C/ 0 SC P L # 113 Grow, Robert RMG Consulting	C/ 01 SC 1.4 P 13 L 12 # 26 Pérez-Aranda. Rubén KDPOF
Comment Type E Comment Status A Editor can make a number of text, style manual and FrameMaker related improvements.	Comment Type E Comment Status A Some definitions related to the technologies adopted may be included in this subclause
 SuggestedRemedy Add table of contents Subclause reference format differs from base document. Change subclause references to Section format. Search for "Section" and "Figure" update to proper cross reference. Number equations. Some large numbers are missing a non-breaking space as 1000s separator. Review and remove obsolete Editor's Notes. 	SuggestedRemedy See attached gepof_definitions_v1.1.docx Response Response Status C ACCEPT IN PRINCIPLE. Some of these terms is added to Definitions, should also have acronym expansions in Clause 1.
 Re-enter some equations as large rather than medium (e.g., 114.2.3.4) to improve readability. Search for and replace with : where possible (is not an 802.3 convention) 	Cl 114 SC P L # 104 Pérez-Aranda, Rubén KDPOF
Response Response Status C ACCEPT.	Comment Type TR Comment Status A Proposed text for additional subclause for Delay Constraints
Cl 0 SC P L # 112 Grow, Robert RMG Consulting Comment Type E Comment Status A There are a few places in PICS where "clause title" has not been replaced	SuggestedRemedy Proposed text is attached in gepof_delay_constraints_v1.0 Response Response Status ACCEPT IN PRINCIPLE. Editor to incorporate with editorial licence for grammar and changes to meet IEEE style
SuggestedRemedy Search and replace with appropriate title Response Response Status C ACCEPT.	Cl 114 SC P L # 115 Pérez-Aranda, Rubén KDPOF Comment Type TR Comment Status A
Cl 00 SC P L # 89 Grow, Robert RMG Consulting Comment Type E Comment Status A Suclause reference format differs from base document.	No clock frequency tolerance is defined for 1000BASE-H PHY SuggestedRemedy Add sub-clause 114.x Transmit Clock Frequency The symbol transmission rate of the PHY shall be 325.00 MHz ± 0.025%
Suclause relevance format differs from base document. SuggestedRemedy The word Clause only appears in front of complete clauses, any subclause shouldn't have the word Clause. Use correct Cross reference format.	Response Response Status C ACCEPT IN PRINCIPLE.
Response Response Status C ACCEPT.	The symbol transmission rate of the PHY shall be at least 325.00 MHz \pm 0.025%

C/ **114** SC

C/ 114 SC	Р	L	# 102	C/ 114 SC 114.1	P 29	L 34	# 27
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén	KDPOF		
Comment Type T	Comment Status A			Comment Type E	Comment Status R		
Proposed text for additi PMD	onal subclause explaining th	e signals in inter	face between PCS and		and PMA is defined in Clause 1 ² ises could be defined able to be		
SuggestedRemedy				SuggestedRemedy			
Proposed text is attach	ed in gepof_interfacePMD_v	1.0.docx		A modification is su	uggested to clarify this topic:		
Response ACCEPT IN PRINCIPL Editor to incorporate wi	<i>Response Status</i> C E. th editorial licence for gramm	nar and changes	to meet IEEE style.	(PMA) sublayer sp implementations w	Physical Coding Sublayer (PCS) ecified in this clause, which are ith different Pysical Medium Dep	common to a fam pendent (PMD) su	ily of 1000 Mb/s PHY blayers. In particular,
C/ 114 SC 114	P 29	L 28	# 63	this clause."	s a PMD sublayer attacheable to	the PCS and PM	A sublayers defined in
Pérez-Aranda, Rubén	KDPOF			Response	Response Status C		
Comment Type ER	Comment Status A			, REJECT.			
Baseband medium is no correct.	ot defined in Clause 114, the	refore the title of	f the clause is not		be appropriate when we define e isn't one is not friendly to the re		han -RH, but to refer to
SuggestedRemedy				C/ 114 SC 114.1	P 31	L 7	# 64
Eliminate: "and baseba	nd medium"			Pérez-Aranda, Rubén	KDPOF		
The title should be: "Physical Coding Subla 1000BASE-H"	yer (PCS), Physical Medium	Attachment (PM	/IA) sublayer, type		diagram should be inserted to ai		
Response	Response Status C				composing the 1000BASE-H PH	T. PCS, PINA, EE	E, OAM, PMD, etc.
ACCEPT.				SuggestedRemedy Insert new sub-clau	100		
				Insert new sub-cial	use.		
					block diagram des a functional block diagram o ncluded in the attached file gepo		
				Response	Response Status C		
				ACCEPT IN PRINC	CIPLE.		
					ogy interface primitives D service primitive names accor	ding to Clause 11	5
				Editor needs to:	the link_control state variable fro	om state diagram	,

