IEEE P802.3cx D2.3 ITSA Task Force 3rd Working Group recirculation ballot comments

C/ FM	SC FM		P 1	L 29	# 490	Cl	M SC	FM	P 12	L 52	# 493	
Grow, Rob	pert		RMG Consul	ting		Gro	w, Robert		RMG Consult	ing		
Comment	Туре Е	Com	ment Status A		b	ucket Con	ment Type	Е	Comment Status A		bu	icket
			der. It also lists five	previous amend	lments yet P802.3c	x is	The descrip	tion of 80	2.3cs does not agree with the t	ext in P802.3cs/	/D3.2.	
	ied as Ame	ndment 5.				Sug	gestedRem	edy				
Suggested	2						Update for o	consisten	cy with P802.3cs/D3.2.			
to be l remair	nitting RevC	om in Septem d from the last	e assigned for the ga ber, obviously use t amendment number t number order.	hat order. If ame	endment numbers	Res	oonse ACCEPT.		Response Status C			
Response	,		onse Status C			C/ I	M SC	FM	P 13	L 8	# 494	
•	PT IN PRIN					Gro	w, Robert		RMG Consult	ing		
						Con	ment Type	Е	Comment Status A		bu	icket
IEEE	Std 802.3d€	d 802.3dd-202 -202x, IEEE S 'IEEE Std 802	td 802.3cs-202x, IE	EE Std 802.3db	-202x, and IEEE Sto				ords, P802.3db was designated ent 4 by Mr. Law on 25 January		and P802.3ck was	
			itd 802.3db-202x, ar	nd IEEE Std 802.	.3ck-202x"	Sug	gestedRem	edy				
C/ FM	SC FM		P11	L17	# 491		nterchange	IEEE Sto	d 802.3db and IEEE Std 802.3c	k descriptions a	and numbers.	
Grow, Rot			RMG Consul		11 101	Res	oonse		Response Status C			
Comment		Comr	ment Status A	ling	h	ucket	ACCEPT.					
The cl	51	e end of this p	paragraph are incon	sistent with the c								
S <i>uggested</i> Updat	-	tency with P80)2.3/D3.2.									
Response ACCE		Respo	onse Status C									
C/ FM	SC FM		P 12	L 39	# 492							
Grow, Rob	pert		RMG Consul	ting								
Comment	Type E	Comn	ment Status A	U U	b	ucket						
	ection desci 3/D3.2.	iption is not co	onsistent with the cu	irrent front matte	r as found in							
S <i>uggested</i> Updat		tency with P80)2.3/D3.2.									
Response		Respo	onse Status C									
•	PT.	,										

C/ FM SC FM

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C/ 3 SC 3.13.1.14 P23 L53 # 477	C/ 30 SC 30.13.1.13 P23 L22 # 476
Tse, Richard Microchip Technology	Tse, Richard Microchip Technology
Comment Type T Comment Status A	Comment Type T Comment Status A
The limiting condition (based on DDMP capabilities of the PCS and DTE XS) on the configuration of the aTimeSyncSelectionDdmp management object needs to be added	
uggestedRemedy	the aTimeSyncCapabilityDdmp management object.
Change:	SuggestedRemedy
"The registers 3.1813.13 and 5.1813.13 are expected to be set to the same value.;"	Change "The value of 'sfd' indicates that the registers 3.1800.13 and 5.1800.13 (see 45.2.3.67 and 45.2.5.28) are both set to 1."
to	to
"The registers 3.1813.13 and 5.1813.13 are expected to be set to the same value and only be set to a value that corresponds to the capabilities of the PCS and DTE XS instances (see 45.2.3.69a.1 and 45.2.5.31.1).;"	can "The value of 'sfd' indicates that the registers 3.1800.13 and 5.1800.13 (see 45.2.3.67 and 45.2.5.28) are both set to 1 or that all registers 3.1800.12, 3.1800.13, 5.1800.12, and 5.1800.13 are set to 0."
esponse Response Status C	Response Response Status C
ACCEPT IN PRINCIPLE.	ACCEPT.
Change:	
"The registers 3.1813.13 and 5.1813.13 are expected to be set to the same value.;"	C/ 30 SC 30.13.1.16 P25 L27 # 489
	Tse, Richard Microchip Technology Comment Type T Comment Status A
to "The registers 3.1813.13 and 5.1813.13 are expected to be set to the same value that corresponds to the capabilities of the PCS and DTE XS instances (see 45.2.3.69a.1 ar 45.2.5.31.1).;"	In the right-most column of Table 30-6, there should not be "X" for the new optional (i.e., non-mandatory for TImeSync) features. SuggestedRemedy
· ·	Remove the "X" for all the management objects below aTimeSyncDelayNsRXmin
···	
	Remove the "X" for all the management objects below aTimeSyncDelayNsRXmin Response Response Status C ACCEPT IN PRINCIPLE.
···	Response Response Status C
	Response Response Status C ACCEPT IN PRINCIPLE. Add a new column to Table 30-6 "Support for Time Sync (optional)" and move X for all the
	Response Response Status C ACCEPT IN PRINCIPLE. Add a new column to Table 30-6 "Support for Time Sync (optional)" and move X for all the management objects below aTimeSyncDelayNsRXmin to the new optional column.
	Response Response Status C ACCEPT IN PRINCIPLE. Add a new column to Table 30-6 "Support for Time Sync (optional)" and move X for all the management objects below aTimeSyncDelayNsRXmin to the new optional column. Cl 45 SC 45.2 P26 L4 # 539
	Response Response Status C ACCEPT IN PRINCIPLE. Add a new column to Table 30-6 "Support for Time Sync (optional)" and move X for all the management objects below aTimeSyncDelayNsRXmin to the new optional column. Cl 45 SC 45.2 P26 L4 # 539 Grow, Robert RMG Consulting Comment Type E Comment Status A bucket
	Response Response Status C ACCEPT IN PRINCIPLE. Add a new column to Table 30-6 "Support for Time Sync (optional)" and move X for all the management objects below aTimeSyncDelayNsRXmin to the new optional column. C/ 45 SC 45.2 P26 L4 # 539 Grow, Robert RMG Consulting Comment Type E Comment Status A bucket Base text error. SuggestedRemedy SuggestedRemedy SuggestedRemedy

