi	gure (the unlabeled	font siz	e problem in the , and on page 15
	ce plane)				Suggested	Remedy
C/ 165A	SC 165A.1	P 149	L 33	# 677	Fix the	font size for "900
Zimmerma	an, George	CME Consult	ing/APL Gp, Cisc	o, CommScope, Marve	Proposed F	Response
Comment	Type TR	Comment Status D			PROP	OSED ACCEPT.
		(there are many different te ed differently in the text of 16			C/ 165A	SC 165A.2.1
Suggested	IRemedy				McClellan,	Brett
Chang	e "Channel" to "T	P0 to TP5 Channel"			Comment 7	Туре т
Proposed I	Response	Response Status W			the Hos	st PCB insertion
PROP	OSED ACCEPT.				Suggested	Remedy
						e <= to >=
					Proposed F	Response
					-1	

P150 L16 # 679 CME Consulting/APL Gp, Cisco, CommScope, Marve Comment Status D vordings for what is being recommended here, but they appear to be mmended maximum insertion loss for the Host PCB", circuit board insert loss", and "recommended maximum insertion these are all "recommended maximum insertion loss from TP0/TP5 connection of the MDI". ended maximum insertion for the Host PCB loss is" to "The um insertion loss from TP0/TP5 to the host-side PCB connection of ended printed circuit board trace insertion loss is based on a 76.2 recommended maximum insertion loss is" to "This maximum based on a 76.2 mm trace length, and is" vording on line 29 for the "recommended minimum insertion loss" on Response Status W P150 L 25 # 680 CME Consulting/APL Gp, Cisco, CommScope, Marve Comment Status D ΕZ e frequency span, and missing period. Same problems on lines 25 151 line 2. 000" and add a period to the end of the sentence. (3 instances) Response Status W P150 L 32 # 633 Marvell Comment Status D n loss should be greater than the minimum requirement

Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line C/ 165A SC 165A.2.1 Page 76 of 78 8/19/2022 3:34:42 PM

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C/ 165A SC 165A.4	P 151	L19	# 682	Cl 165A SC	C 165A.4	P 151	L 41	# 635
Zimmerman, George	CME Consulti	ng/APL Gp, Cisco	o, CommScope, Marve	McClellan, Brett		Marvell		
Comment Type TR	Comment Status D			Comment Type	Е	Comment Status D		EZ
	escribe any 'Channel' returr on to MDI return loss (equiv					s should use subscripts		
SuggestedRemedy				SuggestedReme		nat from Table 149C-2, fix the	micro symbol	in the Unit column
Change the title of 165A.	4 to "Example models for T	x/Rx function to M	IDI return loss"	15	•		mero symbol	
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Respo		Response Status W		
C/ 165A SC 165A.4	P151	L 20	# 004	C/ 165A SC	C 165A.5	P 152	L 3	# 683
		-	# 681	Zimmerman, Ge	eorge	CME Consultin	ng/APL Gp, Ci	isco, CommScope, Marve
Zimmerman, George		ng/APL Gp, Cisco	o, CommScope, Marve	Comment Type	ER	Comment Status D		
Comment Type T	Comment Status D	<i>,</i> ,	EZ, Figure 165A-3	We remove	d the 'laning	g' but forgot it here.		
	49C-2) is identical to the figure as it is a simple concatena			SuggestedReme	ədy			
the text.						e 25GBASE-T1 lanes/PHYs a	re implemente	ed" to "When multiple
SuggestedRemedy				ports of 250	BASE-T1	are implemented"		
delete "illustrated in Figu	re 149C-2" and delete Figur	e 165A-3		Proposed Respo		Response Status W		
Proposed Response	Response Status W			PROPOSEI	D ACCEPT.			
PROPOSED ACCEPT.				C/ 165A SC	C 165A.5	P152	L 6	# 684
C/ 165A SC 165A.4	P151	L 20	# 634	Zimmerman, Ge	eorge	CME Consultir	ng/APL Gp, Ci	isco, CommScope, Marve
McClellan, Brett	Marvell	- 20		Comment Type	Е	Comment Status D		EZ
Comment Type E	Comment Status D		EZ, Figure 165A-3	we say 'spe	cified' twice	•		
incorrect reference			EZ, FIYUIE 105A-3	SuggestedReme	ədv			
				00	,	cified for power sum alien nea	r-end crosstal	k specified in" to "than
SuggestedRemedy				that specifie	d for powe	r sum alien near-end crosstalk	c in"	•
change 'Figure 149C-2' to	0			Proposed Resp	onse	Response Status W		
Proposed Response PROPOSED ACCEPT IN	Response Status W			PROPOSEI	D ACCEPT.			
See comment #681								

C/ 165A SC 165A.5

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C/ Particip) SC	Participan	ts P7		L11	# 353	
Fischer, Pe	əter		BKS k	Kabel-Servi	ce AG		
Comment 7	Туре	Е	Comment Status	D			EZ
Till whe	en will	be Valerie	Maguire listed as Wo	orking Grou	p Treasurer	?	
Suggested	Remec	ly					
		king Group been officia	Treasurer is availab ally ended.	le replace v	with the corre	ect name, if not v	vait till
Proposed I	Respor	ise	Response Status	w			
PROP	OSED	ACCEPT II	N PRINCIPLE.				
Apply o	current	template.					
C/ TOC	SC	тос	P 13	3	L1	# 661	
Murty, Ran	nana		Broad	com			
Comment	Туре	Е	Comment Status	D			EZ
It is go	od to a	dd a headi	ng and provide a bo	okmark to t	he page.		
Suggested	Remec	lv					
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