C/ 114 SC 114.1

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		0					
C/ 114 SC 114.1.2	P 30	L 7	# 28	C/ 114 SC 114.2.1	P 31	L 28	# 32
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén	KDPOF		
Comment Type E	Comment Status A			Comment Type ER	Comment Status A		
It may be indicated in I PMA), for example, with the provided the prov	Figure 114-1 which are the suith gray background.	ublayers defined	in Clause 114 (PCS and	since the figure 114-3	each part composing the T is useful to help to underst		
SuggestedRemedy See comment				definition of that. SuggestedRemedy			
Response	Response Status C				the Transmit Block are tem	porally ordered as:	
ACCEPT.	Response Status C			S1, D_0, PHS_0, D_ S2_0, D_2, PHS_1, D	_3,		
C/ 114 SC 114.1.4	P 30	L 44	# 1	S2_1, D_4, PHS_2, D S2_2, D_6, PHS_3, D			
Pérez-Aranda, Rubén	KDPOF			S2_3, D_8, PHS_4, D			
Comment Type E	Comment Status A			S2_4, D_10,PHS_5, [S2_5, D_12,PHS_6, [
	m driver for the transmiter side	e. Driver is a terr	n more related to the	S2_6, D_14,PHS_7, [D_15,		
implementation, and ir	n fact it is part of the optical tr	ansmiter, compo		S2_7, D_16,PHS_8, [—		
o 1	nics device (e.g. LED, laser, e	etc).		S2_8, D_18,PHS_9, [S2_9, D_20,PHS_10,			
SuggestedRemedy				S2_10,D_22,PHS_11	,D_23,		
To replace driver by O	optical Transmitter, and receiv	er by Optical Re	ceiver in Figure 114-2	S2_11,D_24,PHS_12 S2 12,D 26,PHS 13			
Response	Response Status C				- -		
ACCEPT IN PRINCIPI	LE.			Response ACCEPT IN PRINCIP	Response Status C		
To use "Transmitter" a	and "Receiver", eliminating "O	ptical"			LE.		
		•	# 65		tive. It is suggested to simp uous transmission of Trans		
C/ 114 SC 114.2 Pérez-Aranda, Rubén	<i>P</i> 31 KDPOF	L 11	# 65		be composed as illustrated		ave link and that the
Comment Type ER	Comment Status A			Also to add an arrow i	in the figure indicating the t	ime.	
	000BASE-H PCS couples a G , to the Physical Medium Atta						
	the rest of the Clause 114, be s not perform any transformat						
According to the sugger PMD.	ested functional block diagrar	n, the PCS is dir	ectly attached to the				
SuggestedRemedy							
	CS couples a Gigabit Media In dium Dependent (PMD) subla		face (GMII), see Clause				
Response	Response Status C						
ACCEPT.							
TYPE: TR/technical requir	ed ER/editorial required CP	aeneral required	T/technical E/editorial C/de	aneral		114	Page 3 of 24

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

C/ 114 SC 114.2.1 Page 3 of 24 18/05/2015 21:30:23

	D 24	1 20	# 00		SC 444.04	Dat	1.40	# 407
C/ 114 SC 114.2.1 Pérez-Aranda, Rubén	<i>P</i> 31 KDPOF	L 30	# 29	C/ 114 Grow, Robe	SC 114.2.1	P 31 RMG Consu	L 46	# 107
,	nt Status A					Comment Status A	ling	
PHS_12 in Figure 114-3 is used inc content that is part of the complete sequences, and to refer only to the	listinctly to refer t PHS and the pre	amble and posta	mble zeroes		114-3	to content of control subbloo	cks is ambiguous	s. Data zeroes are not
in the figure as example. The term "content" should be used	to indicate the co	ntent of sub-bloc	rks not including the	Suggested	Remedy			
preamble and postamble to be cons Repeated S2_1 in the left side of up	sistent with the re	est of text.	-	zero vo	lts, it would be	the 16 symbols of zero actual better if illustration in the Tra		
SuggestedRemedy				_	a line to highlig			
To modify the figure following as ex	ample the figure	attached in p802	2_3bv_D1.0_figures.pdf	Response		Response Status C		
Response Response	e Status C			ACCEP	T IN PRINCIP	LE.		
ACCEPT IN PRINCIPLE.					lescription may s with value 0	y be provided. does not mean 0 volts.		
The figure is clear enough indicatin postfix).	g the extension c	of sub-blocks (inc	luding zero prefix and	To repla	ace {0} with "ze	eroes" in any part of the text a	and figures.	
Zero pre/postfix to be indicated with	n horizontal line a	is suggested in a	ttached figure.			e text is used prefix/postfix, w ame term to get consistent te		ed pre-pend/post-pend.
To replace first S2_1 with S2_0				See cor		nd attached file for proposed		of interface between
				See cor	mment #68 an	d attached file for proposed to	ext of PMD.	
				Msymb	ols/s. The sym	PCS transmit function that ge bols can take value from the s not relates to any physical r	interval [-256, 28	56). This interval, as it is
				of the s	ymbols into op P, etc. Electric	ow the PMD transmit function tical signal, the optical signal cal levels of PMD service inter	fulfilling some s	pecified parameters like
				with val		h value {0} translate to LOP t ate to P0 optical power and s ER=P1/P0.		
						his explanation and cross ref IEEE style in 115.3.3 (Transr		orial licence for grammar