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C/ 45	SC 45.2.1.17	5 P 26	L 32	# 554	C/ 45	SC	45.2.1.176	P 27	L 28	# 540
Dawe, Pie	rs	Nvidia			Grow, R	obert		RMG Consul	ting	
Comment	Type E	Comment Status A		buck	t Commer	nt Type	Е	Comment Status A		bucke
Suggestea	IRemedy	ata delay" 550 times and "da of the few "data path delay" <i>Response Status</i> C			prop resp Repl a se	osed res onse: "E lace "Reg ntence, i	ponse, whic Editors to cha gister" with " s not part of	esolution (#i-42) became m th may have been the basis ange the capitalization of re register" throughout the dr a phrase that is a proper r	s for correcting P egister as follows aft where "Regist noun (e.g., a para	802.3de: Approved at the start of ameter name), and is
	PT IN PRINCIPL	Е.						art of a Clause 22 or Clause Individual comments enter		
primitiv	ves, i.e., "PCS D	"data path delay" to "path o namic Data Path Delay" be			S <i>uggest</i> i "regi	edReme				
		PDPDD", globally.			Respons			Response Status C		
2/45	SC 45.2.1.17		L 32	# 475	ACC	EPT.				
se, Richa		Microchip Te	echnology		C/ 45	SC	45.2.1.176	P 27	L 32	# 541
omment	51	Comment Status A		buck	Grow, R	obert		RMG Consul	ting	
"data p	bath delay" shoul	d be "path data delay"			Commer	nt Tvpe	Е	Comment Status A	0	bucke
Total c	of 13 instances of	"data path delay" in the dra	aft. All should be	changed except			italization of			
		nces related to the name of			Suggest	•		0		
uggestea	Remedy				00	gister 1.1				
-	e all instances (e	except possibly the two related	ed to the name of	the PDDPD primitive)	Respons		000	Response Status C		
from: "data p to	oath delay"				•	EPT.		Response Status C		
"path o	data delay"				C/ 45	SC	45.2.1.176	P 27	L 42	# 542
lesponse		Response Status C			Grow, R	obert		RMG Consul	ting	
ACCE	PT IN PRINCIPL	Ε.			Commer		E	Comment Status A		bucke
See co	omment #554					•	italization of	Register		
					Suggest "(reg	edReme gister 1.1	•			
					Respons	se		Response Status C		

C/ 45 SC 45.2.1.176

IEEE P802.3cx D2.3 ITSA Task Force 3rd Working Group recirculation ballot comments

C/ 45 SC 45.	2.1.177	P 28	L38	# 543		C/ 45	SC 45.2.1.17	7 P	28	L 52	# 495	
Grow, Robert		RMG Consult	ting			Grow, Rol	bert	RM	G Consultin	g		
Comment Type E Incorrect capitaliz		ent Status A r"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Statu of "Register"	s A			bucket
SuggestedRemedy "register 1.1"						S <i>uggested</i> "(regis	dRemedy ster 1.1812…"					
Response ACCEPT.	Respons	se Status C				Response ACCE		Response Status	S C			
C/ 45 SC 45.2	2.1.177	P 28	L 42	# 544		C/ 45	SC 45.2.2.21	Р	30	L 49	# 496	
Grow, Robert		RMG Consult	ting			Grow, Rob	bert	RM	G Consultin	g		
Comment Type E Incorrect capitaliz		ent Status A r"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Statu of "Register"	s A			bucket
SuggestedRemedy "register 1.1805						S <i>uggested</i> "regist	dRemedy ter 2.1"					
Response ACCEPT.	Respons	se Status C				Response ACCE		Response Status	5 C			
C/ 45 SC 45.2	2.1.177	P 28	L 43	# 545		C/ 45	SC 45.2.2.21	Р	30	L 52	# 497	
Grow, Robert		RMG Consult	ting			Grow, Rob	bert	RM	G Consultin	g		
Comment Type E Incorrect capitaliz		ent Status A r"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Statu of "Register"	s A			bucket
SuggestedRemedy "register 1.1811	"					S <i>ugg</i> es <i>tec</i> "regist	dRemedy ters 2.1891…"					
Response ACCEPT.	Respons	se Status C				Response ACCE		Response Status	G C			
C/ 45 SC 45.2	2.1.177	P 28	L 51	# 546		C/ 45	SC 45.2.2.21	Р	31	L 1	# 498	
Grow, Robert		RMG Consult	ting			Grow, Rot	bert	RM	G Consultin	g		
Comment Type E Incorrect capitaliz		ent Status A rr"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Statu of "Register"	s A			bucket
SuggestedRemedy "(register 1.1807.	"					S <i>uggested</i> "regist	<i>dRemedy</i> ter 2.1809"					
Response ACCEPT.	Respons	se Status C				Response ACCE		Response Status	6 C			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 45

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 45.2.2.21

 SORT ORDER: Clause, Subclause, page, line
 SC 45.2.2.21
 SC 45.2.2.21

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CI 45 SC 45.2.2.2	P 3 1	L 8	# 499	C/ 45 SC 45.2.22	P 32	L 6	# 503
Grow, Robert	RMG Consult	ing		Grow, Robert	RMG Consul	ting	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucke	Comment Type E Comm Incorrect capitalization of "Register	e <i>nt Status</i> A er"		bucke
SuggestedRemedy "(registers 2.1803"				SuggestedRemedy "(register 2.1811"			
Response ACCEPT.	Response Status C			Response Respon ACCEPT.	se Status C		
C/ 45 SC 45.2.2.2	P 3 1	L10	# 500	CI 45 SC 45.2.2.22	P 32	L13	# 504
Grow, Robert	RMG Consult	ing		Grow, Robert	RMG Consul	ting	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucke	Comment Type E Comm Incorrect capitalization of "Register	<i>ent Status</i> A er"		bucket
SuggestedRemedy "(register 1810"				SuggestedRemedy "registers 2.1805"			
Response ACCEPT.	Response Status C			Response Respon ACCEPT.	se Status C		
C/ 45 SC 45.2.2.2	2 P31	L1	# 501	CI 45 SC 45.2.2.22	P 32	L15	# 505
Grow, Robert	RMG Consult	ing		Grow, Robert	RMG Consul	ting	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucke	Comment Type E Comm Incorrect capitalization of "Register	<i>ent Status</i> A er"		bucket
SuggestedRemedy "register 2.1"				SuggestedRemedy "(register 2.1812"			
Response ACCEPT.	Response Status C			Response Respon ACCEPT.	se Status C		
C/ 45 SC 45.2.2.2	2 P 32	L 4	# 502				
Grow, Robert	RMG Consult	ing					
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucke				
SuggestedRemedy "registers 2.1805"							
Response	Response Status C						