C/ 114 SC 114.2.1

C/ 114 SC 114.2.1 Grow, Robert	P 45 RMG Consultin	L 15 g	# 105	Cl 114 SC ⁻ Pérez-Aranda, Ru	114.2.2.1 bén	<i>Р</i> 33 КDPOF	L 38	# 4
Comment Type TR	Comment Status A			Comment Type	E C	Comment Status R		
Figure 114-20 The switch in the fee	dback path makes some unstate	d assumptions	about an open circuit.	below for the I	LFSR formal of	explained in the text and definition should be in ita		
SuggestedRemedy				understanding				
	ce switch with a mux and make of ted and result is shifted out.	clear what is the	e feedback data when	SuggestedRemed See comment	-			
Similar changes to F	gure 114-9.			Response REJECT.	R	esponse Status C		
Update supporting te	xt accordingly.			Proposed use	of italics is in	consistent with 802.3 sty	le for code.	
Response ACCEPT.	Response Status C			C/ 114 SC · Pérez-Aranda, Ru	114.2.2.1 bén	<i>Р</i> 34 КDPOF	L 1	# 5
See comments #74 a	nd #80.			51	_	Comment Status R		
114 SC 114.2.2		L 37	# 2	Distinguish be corresponds	etween pilot S	1 signal and pilot S1 sub	-block by adding	"content" where
erez-Aranda, Rubén	KDPOF			SuggestedRemed	ly			
omment Type E	Comment Status A			See comment				
	signals a priori known by the rec synchronization, timing recovery			Response	R	esponse Status C		
uggestedRemedy	oy			REJECT. The paragrapl	h is consisten	t with Figure 114-3 and c	lefinition in 114.2	2.1.
Transmit Block and in	predefined signals transmitted in ntended to be used by the receiv sed on data-aided signal process	er for initializatio		C/ 114 SC Pérez-Aranda, Ru	114.2.2.2 bén	<i>Р</i> 34 КDPOF	L 10	# 31
Pesponse ACCEPT.	Response Status C	U U		<i>Comment Type</i> Each S2 pilot This is not rea	sub-block is p	Comment Status A prepended and postpend	ed	
/ 114 SC 114.2.2	P 32	L 39	# 3	SuggestedRemed	'y			
érez-Aranda, Rubén	KDPOF					ended and postpended t 160 symbols length S2		equences of 16
omment Type E	Comment Status A nded to be used by the receiver t ry	for both fast syr	nbol synchronization	Response ACCEPT.	R	esponse Status C		
Pilot S1 signal is inte and for timing recove				Replace "sub-	DIOCK" with "C	nunk".		
and for timing recove uggestedRemedy	ry to the purpose of S1							