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/ 45 SC 45.2.2.22 Page 5 of 17 4/18/2022 3:24:11 PM

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C/ 45	SC 45.2.3.67.1	P34	L 33	# 478	C/ 45	SC 4	45.2.3.67.3	3	P 35	L 3	# 563	
Tse, Rich	nard	Microchip Te	chnology		Dawe, Pie	ers			Nvidia			
Commen	t Type T	Comment Status A			Comment	Туре	Е	Comment	Status A			bucket
path	data delays.	ent point affects the calc								of multiple PCS la ed in 90.7 and 90		
The s delay		67.1 and 45.2.3.67.2 only	mention the PCS	S transmit path data	Suggeste	dRemed	ly					
The s delay	statements in 45.2.5.2	28.1 and 45.2.5.28.2 only	mention the DTE	XS transmit path data	PCS I	anes us		thod describe	rt transmit and ed in 90.7 and	I receive path dat 90A.4.	ta delays for mu	ltiple
00	edRemedy				Response	,		Response \$	Status C			
	ige the four instances CS path data delays"	of "PCS transmit path d	ata delay" in 45.2	.3.67.1 and 45.2.3.67.2	ACCE			Response				
Chan	ge the four instances	of "DTE XS transmit pat	h data delay" in 4	5.2.5.28.1 and	C/ 45	SC 4	45.2.3.67.4	4	P 35	L11	# 555	
45.2.	5.28.2 to "DTE XS pa	th data delays".			Dawe, Pie	ers			Nvidia			
Respons		Response Status C			Comment	Туре	Е	Comment	Status A			bucket
ACCI	EPT.						the PCS s		alculation of th	ne TX_NUM_BIT_	_CHANGE and	
C/ 45	SC 45.2.3.67.2	P34	L 48	# 480		—	_					
Tse, Rich	hard	Microchip Te	chnology		00			s able to repo	rt PDDPD as ⁻	TX_NUM_BIT_CI	HANGE and	
Commen Regis	<i>J</i>	Comment Status A ould be referenced here in	nstead of 3.1800.	13.			C_CHANG	E values calculation v	s. reporting.			
Suggeste	edRemedy				Response)		Response S	Status C			
Chan	-				ACCE	EPT IN P	PRINCIPLE	Ξ.				
"Whe	en read as a zero, bit	3.1800.13 indicates that	the PCS"						at the PCS is a IM_BIT_CHAN	ble to report PDI IGE values"	OPD as	
to												
"Whe	en read as a zero, bit	3.1800.12 indicates that	the PCS"									
Response ACCI		Response Status C										