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

C/ 114 SC 114.2.2.2

	P 34	L 8	# 30	C/ 114	SC 114.2.3.		L 16	# 74
² érez-Aranda, Rubén	KDPOF			Pérez-Ara	nda, Rubén	KDPOF		
Comment Type ER Comm	ent Status A			Comment	Type TR	Comment Status A		
The pilot sub-block S2 consists o	f a pseudo-random	sequence of 160	34 256 PAM symbols			mplete. The control signal The text description from		
This senscence is not correct. The pilot S2 consists of				Suggestee	-			
The term sub-block is used to ind postamble zero valued sequence		3 chuncks includ	ing the preamble and	CRCg	en setting. After	then used to compute the the 704 bits have been se e 16 stored values are the	erially processed, th	ne mux is configured to
SuggestedRemedy					S15 to S0.		CRC-10. CRC-10	
See comment, and modify text to				Impro	ved figure is atta	ched in p802_3bv_D1.0_1	figures.pdf	
S2 pilot: 1664 symbols length see S2 chunks: 128 symbols length	luence			Response	,	Response Status C		
S2 pilot sub-block: the S2 chunk	including pre and p	oostamble.		ACCE	PT IN PRINCIPI	LE.		
	se Status C			Used	"mutiplexer" inst	ead of "mux"		
ACCEPT IN PRINCIPLE. Replace second sentence with: F	Pilot S2 sub-blocks	contain a chunk	from a pseudo-random	C/ 114	SC 114.2.3.	3 P 36	L 1	# 33
sequence of 1664 256-PAM syml	bols. The 1664 syr	mbols are divided	d into 13 chunks each	Pérez-Ara	nda, Rubén	KDPOF		
of 128 symbols, and each chunk symbols to create an S2 pilot sub		postpended by a	sequence of 16 zero	Comment	Type ER	Comment Status A		
/ 114 SC 114.2.3 érez-Aranda, Rubén	P 35 KDPOF	L 2	# 34	The n Indica	umber of parity t te variable p, be	bits is p = 176 bits. cause it is used in G(x) ec nate last parathesis.	juation.	
omment Type ER Comm	ent Status A			Suggestee	dRemedy			
••	d and postpended			See c	omment			
				Response	•	Response Status C		
This is not really correct.				1005	DT.			
This is not really correct.				ACCE	F I.			
This is not really correct.	nd postpended by z	zero valued sequ	ences of 16 symbols,	C/ 114	SC 114.2.3.	3 P 36	L 6	# 6
This is not really correct. <i>uggestedRemedy</i> Each PHS chunk is prepended and thus obtaining the 160	nd postpended by z use Status C	zero valued sequ	ences of 16 symbols,	C/ 114		3 <i>P</i> 36 KDPOF	L 6	# 6
This is not really correct. uggestedRemedy Each PHS chunk is prepended an thus obtaining the 160	se Status C	zero valued sequ	ences of 16 symbols,	C/ 114 Pérez-Ara Comment	SC 114.2.3. : nda, Rubén	KDPOF Comment Status A	L 6	# 6
This is not really correct. aggestedRemedy Each PHS chunk is prepended and thus obtaining the 160 esponse Respondent ACCEPT.	se Status C	zero valued sequ	ences of 16 symbols,	Cl 114 Pérez-Ara <i>Comment</i> The G	SC 114.2.3. nda, Rubén <i>Type</i> E s(x) coefficients a	KDPOF Comment Status A	L 6	# [6
This is not really correct. uggestedRemedy Each PHS chunk is prepended and thus obtaining the 160 esponse Respondent ACCEPT.	se Status C	zero valued sequ	ences of 16 symbols,	Cl 114 Pérez-Ara Comment The G Suggested	SC 114.2.3. nda, Rubén <i>Type</i> E 5(x) coefficients a dRemedy	KDPOF Comment Status A		# 6
This is not really correct. <i>uggestedRemedy</i> Each PHS chunk is prepended and thus obtaining the 160 <i>esponse</i> ACCEPT.	se Status C	zero valued sequ	ences of 16 symbols,	Cl 114 Pérez-Ara Comment The G Suggested	SC 114.2.3. nda, Rubén <i>Type</i> E s(x) coefficients a <i>dRemedy</i> s(x) coefficients a	KDPOF Comment Status A are by:		# 6

C/ 114 SC 114.2.3.3

C/ 114 SC 114.2.3. Pérez-Aranda, Rubén	4 <i>P</i> 36 KDPOF	L 45	# 35	C/ 114 SC 114.2.4 P 37 L 10 # 36 Pérez-Aranda, Rubén KDPOF
Comment Type ER Figure 114-11. Incorre PAM modulator.	Comment Status A ect sequence of symbols prov	ided as example a	at the output BPSK 2-	Comment Type ER Comment Status A Parenthesis for see Clause 114.2.4.1 are missed.
SuggestedRemedy To correct figure with -x0,x0,-x1,x1,-x2,x2,-x Response				Line 11: the bits from PCS encoding are not really mapped to 16-PAM; after scrambling, the bits are encoded by a Multilevel Coset Code that generates symbols mapped onto a 16-PAM constellation. There are FEC and mapping combined in the same process that cannot be separated.
ACCEPT.				Line 15: cross reference is needed to 114.2.1, where it explained that the Transmit Block consists of 28 payload sub-blocks
C/ 114 SC 114.2.3. Pérez-Aranda, Rubén	4 <i>P</i> 36 KDPOF	L 51	# 7	SuggestedRemedy Line 11: are encoded by a Multilevel Coset Code that generates symbols mapped onto a 16-PAM constellation (see Clause 114.2.4.3)
				Line 15: add reference. Response Response Status C ACCEPT IN PRINCIPLE. Eliminate the reference to 114.2.4.1, because it is reduntant with reference to Figure 114-12, later. Replace "mapped to" with "encoded by a Multilevel Coset Code that generates symbols mapped onto" Extra reference in line 15 is not needed.
				C/ 114 SC 114.2.4 P 37 L 11 # 38 Pérez-Aranda, Rubén KDPOF KDPOF <t< td=""></t<>
				Comment Type ER Comment Status A The term "PCS encoding" is used, but it has not been introduced and is not consistent with the Figure 114-12 and the title of Clause 114.2.4.1. A
				SuggestedRemedy Replace all "PCS encoding" by "GMII data stream encapsulation" Replace all "64B/65B PCS encoding" by "64B/65B encoding"
				Response Response Status C ACCEPT IN PRINCIPLE.
				To use "64B/65B encoding" in figure and text to replace to "GMII data stream encapsulation" and "PCS encoding".

C/ 114 SC 114.2.4

Pérez-Aranda, Rubér	.2.4 <i>P</i> 37 KDPOF	L 19	# 37	C/ 114 Pérez-Aran	SC 114.2.4 . da, Rubén	1 P 3 KDP0	-	- 40	# 75
114.2.4.2 is the r SuggestedRemedy	R Comment Status A 19 to 25 is already repeated in ght section to describe scramble m of lines 19 to 25 related to scr Response Status C	er details.		Etherne first byt Therefo since ir but not	All data stream et preamble or e of the pream ore, using the t n reality, the 64 only of the Eth	SFD, and it is GMII to ble to the last byte of erm "Ethernet packet" B/65B encoding perfo	bed in 114.2.4. GMII transpare FCS). is more correct	ent for Ethe	replace any part of the rnet packets (from the "Ethernet frame", vhole Ethernet packet,
ACCEPT.				Suggested	•	aakat" Alaa in lina 11			
C/ 114 SC 114 Pérez-Aranda, Rubér		L 39	# 69	Response REJEC		acket". Also in line 41 Response Status			
It is important to	Comment Status A how is the interface with the ne: ndicate that the interface betwee im, because the scrambler is no	en Encapsulation ar	nd Scrambler is a	packets With a depend	s). Yes, 1000E possible end-to ling on the PH	capsulation is of the G ASE-H preserves pre b-end path covering m Y types used (e.g., 10 e statement being abo	amble, but that ultiple links, pre 00BASE-X does	is not end- eamble can s not prese	be modified rve all preamble
SuggestedRemedy				C/ 114	SC 114.2.4.	1.1 P3	3 7 L	. 48	# 8
bit data units, cal	on uses a 64B/65B encoding, w ed Physical Data Blocks (PDB), ate of 65/64·1000 = 1015.625 M	which are serially t		Pérez-Aran <i>Comment 1</i> "to indi	,	KDP Comment Status			
	Response Status C			<i>Suggestedl</i> Elimina	Remedy ite "to indicate'				
Response ACCEPT IN PRI	ICIPLE. Itical and IEEE style improveme								

C/ 114 SC 114.2.4.1.1 Page 8 of 24 18/05/2015 21:30:23

C/ 114 SC 114.2.4.1		L 53	# 9	C/ 114 SC 114.2.4.		L 41	# 39
Pérez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén	KDPOF		
Comment Type E	Comment Status A			Comment Type ER	Comment Status A		
IXD <7:0>, IX_EN an Size of the word is not	d TX_ER, compose each GN indicated.	III word.		Although bit ordering f should be improved.	or each field of CB is forma	ly indicated in C/11	4.2.4.1.2, the text
SuggestedRemedy				SuggestedRemedy			
TXD <7:0>, TX_EN an	d TX_ER, compose each GN	III 10-bit word.			e 41, replace by: "CTRL<1:0	0> (CB<7:6>)"	
Response	Response Status C			Line 44, replace by: "C Line 47, replace by: "L			
ACCEPT IN PRINCIPI	_E.			Response	Response Status C		
It is upperson for up	dorotonding to indicate the si	to of word Simpl	a math laft to the	ACCEPT.	Response Status		
reader.	derstanding to indicate the si	ze of word. Simpl					
				C/ 114 SC 114.2.4.	I.1 P 40	L 4	# 12
The term "GMII word" replace "word" with ne	does not agree with C/35. To	review C/35 to se	elect a right term. To	Pérez-Aranda, Rubén	KDPOF		
· · ·				Comment Type E	Comment Status A		
C/ 114 SC 114.2.4.1		L 11	# 11	OFS in the right side of	f Figure 114-15 does not m	ake sense.	
Pérez-Aranda, Rubén	KDPOF			SuggestedRemedy			
Comment Type E	Comment Status A			Eliminate OFS of the r	iaht side.		
Type and TYPE are us				Response	Response Status C		
Several parts of the tex	xt.			ACCEPT.			
SuggestedRemedy							
To use "Type" always.				C/ 114 SC 114.2.4.	I.1 P 40	L 46	# 76
Response	Response Status C			Pérez-Aranda, Rubén	KDPOF		
ACCEPT.				Comment Type TR	Comment Status A		
bit of a PDB).	eplace TYPE with "Type" whe	re appropriate (w	nen refering to the first	Equation is not correct	t		
,				SuggestedRemedy			
C/ 114 SC 114.2.4.1		L 3	# 10	,	nat in the attached file p802	_3bv_D1.0_equati	ons.pdf
Pérez-Aranda, Rubén	KDPOF			Response	Response Status C		-
Comment Type E	Comment Status R			ACCEPT.			
I miss a reference to F	igure 114-14.						
SuggestedRemedy							
Reference to Figure 1	14-14 after " Type bit is set	to 1 and PDB.CT	RL is generated".				
Response	Response Status C						
, REJECT.	,						
The reference to the fi	gure a bit later in the text is s	ufficient					