C/ 45 SC 45.2.3.67.4

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C/ 45	SC 45.2.3.67.4	P 35	L12	# 556	C/ 45	SC 45.2.3.68	P 36	L16	# 508
Dawe, Pie	rs	Nvidia			Grow, Rob	pert	RMG Consultir	ng	
	t reports two abiliti	Comment Status A es together: reporting PDD	PD, and doing it	over xMII using	Comment Incorre	<i>Type</i> E ect capitalization of	Comment Status A		buck
NUM Suggested	BIT_CHANGE sigr <i>Remedy</i>	nals.			Suggestea "(regis	dRemedy ster 3.1809…"			
Should	I there be separate	e registers for each ability?			Response		Response Status C		
Response ACCE	PT IN PRINCIPLE.	Response Status C			ACCE		Response Status		
		DPD and NUM_BIT_CHAN nction to work. Also, the P			CI 45 Grow, Rob Comment		P 36 RMG Consultir Comment Status A	L 23 ng	# <u>509</u> buck
NUM_ 3.1800 and R <new f<br="">TS_T> When</new>	BIT_CHANGE abil 0.10 indicates that to (_NUM_BIT_CHAI ext> The gRS also (.indication and TS read as a zero, bit	t, add a reference to the PE ity register's description as the PCS supports the calcu NGE values, passed from the supports the correspondin _RX.indication primitives.< 3.1800.10 indicates that th	shown: "When r lation of the TX_ he PCS across t g PDDPD paran /new text> e PCS does not	ead as a one, bit NUM_BIT_CHANGE he xMII to the gRS. neter in its support the calculation	Incorre Suggested	ect capitalization of <i>Remedy</i> ters 3.1803"			
of the	TY NILIM DIT CU	ANCE and DY NUM BIT (
	TX_NUM_BIT_CH	ANGE and RX_NUM_BIT_0 P 36	L11	# 506	CI 45	SC 45.2.3.68	P36	L 25	# 510
C/ 45 Grow, Rob Comment Incorre	SC 45.2.3.68 ert <i>Type</i> E ect capitalization of	P 36 RMG Consult Comment Status A	L11		Grow, Rob Comment Incorre	pert <i>Type</i> E ect capitalization of	RMG Consultir Comment Status A	-	# <u>510</u> buck
Cl 45 Grow, Rob Comment Incorre Suggested	SC 45.2.3.68 ert <i>Type</i> E ect capitalization of	P 36 RMG Consult Comment Status A	L11	# 506	Grow, Rob Comment Incorre Suggested "(regis	pert <i>Type</i> E ect capitalization of <i>Remedy</i> ster 3.1810"	RMG Consultin Comment Status A of "Register"	-	
CI 45 Grow, Rob Comment Incorre Suggested "regist	SC 45.2.3.68 eert Type E ect capitalization of Remedy er 3.1"	P 36 RMG Consult Comment Status A	L11	# 506	Grow, Rob Comment Incorre Suggested	Dert <i>Type</i> E ect capitalization of <i>IRemedy</i> ster 3.1810"	RMG Consultir Comment Status A	-	
Cl 45 Grow, Rob Comment Incorre Suggested "regist Response ACCE	SC 45.2.3.68 eert Type E ect capitalization of Remedy er 3.1"	P36 RMG Consult <i>Comment Status</i> A "Register"	L11	# 506	Grow, Rob Comment Incorre Suggested "(regis Response ACCE CI 45	Dert <i>Type</i> E ect capitalization of <i>IRemedy</i> tter 3.1810" PT. SC 45.2.3.69	RMG Consultir Comment Status A of "Register" Response Status C P37	ng 	
CI 45 Grow, Rob Comment Incorre Suggested "regist Response	SC 45.2.3.68 eert Type E ect capitalization of Remedy er 3.1" PT. SC 45.2.3.68	P36 RMG Consult Comment Status A "Register" Response Status C	L 11 ing L 14	# <u>506</u> bucket	Grow, Rob Comment Incorre Suggested "(regis Response ACCE C/ 45 Grow, Rob	Dert <i>Type</i> E ect capitalization of <i>Remedy</i> ster 3.1810" PT. SC 45.2.3.69 Dert	RMG Consultir Comment Status A of "Register" Response Status C P37 RMG Consultir	ng 	buck # <u>511</u>
Cl 45 Grow, Rob Comment Incorre Suggested "regist Response ACCE Cl 45 Grow, Rob Comment	SC 45.2.3.68 ert Type E ect capitalization of Remedy er 3.1" PT. SC 45.2.3.68 eert	P36 RMG Consult Comment Status A "Register" Response Status C P36 RMG Consult Comment Status A	L 11 ing L 14	# <u>506</u> bucket	Grow, Rob Comment Incorre Suggested "(regis Response ACCE CI 45 Grow, Rob Comment	Dert <i>Type</i> E ect capitalization of <i>Remedy</i> ster 3.1810" PT. SC 45.2.3.69 Dert	RMG Consultir Comment Status A of "Register" Response Status C P37 RMG Consultir Comment Status A	ng 	buck
Cl 45 Grow, Rob Comment Incorre Suggested "regist Response ACCE Cl 45 Grow, Rob Comment Incorre Suggested	SC 45.2.3.68 ert Type E ect capitalization of Remedy er 3.1" PT. SC 45.2.3.68 ert Type E ect capitalization of	P36 RMG Consult Comment Status A "Register" Response Status C P36 RMG Consult Comment Status A	L 11 ing L 14	# <u>506</u> bucket # <u>507</u>	Grow, Rob Comment Incorre Suggested "(regis Response ACCE C/ 45 Grow, Rob Comment Incorre Suggested	pert <i>Type</i> E ect capitalization of <i>Remedy</i> ster 3.1810" PT. SC 45.2.3.69 pert <i>Type</i> E ect capitalization of	RMG Consultir Comment Status A of "Register" Response Status C P37 RMG Consultir Comment Status A	ng 	buck # <u>511</u>

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/45Page 7 of 17COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC45.2.3.694/18/2022 3:24:11 PMSORT ORDER: Clause, Subclause, page, lineSCSC45.2.3.694/18/2022 3:24:11 PM

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C/ 45 SC 45.2.3.69	P37	L16	# 512	C/ 45 SC 45.2.4.29	P 39	L 52	# 516
Grow, Robert	RMG Consulti	ing		Grow, Robert	RMG Consulti	ng	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Comment Type E Con Incorrect capitalization of "Reg	iment Status A		bucke
SuggestedRemedy "registers 2.1807"				SuggestedRemedy "(registers 4.1809"			
Response ACCEPT.	Response Status C			Response Resp ACCEPT.	onse Status C		
C/ 45 SC 45.2.3.69	9 P37	L 27	# 513	C/ 45 SC 45.2.4.29	P 40	L 6	# 517
Grow, Robert	RMG Consulti	ing		Grow, Robert	RMG Consulti	ng	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Comment Type E Con Incorrect capitalization of "Reg	nment Status A		bucket
SuggestedRemedy "(register 3.1812"				SuggestedRemedy "(registers 4.1803"			
Response ACCEPT.	Response Status C			Response Resp ACCEPT.	onse Status C		
C/ 45 SC 45.2.4.29	P39	L 47	# 514	C/ 45 SC 45.2.4.30	P 40	L 48	# 518
Grow, Robert	RMG Consulti	ing		Grow, Robert	RMG Consulti	ng	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Comment Type E Con Incorrect capitalization of "Reg	iment Status A		bucket
SuggestedRemedy "register 4.1"				SuggestedRemedy "register 4.0"			
Response ACCEPT.	Response Status C			Response Resp ACCEPT.	onse Status C		
C/ 45 SC 45.2.4.29	P39	L 51	# <u>5</u> 15	C/ 45 SC 45.2.4.30	P 40	L 52	# 519
Grow, Robert	RMG Consulti	ing		Grow, Robert	RMG Consulti	ng	
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Comment Type E Con Incorrect capitalization of "Reg	nment Status A		bucket
SuggestedRemedy "(registers 4.1801"				SuggestedRemedy "(registers 4.1805"			
Response ACCEPT.	Response Status C			Response Resp ACCEPT.	onse Status C		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/45Page 8 of 17COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC45.4/18/2022 3:24:11 PMSORT ORDER: Clause, Subclause, page, line

IEEE P802.3cx D2.3 ITSA Task Force 3rd Working Group recirculation ballot comments