C/ 114 SC 114.2.4.1.1

C/ 114 SC 114.2.4.1.2 P 41 Grow, Robert RMG Cor	L 4 sulting	# 114	C/ 114 SC 114.2.4.3 P 42 L 50 # 40 Pérez-Aranda, Rubén KDPOF KDPOF
Comment Type E Comment Status R PCS 64B/65B encoding formal definition might I	-	x	Comment Type ER Comment Status A The term MLCC is used but it was not previously introduced and is not related to the terms used in the previous paragraph.
Create normative Annex and move content Response Response Status C REJECT.			SuggestedRemedy Modify line 45 to relate MLCC with two-level coset coding, that are concepts not related before: "In particular, a Multilevel Coset Coding (MLCC) of two levels based on"
C/ 114 SC 114.2.4.2 P 42 érez-Aranda, Rubén KDPOF	L 27	# 13	Response Response Status C ACCEPT.
Comment Type E Comment Status A typo: "format definition"			C/ 114 SC 114.2.4.3 P 43 L 10 # 41 Pérez-Aranda, Rubén KDPOF KDPOF
<i>SuggestedRemedy</i> Replace by "formal definition"			Comment Type ER Comment Status A Figure 114-18: the superscript tau of upper case lambda (used to indicate lattice transformations) should be "t" to be in coherence with text and equations later described.
ACCEPT. Response Status C			SuggestedRemedy Replace in figure "tau" by "t"
Initial SC 114.2.4.3 P 42 érez-Aranda, Rubén KDPOF	L 44	# 14	Response Response Status C ACCEPT.
Comment Type E Comment Status A "After encapsulation of the GMII data stream an symbols"	d scrambling it is ma	apped into 16-PAM	C/ 114 SC 114.2.4.3 P 43 L 39 # 77 Pérez-Aranda, Rubén KDPOF KDPOF
It is important to note that the process is not onl and coset partitioning is also included. The MLC Channel coding and modulation are unseparabl "mapping" is something that typically does not in and only translates bits at input to symbols at ou	C that is used is a parts of the same to clude any information	coded modulation". thing. The term on addition like parity	Comment Type TR Comment Status A Equations for number of bits per 1D symbol and spectral efficincy are not correct. Line 39: equation uses nb that is not defined. It has to use n_b (subscript) Line 43: equation is a copy of previous one.
uggestedRemedy Replace the term "mapped" by "encoded"			General, limits of summation should be nearer to upper case sigma symbol.
Response Response Status C ACCEPT.			SuggestedRemedy Replace equation by that in the attached file p802_3bv_D1.0_equations.pdf The summation limits could be in line with sumation symbol (upper case sigma) as it indicated in attached document, to avoid overlapping with text.
			Response Response Status C ACCEPT.

C/ 114 SC 114.2.4.3

C/ 114 SC 114.2.4 Pérez-Aranda, Rubén	4.3.1 <i>P</i> 43 KDPOF	L 53	# 15	C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén	.2 P 44 KDPO		# 17
Comment Type E Reference to Figure	Comment Status A 114-19 not included			Comment Type E Typo error in polynomia	Comment Status al: "COC4 484A"	Α	
uggestedRemedy Add reference to Fig	ure 114-19			SuggestedRemedy Replace by C0C4. The second hexa digit	should be ZERO, no i	unner case letter "O"	
esponse ACCEPT.	Response Status C			Response ACCEPT.	Response Status		
/ 114 SC 114.2.4 érez-Aranda, Rubén	4.3.1 <i>P</i> 44 KDPOF	L 14	# 42	Cl 114 SC 114.2.4.3 Pérez-Aranda, Rubén	.2 P 44 KDPO		# 78
omment Type ER	Comment Status A			Comment Type TR	Comment Status		
Reference to a figure uggestedRemedy Replace by a referen	e 3 that does not exist. nce to Figure 114-19.			The equation is not cor	rect; parenthesis orde	er.	(x) is introduced, instead
esponse ACCEPT.	Response Status C			<i>SuggestedRemedy</i> Replace equation by th Move upwards the equ			ations.pdf.
/ 114 SC 114.2.4 érez-Aranda, Rubén	4.3.1 <i>P</i> 44 KDPOF	L 19	# 16	Response ACCEPT.	Response Status		
<i>comment Type</i> E Figure 114-19: nb,de	Comment Status A emux(2)=3 bits is indicated, but	not nb,demux(1)	=4. I think both or none.	C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén	.2 P 44 KDPO		# 79
uggestedRemedy To eliminate nb,dem	ux(2)=3 of the figure.			Comment Type TR	Comment Status	A	
Response ACCEPT.	Response Status C			 k, n and p have not b should be used in equa 	een introduced before ations. "_" indicates su	e. k_c, n_c and p_c w ubscript.	vere introduced, and they
i 114 SC 114.2.4 érez-Aranda, Rubén	4.3.2 <i>P</i> 44 KDPOF	L 42	# 43	 Equations for M(x), S polynomial and the hig Also affects to pg. 52, y 	hest order term, since	in general terms in b	n the quadratic term of the etween will exist.
omment Type ER	Comment Status A			SuggestedRemedy			
Number 9 inserted w g(i) can only take val	vithout meaning.			Replace k with k_c, n v Add ellipsis to polynom E.g. M(x) = m_0 + m_1	ials M(x), S(x) and C((x).	
uggestedRemedy				Response	– Response Status		
To eliminate 9.				ACCEPT.			
Pesponse ACCEPT. Remove 9 and period	Response Status C						
YPE: TR/technical requ	ired ER/editorial required GR dispatched A/accepted R/reje					C/ 114 SC 114.2.4.3.2	Page 11 of 24 18/05/2015 21:3

SORT ORDER: Clause, Subclause, page, line

C/ 114	SC 114.2.4.3	2 <i>P</i> 45	L 8	# 80	C/ 114	SC 114.2.4	2.4	P 48	L 26	# 44
Pérez-Arano		Z P 43 KDPOF	LO	# 00		nda. Rubén		7 40 DPOF	L 20	# 44
Comment T	,	Comment Status A			Comment		Comment Sta			
Text and In Figure position	d Figure 114-20 e 114-20, the fe BCHout.	describing the BCH encode edback values g(i)·x^i are u			Lattice Pleas lambo	e transformation e, note that lamb la_1,1^t(l) and la	indicated in Figure	e 114-18 is osed by the	e concatenation of	t not lambda_1,1^t(l). two operations,
SuggestedR	•				Suggeste			lambaa_1		
	lay elements s_	0, s_1,, s_p-1 shall be ini mation message are used t			Repla		^t(I) with lambda_1 eliminate "./"	^t(I).		
Figure 1	114-20 connecte	der provided by the MLCC o d with BCHgen setting. After a configured to BCHout set	er all the k bits ha	ave been serially	Response ACCE		Response Stat	tus C		
		bits. The parity bits are ther			C/ 114	SC 114.2.4.	3.4	P 48	L 39	# 47
_					Pérez-Ara	nda, Rubén		DPOF		
•	ed figure is attac	hed in p802_3bv_D1.0_figu	res.pdf		Comment	Type ER	Comment Sta	tus A		
Response ACCEP	т.	Response Status C					he field of complex es the field of com			ated that x is a comple quation.
C/ 114	SC 114.2.4.3.	3 P 46	L 53	# 81	Suggestee	dRemedy				
érez-Aranc	da, Rubén	KDPOF			See c	omments.				
Comment Ty Equation SuggestedR	ns for Gray to B	Comment Status A in converter are not correct.			Add a	PT IN PRINCIP				
Response	. ,	nose in the attached file p80 <i>Response Status</i> C	2_3bv_D1.0_eq	Jations.pdf.			t x is considered a fore no more inform			
ACCEP	1.				C/ 114	SC 114.2.4.	3.4	P 48	L 48	# 82
C/ 114	SC 114.2.4.3.	3 P 47	L 6	# 18	Pérez-Ara	nda, Rubén	KI	DPOF		
érez-Aranc	da, Rubén	KDPOF			Comment	Type TR	Comment Sta	tus A		
Comment Ty " more	<i>ype</i> E e significant bit (Comment Status A					nsformation is not o perscript of 2 and p		of last superscript	are not correct.
SuggestedR	-				Suggeste	dRemedy				
00	e by "most signif	icant bit (MSB)"			Repla	ce equation by t	hat in the attached	file p802_	3bv_D1.0_equation	ons.pdf.
Response		Response Status C			Response ACCE		Response Stat	tus 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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 114 SC 114.2.4.3.4 Page 12 of 24 18/05/2015 21:30:24

C/ 114 SC 114.2.4.4 P 50 L 1 # 46 Pérez-Aranda, Rubén KDPOF <
Comment Type ER Comment Status A 114.2.4.4 should 114.2.4.3.5, because Lattice addition belongs to Coded 16-PAM
Because the same reason: 114.2.4.5 should be 114.2.4.3.6 114.2.4.6 should be 114.2.4.3.7
and 114.2.4.7 should be 114.2.4.4
SuggestedRemedy
See comment and change labeling of sections.
Response Response Status C ACCEPT.
C/ 114 SC 114.2.4.5 P 50 L 45 # 84
Pérez-Aranda, Rubén KDPOF
Comment Type TR Comment Status A
Equation is not correct.
SuggestedRemedy
Replace equation by that in the attached file p802_3bv_D1.0_equations.pdf.
Response Response Status C
ACCEPT.
C/ 114 SC 114.2.4.5 P 51 L 21 # 85
Pérez-Aranda, Rubén KDPOF
Comment Type TR Comment Status A
Reference to Figure 114-24 is not valid, it should be Figure 114-28. Also equation Y=mod(X, 2^ceil(psi)-1) is not correct.
SuggestedRemedy
Replace referece to figure as indicated in comment. Replace equation by Y=mod(X, 2^ceil(psi)) (eliminate the term -1).
Response Response Status C
ACCEPT. Delete, Figure 114-24 shows, begin the sentence with The and add a verb.