C/ 45 SC 45.2.4.30	P 40	L 53	# 520	CI 45 SC 45.2.5.28.2 P43 L36 # 479
Grow, Robert	RMG Consultir	ng		Tse, Richard Microchip Technology
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Comment Type T Comment Status A Register bit 5.1800.12 should be referenced here instead of 5.1800.13.
SuggestedRemedy "(register 4.1811"				SuggestedRemedy Change
Response ACCEPT.	Response Status C			"When read as a zero, bit 5.1800.13 indicates that the DTE XS"
C/ 45 SC 45.2.4.30	P 41	L 7	# 521	to
Grow, Robert	RMG Consultir	ng		"When read as a zero, bit 5.1800.12 indicates that the DTE XS"
Comment Type E Incorrect capitalization	Comment Status A of "Register"		bucket	Response Response Status C ACCEPT.
SuggestedRemedy "registers 4.1807"				C/ 45 SC 45.2.5.28.3 P43 L46 # 481 Tse, Richard Microchip Technology
Response ACCEPT.	Response Status C			Comment Type E Comment Status A bu "PCS" should be replaced by "DTE XS" in 45.2.5.28.3, 45.2.5.28.4, and 45.2.5.31.
C/ 45 SC 45.2.4.30 Grow, Robert	P 41 RMG Consultir	L 9	# 522	SuggestedRemedy Replace six instances of "PCS" with "DTE XS" in 45.2.5.28.3, 45.2.5.28.4, and 45.2.5.31
Comment Type E Incorrect capitalization	Comment Status A	ig	bucket	Response Response Status C ACCEPT.
SuggestedRemedy "(register 4.1812"				C/ 45 SC 45.2.5.29 P44 L37 # 523 Grow, Robert RMG Consulting
Response ACCEPT.	Response Status C			Comment Type E Comment Status A bu Incorrect capitalization of "Register"
				SuggestedRemedy "register 5.0"
				Response Response Status C ACCEPT.

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CI 45	SC 45.2.5.29	P 44	L 41	# 524		C/ 45	SC 45.2.5.29	P 44	L 51	# 527	
Grow, Rob	pert	RMG Consult	ting			Grow, Rol	bert	RMG Consulti	ng		
Comment Incorre	<i>Type</i> E ect capitalization of	Comment Status A			bucket	Comment Incorr	<i>Type</i> E ect capitalization	Comment Status A			bucket
S <i>uggestec</i> (regis"	dRemedy sters 5.1801…"					Suggested "(regis	dRemedy ster 5.1810…"				
Response ACCE		Response Status C				Response ACCE		Response Status C			
CI 45	SC 45.2.5.29	P 44	L 42	# 525		C/ 45	SC 45.2.5.30	P 45	L 41	# 528	
Grow, Rob	pert	RMG Consult	ting			Grow, Rol	bert	RMG Consulti	ng		
Comment Incorre	<i>Type</i> E ect capitalization of	Comment Status A			bucket	Comment Incorr	<i>Type</i> E ect capitalization	Comment Status A			bucket
Suggested "(regis	dRemedy ster 5.1809…"					S <i>uggested</i> "regist	dRemedy ter 5.1…"				
Response ACCE		Response Status C				Response ACCE		Response Status C			
CI 45	SC 45.2.5.29	P 44	L 42	# 482		C/ 45	SC 45.2.5.30	P 45	L 44	# 529	
Tse, Richa	ard	Microchip Tee	chnology			Grow, Rol	bert	RMG Consulti	ng		
Comment "PHY		Comment Status A blaced by "DTE XS" in 45.2.5	5.29		bucket	Comment Incorr	<i>Type</i> E ect capitalization	Comment Status A			bucket
Suggested Repla	-	f "PHY XS" with "DTE XS" ir	n 45.2.5.29			Suggested "regist	dRemedy ters 5.1805…"				
Response ACCE		Response Status C				Response ACCE		Response Status C			
C/ 45	SC 45.2.5.29	P 44	L 50	# 526		C/ 45	SC 45.2.5.30	P 45	L 46	# 530	
Grow, Rob	pert	RMG Consult	ting			Grow, Rol	bert	RMG Consulti	ng		
Comment Incorre	<i>Type</i> E ect capitalization of	Comment Status A			bucket	Comment Incorr	<i>Type</i> E ect capitalization	Comment Status A			bucket
S <i>uggestec</i> (regis"	dRemedy sters 5,1803…"					Suggested "(regis	dRemedy ster 5.1811…"				
Response	PT.	Response Status C				Response ACCE		Response Status C			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 45

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 45.2.5.30

 SORT ORDER: Clause, Subclause, page, line
 SC 45.2.5.30
 SC 45.2.5.30

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C/ 45 SC 45.2.5.	30 P45	L 53	# 531		C/ 45	SC 45.2.6.15	P 48	L 46	# 535	
Grow, Robert	RMG Consulti	ng			Grow, Rob	bert	RMG Consultin	g		
Comment Type E Incorrect capitalization	Comment Status A on of "Register"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Status A of "Register"			bucket
SuggestedRemedy "(registers 5.1807"					S <i>uggested</i> "(regis	dRemedy ster 6.1810…"				
Response ACCEPT.	Response Status C				Response ACCE		Response Status C			
C/ 45 SC 45.2.5.	30 P46	L1	# 532		C/ 45	SC 45.2.6.16	P 49	L 36	# 536	
Grow, Robert	RMG Consulti	ng			Grow, Rob	bert	RMG Consultin	g		
Comment Type E Incorrect capitalization	Comment Status A			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Status A of "Register"			bucket
SuggestedRemedy "(register 5.1812"					S <i>uggested</i> "regist	dRemedy ter 6.0…"				
Response ACCEPT.	Response Status C				Response ACCE		Response Status C			
C/ 45 SC 45.2.6.	15 P48	L 37	# 533		C/ 45	SC 45.2.6.16	P 49	L 39	# 537	
Grow, Robert	RMG Consulti	ng			Grow, Rob	bert	RMG Consultin	g		
Comment Type E Incorrect capitalization	Comment Status A on of "Register"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Status A of "Register"			bucket
SuggestedRemedy "(register 6.1809"					S <i>uggested</i> "regist	dRemedy ters 6.1805…"				
Response ACCEPT.	Response Status C				Response ACCE		Response Status C			
C/ 45 SC 45.2.6.	15 P48	L 44	# 534		C/ 45	SC 45.2.6.16	P 49	L 41	# 538	
Grow, Robert	RMG Consulti	ng			Grow, Rob	bert	RMG Consultin	g		
Comment Type E Incorrect capitalization	Comment Status A on of "Register"			bucket	Comment Incorre	<i>Type</i> E ect capitalization	Comment Status A of "Register"			bucket
SuggestedRemedy "(registers 6.1803"					S <i>uggested</i> "(regis	dRemedy ster 6.1811…"				
Response	Response Status C				Response	•	Response Status C			

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 45

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 45.2.6.16

 SORT ORDER: Clause, Subclause, page, line
 SC 45.2.6.16
 SC 45.2.6.16

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SC 45.2.6.16	P 49	L 48	# 547	C/ 90	SC 90.5.4	P	50 L38	# 484
Grow, Robert	RMG Consulti	ing		Tse, Richa	ard	Micro	ochip Technology	
Comment Type E Incorrect capitalization of	Comment Status A		bucket	<i>Comment</i> "numb		Comment Status s further clarification	5 A	
SuggestedRemedy "(registers 6.1807"				•		uld be "PHY to the gl	RS"	
Response ACCEPT.	Response Status C			Suggested Chang	ge			
C/ 45 SC 45.2.6.16	P 49	L 50	# 548			mber of bits of dynam d from the gRS to the		lelay that are experienced
Grow, Robert	RMG Consulti	ing		to				
Comment Type E Incorrect capitalization of	Comment Status A		bucket				of dynamic receive p e PHY to the gRS"	ath data delay that are
uggestedRemedy				Response		Response Status	U U	
"(registers 6.1812"				ACCE	PT.			
Response ACCEPT.	Response Status C			C/ 90	SC 90.7	P	53 L4	# 557
				Dawe, Pie	ers	Nvid	ia	
W 90 SC 90.5.3	P 60	L11	# 483	Comment	Type TR	Comment Status	R	
se, Richard	Microchip Tec	hnology						ility requires measuremer
Comment Type T	Comment Status A							re 90–5. The data delay ame delimiter (SFD) or th
"number of bits" needs				beginr	ning of the first s	symbol after the SFD	(see 45.2.3.69a)". Th	e figure is unchanged
SuggestedRemedy Change						d, and shows an arro ween MDI and mediu		, the bottom of the gRS
Change				Suggested				
	ber of bits of dynamic transm from the gRS to the PHY"	hit path data del	ay that are experienced	If you this fro It wou	must describe a om the real poin ld be better to c	ts in static space, whi hange "data delay me	at moves as a "point" ich are also relevant to easurement point" to " ay reference", through	data delay reference
"The value reports num	ber of xMII bit times of dynan	nic transmit nat	data delay that are	Response		Response Status		iou.
	a transferred from the gRS to			REJE		Nosponse Status	J	
Response	Response Status C			-	-			
ACCEPT.				timest	amp point", whi		is associated with the 588 and IEEE 802.1A	name "message S to identify the same

C/ 90 SC 90.7 Page 12 of 17 4/18/2022 3:24:11 PM

C/ 90	SC 90.7	P 63	L 6	# 558
Dawe, Pi	ers	Nvidia		

Comment Type **TR** Comment Status **R**

This proposes to change the base text to: "The data delay measurement point shall be either the beginning of the start of frame delimiter (SFD) or the beginning of the first symbol after the SFD (see 45.2.3.69a)".

I checked clauses 3 and 4: the SFD field is 1 octet long (Clause 3) or 8 MAC bits long (Clause 4), and the SFD field and the Destination Address field which follows it are "fields". I checked a couple of RS clauses - they don't have "symbol"s. But see the definitions 1.4.545 symbol, 1.4.546 symbol period, 1.4.547 symbol rate (SR), and 1.4.548 symbol time (ST). So a symbol is a unit interval on the line, which doesn't relate simply to MAC octets at the gRS because of line coding overhead, multilevel coding, FEC, and alignment markers. Also, there are 10-bit symbols in Reed-Solomon FEC clauses.

To the same text: the regular clauses are responsible for specifying; Clause 45 MDIO is only an optional way of implementing it.

I see that 1.5 says "SFD start-of-frame delimiter" and "3.2.2 Start Frame Delimiter (SFD) field The SFD field is..."

SuggestedRemedy

I believe what is meant is "octet" as used in Clause 3 and 90A.3 or "8 Change this to:

"the beginning of the Start Frame Delimiter field (SFD) or the beginning of the first field after the SFD (see Figure 3-1) An implementation may be capable of one or both methods; this may be advertised and configured with MDIO registers (the beginning of the start of frame delimiter (SFD) or the beginning of the first symbol after the SFD (see 45.2.3.67 and 45.2.3.69a)"

Replace "symbol" with "field" throughout the document. It seems it is used as "the first symbol after the SFD" so we don't need to discuss the duration of this field, only when it starts.

Response

Response Status C

REJECT.

The timestamping of the data delay measurement point is supposed to take place at the MDI so "symbol" is correct, per the definitions given by the commenter.

The The capturing of the timestamp at the xMII is just an implementation model used by 802.3 to enable estimation of the timestamp at the MDI.

No changes to the draft needed.

C/ 90	SC 90.7	P 63	L15	# 559
Dawe, Pie	rs	Nvidia		

Comment Type T Comment Status A

Confusion between points and events.

Also, the delay exists whether measured or not.

SuggestedRemedy

Change

The transmit path data delay is measured from the data delay measurement point at the xMII input to the data delay measurement point at the MDI output. The receive path data delay is measured from the data delay measurement point at the MDI input to the data delay measurement point at the xMII output.

to

The transmit path data delay is defined from the time the data delay measurement point passes the xMII input to the time {it | the data delay measurement point} passes the MDI output. The receive path data delay is measured from the time the data delay measurement point passes the MDI input to the time it passes the xMII output.

Check the document for other occurrences of "data delay measurement point" when an event is meant, such as at line 38 (suggestion in another comment).

Response Response Status C

ACCEPT IN PRINCIPLE.

Change

The transmit path data delay is measured from the data delay measurement point at the xMII input to the data delay measurement point at the MDI output. The receive path data delay is measured from the data delay measurement point at the MDI input to the data delay measurement point at the xMII output.

to

The transmit path data delay is defined from the time the data delay measurement point passes the xMII input to the time it passes the MDI output. The receive path data delay is defined from the time the data delay measurement point passes the MDI input to the time it passes the xMII output.

Apply similar change on page 63, line 38.

CI 90 SC 90.7

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						0	•				
C/ 90	SC 90.7	P 63	L18	# 566		C/ 90	SC 90.7		P 63	L 29	# 560
awe, Pier	rs	Nvidia				Dawe, Pie	ers	N	vidia		
parse,	PHY that include could mean mul	Comment Status A es an FEC and/or multiple PC ltiple PCSs or multiple function ltiple PCS lanes. How many f	ns. We don't ha	ive PCS lane		point a	ansmit path da at the xMII inp	,	ent starting		
Chang For a F Similar For PH	PHY that include rly, change IYs with both FE	es an FEC and/or a PCS lane C and multiple PCS lane distr with the start of a multiple PC	ribution, the star	t of the FEC blo	ck is	at the Suggested the tra measu 	xMII output) dRemedy ansmit path da urement point	ta delay measureme ata delay measureme passes the xMII inpu ta delay measureme	ent starting ut)	event (when the d	lata delay
For PH		C and PCS lane distribution, with the start of a PCS lane of				point p	passes the xN	(III output)	0	vent (when the da	
Response ACCEI		Response Status C				Response ACCE		Response Sta	tus C		
;/ 90	SC 90.7	P63	L 21	# [507		CI 90	SC 90.7		P 64	L 42	# 485
awe, Pier comment "FEC b	rs Type E	Nvidia <i>Comment Status</i> A nat you mean, but in 802.3 it's		# <u>567</u> d" because 64B/	<i>bucket</i> 66B	existe	<i>Type</i> T x and Rx path	N Comment Sta data delays are no l econd and optional s	onger repo	rted by a simple q	
uggested	IRemedy	deword", three times				Suggester	dRemedy				
Response ACCEI		Response Status C				"The c the ma data d	obtained data aximum transi	mit data delay, the m minimum receive da	inimum tra	nsmit data delay,	of a quartet of values the maximum receive TimeSync managed
						to					
						the ma data d corres	aximum transi delay, and the sponding mana	delay measurement mit data delay, the m minimum receive da aged objects with na tion, as defined for th	inimum tra ta delay, ea nosecond r	nsmit data delay, ach of which can b esolution and, opt	the maximum receiv be derived from tionally, also with sub
						Response ACCE		Response Sta	tus C		

C/ 90 SC 90.7 Page 14 of 17 4/18/2022 3:24:12 PM

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7.001			002.000 02.0		
C/ 90A	SC 90A.2	P 68	L 31	# 565	C/ 90A SC
Dawe, Pie	ers	Nvidia			Dawe, Piers
Comment	Type E	Comment Status A		bucke	t Comment Type
		ling sublayer (PCS) lane distr			Gratuitous ca
		cs from the draft, we aren't di t have lane distribution/mergi			SuggestedReme
Capita					Ethernet rate
Suggestee	dRemedy				Magnitude of Mismatched
		al Coding Sublayer (PCS) lar ng of multiple Physical Codin			Idle insertion Alignment ma
Response	,	Response Status C			PCS lane dis
ACCE	PT IN PRINCIPL	E.			Response
Chan	ne to read "and P	hysical Coding Sublayer (PC	S) lane distributi	on/merging"	ACCEPT.
		, , , , ,	,		C/ 90A SC
C/ 90A	SC 90A.3	P68	L 51	# 562	Dawe, Piers
Dawe, Pie		Nvidia			Comment Type
	mplementations th	Comment Status A hat do not use the NUM_BIT			Implementati capabilities
		-293)": I suspect the criterior ese abilities, but whether it is			SuggestedReme
	e capital.	,	0		Implementati
Suggestee	dRemedy				Response
		_BIT_CHANGE ability and m 5-293, and Table 45-295a)"	ultilane ability ar	e not in use (see 90.7,	ACCEPT.
Response	,	Response Status C			C/ 90A SC
ACCE	PT.				Dawe, Piers
					Comment Type
					only suffer?
					SuggestedReme
					Change "only timestamp ac
					Response
					ACCEDT

C/ 90A	SC 90A.3	P 69	L 8	# 561
Dawe, Pie	rs	Nvidia		
Comment	Туре Е	Comment Status A		bucket
Gratui	tous capitals in t	able		
Suggested	Remedy			
Magni Misma Idle in Alignm	atched data dela sertion / remova	leword marker insertion / rem		t or receive port (ns)
Response		Response Status C		
ACCE	PT.			
C/ 90A	SC 90A.3	P69	L 44	# 549
Dawe, Pie	rs	Nvidia		
Comment Impler capab	mentations that s	Comment Status A support sub-nanosecond accu	iracy path delay	<i>bucket</i> measurement
Suggested		sub-nanosecond resolution pa	ath data delay rei	porting abilities
Response	nemations with	Response Status C		Johning abilities
ACCE	PT.	Response Status		
C/ 90A	SC 90A.3	P 69	L 46	# 550
Dawe, Pie	rs	Nvidia		
Comment		Comment Status A		bucket
only s	uffer? rather that	in pay a penalty or be disqual	ified?	
Suggested				
		timestamp accuracy impairment of only one octet tir		ime" to "suffer a
Response		Response Status C		

ACCEPT.

CI 90A	SC 90A.4	P 70	L 4	# 553	C/ 90A	SC 90A.5.1		P 70	L 53	# 486
Dawe, Pier	S	Nvidia			Tse, Richard	I	r	/licrochip Tec	hnology	
Comment T	Type TR	Comment Status R			Comment Ty	pe T	Comment St	atus A		
	the first mention ic" means.	of "intrinsic delay variation"	and I don't see a	an explanation of what	PDDPD	is a primitive,	not a parameter			
Suggested	Remedv				Make the	e same chang	e to both 90A.5.1	and 90A.5.2		
Explain	or delete. It ap	pears that anything "intrinsic	" is a delay varia	tion or a varying delay,	SuggestedRe	emedy				
so dele	ete may work.	, 0	,	, , , , ,	change t	he following ir	n both 90A.5.1. a	nd 90A.5.2:		
Response REJEC	ст.	Response Status C			"in whi	ch the PDDPI) parameter"			
					to					
		is used in the meaning of "b								
,		nat certain types of delays ar y implementation-dependent		pecific function and it is		ch the PDDPI	•			
			,		Response		Response Sta	atus C		
C/ 90A	SC 90A.5.1	P 70	L 52	# 564	ACCEPT	IN PRINCIPI	_E.			
Dawe, Piers	· C	Nvidia								
Dawe, Plei	5	Inviula			See com	ment #564				
Comment 7		Comment Status A				ment #564				
Comment 7 "the PD	<i>Type</i> T DDPD parameter	Comment Status A , which mirrors the correspon			C/ 90A	SC 90A.6		P 72	L12	# 487
Comment 7 "the PD TX_NU	<i>Type</i> T DDPD parameter JM_BIT_CHANG	Comment Status A , which mirrors the correspon E": but it's the other way rou		1_BIT_CHANGE signals		SC 90A.6		P 72 /licrochip Tec		# [487
Comment 7 "the PD TX_NU convey	<i>Type</i> T DDPD parameter JM_BIT_CHANG the parameter F	Comment Status A , which mirrors the correspon		1_BIT_CHANGE signals	C/ 90A	SC 90A.6	l Comment St	/licrochip Tec		# 487
Comment 7 "the PD TX_NU convey Suggestedf	Type T DDPD parameter IM_BIT_CHANG the parameter F Remedy	Comment Status A , which mirrors the correspon E": but it's the other way roun DDPD, as 90.4.3.1.1 says.	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty	SC 90A.6		Aicrochip Tec atus A	hnology	
Comment 7 "the PD TX_NU convey Suggested/ Change	Type T DDPD parameter IM_BIT_CHANG the parameter F Remedy	Comment Status A , which mirrors the correspon E": but it's the other way rou	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty	SC 90A.6 pe E the heading	Comment St	Aicrochip Tec atus A	hnology	
Comment 7 "the PD TX_NU convey Suggested/ Change	Type T DDPD parameter IM_BIT_CHANG the parameter F Remedy e to "the PDDPD	Comment Status A , which mirrors the correspon E": but it's the other way rou PDDPD, as 90.4.3.1.1 says.	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty "Skew" in SuggestedRo Change	SC 90A.6 pe E n the heading emedy	Comment St of 90A.6 should	Aicrochip Tec atus A	hnology	
Comment 7 "the PE TX_NU convey Suggestedh Change Similarl Response	Type T DDPD parameter IM_BIT_CHANG the parameter F Remedy e to "the PDDPD	Comment Status A , which mirrors the correspon E": but it's the other way rour PDPD, as 90.4.3.1.1 says. parameter, which is convey Response Status C	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty "Skew" in SuggestedRe Change "Conside	SC 90A.6 pe E the heading	Comment St of 90A.6 should	Aicrochip Tec atus A	hnology	
Comment 7 "the PE TX_NU convey Suggested/ Change Similarl Response ACCEF	Type T DDPD parameter JM_BIT_CHANG the parameter F <i>Remedy</i> e to "the PDDPD ly in 90A.5.2.	Comment Status A , which mirrors the correspon E": but it's the other way rour PDDPD, as 90.4.3.1.1 says. parameter, which is convey Response Status C E.	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty "Skew" in SuggestedRe Change "Conside to	SC 90A.6 pe E n the heading emedy	Comment St of 90A.6 should nsmit Skew"	Aicrochip Tec atus A	hnology	
Comment 7 "the PE TX_NU convey Suggested/ Change Similarl Response ACCEF	Type T DDPD parameter IM_BIT_CHANG the parameter F <i>Remedy</i> e to "the PDDPD ly in 90A.5.2.	Comment Status A , which mirrors the correspon E": but it's the other way rour PDDPD, as 90.4.3.1.1 says. parameter, which is convey Response Status C E.	nd; the TX_NUM		Cl 90A Tse, Richard Comment Ty "Skew" in SuggestedRe Change "Conside to	SC 90A.6 pe E in the heading emedy erations for tra	Comment St of 90A.6 should nsmit Skew"	Aicrochip Tec atus A not have a ca	hnology	

CI 90A SC 90A.6

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C/ 90A	SC 90A.7	P 74	L 3	# 551
Dawe, Pier	S	Nvidia		
Preferre	ont is preferred ed font size is 9	Comment Status A points (can be 8 or 10 point Calibri. There is plenty of spa		bucke
Suggestedl Change	<i>Remedy</i> e to 9 point Aria	al (in black)		
Response ACCEF	РТ.	Response Status C		
C/ 90A	SC 90A.7	P 74	L 26	# 552
Dawe, Pier	S	Nvidia		
Comment 7	Гуре Е	Comment Status A		bucke
	use style			
<i>Suggestedl</i> Figures delay",	Remedy 8 90A-3 to 5 wo	uld be better using black text IY path data delay". If there		
<i>Suggestedl</i> Figures delay",	Remedy s 90A-3 to 5 wo or possibly "Ph be good too.			
Suggestedl Figures delay", would b Response	Remedy s 90A-3 to 5 wo or possibly "Ph be good too.	HY path data delay". If there		
Suggestedl Figures delay", would b Response ACCEF	Remedy s 90A-3 to 5 wo or possibly "Phoe good too. PT. SC 999	IY path data delay". If there Response Status C	is room to change	e dly to delay, that
Suggested/ Figures delay", would b Response ACCEF C/ 999 Tse, Richal Comment 7	Remedy s 90A-3 to 5 wo or possibly "Phoe good too. PT. SC 999 rd Type E	IY path data delay". If there Response Status C P16	is room to change L 4 chnology	e dly to delay, that
Suggestedl Figures delay", would b Response ACCEF Cl 999 Tse, Richar Comment 1 Subclar Suggestedl	Remedy s 90A-3 to 5 wo or possibly "Phoe good too. PT. SC 999 rd Type E use 90A.1 does Remedy	IY path data delay". If there Response Status C P16 Microchip Te Comment Status A	<i>L4</i> chnology tents	e dly to delay, that # [<u>488</u>

CI 999 SC 999