C/ 114 Pérez-Arar	SC 114.2.4.7 nda, Rubén	<i>P</i> 53 KDPOF	L 18	# 86	C/ 114 Pérez-Aran	SC 114.3 da, Rubén	<i>P</i> KDPOF	L	# 101
u(m) is	114-31 is not cor the signal in the	input of modulo operation.			Comment T The ten SuggestedF	m "state mach	Comment Status A instead of "st	ate diagram"	
Ũ		utput of multiplier, but not su	bstract.		00	-	ne" with "state diagram" ir	n all the text.	
Suggested		had in n802 2hy D10 figur	ioo ndf		Response		Response Status C		
•	red ligure is allac	hed in p802_3bv_D1.0_figur	es.pui.		ACCEF	ΥТ.			
Response ACCE	DT	Response Status C			0	00 444.0	0	1.00	" 10
ACCL	F I.				C/ 114	SC 114.3	P 54	L 23	# 49
C/ 114	SC 114.2.4.8	P 53	L 33	# 48	Pérez-Aran	,	KDPOF		
Pérez-Arai	nda, Rubén	KDPOF			Comment T		Comment Status A		
Comment	Type ER	Comment Status A					ause 114.3 may be impro		
		finite-impulse response (FIR) feedback filter	b(i) are dynamically	Suggested				
•	ed using the PMD	"			00		um Attachment (PMA)		
Suggested					114.3.1	- Physical He	ader Data (PHD)		
Replac	ce PMD by PHD.						state diagrams description ontrol state diagram	on	
Response		Response Status C					ontrol state diagram		
ACCE	PT.				114.3.2	.3 - Link monit	or state diagram		
C/ 114	SC 114.2.4.8	P 53	L 45	# 87		.4 - PHD moni .5 - Adaptive 1	tor state diagrams		
	nda, Rubén	KDPOF					THP TX state diagram		
Comment		Comment Status A					e THP REQ state diagram ty monitor state diagram	1	
Equati It shou This is	on is not correct. Ild be indicated th	Replace v(m) by y(m). hat M takes the value of 16 in hools that are precoded belo		ation 16-PAM, taking	114.3.2 (This s clause i 114.3.3	7 - PMA contr sub-clause sho s devoted to th - Fixed-point	ol state variables ould include the definition	of all the state variab	oles, so only one sub-
Suggested	Remedy					Test modes	the same sub-clause)		
	omment.						dministration, and Mainte	nance (OAM) channe	el
Response		Response Status C			114.6 -	Energy Efficie	nt Ethernet (EEE)		
ACCE	PT IN PRINCIPLE				Response		Response Status C		
Equati	on will be correct	ed.			ACCEP	РТ.			
"M = 1 takes v		/mbols at the input of THP b -15, -13, +13, +15}" with g	•						
		d ER/editorial required GR/					C	C/ 114	Page 14 of 24

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 114 SC 114.3 Page 14 of 24 18/05/2015 21:30:24

		-		-				
C/ 114 SC 114.3 Pérez-Aranda, Rubén	<i>P</i> 54 KDPOF	L 27	# 19	Cl 114 Pérez-Aranda	SC 114.3.1 a. Rubén	<i>Р</i> 56 КDPOF	L 13	# 50
Comment Type E The sentence "The F link operation" is redu	Comment Status A PHD sub-blocks support reliable undant with the next sentence a blocks are defined in 114.2.3 b	about PHS and m	ay produce confusion.	Comment Ty _i Bad refer - pg 56, - pg 56,	pe ER rences in table line 13: replac line 18: replac line 21: replac	Comment Status A		
"PHD information is e				See com <i>Response</i> ACCEPT		Response Status C		
Suggested: "PHD information is e once per Transmit Bl	Response Status C PLE. hitted periodically, chunks of it a encoded into the PHS as define ock. The PHS is divided into 1 The modulation and"	ed in 114.2.3. Th		Pérez-Aranda Comment Ty The desc	pe ER cription of som	P 56 KDPOF Comment Status A the fiels of Table 114-2 is not s not defined in 114.3. The f		
C/ 114 SC 114.3 Pérez-Aranda, Rubén Comment Type ER	P 55 KDPOF Comment Status A o not agree with the text.	L 52	# 57	PCS. <i>SuggestedRe</i> Pg 56, lir	emedy ne 29, replace	by: "Indicates whether local by: "The local PHY shall us	I PHY is able to	"
SuggestedRemedy Figure 114-33 - PHY Figure 114-34 - PHY Figure 114-35 - Link Figure 114-36 - Loca Figure 114-37 - Rem Figure 114-38 - PHD Figure 114-39 - Adap Figure 114-40 - Adap	RX control state diagram TX control state diagram monitor state diagram I PHD reception monitor state ote PHD reception monitor state monitor state diagram tive THP TX state diagram tive THP REQ state diagram quality monitor state diagram			Pg 56, lir "	ne 45, replace ne 10, replace	by: "Indicates whether local by: "The local PHY shall us by: The local PHY shall use <i>Response Status</i> C	e this field of rece	ived PHD to determine
Response ACCEPT.	Response Status C							

C/ 114 SC 114.3.1

Cl 114 SC 114.3. Pérez-Aranda, Rubén	2.1.1 <i>P</i> 58 KDPOF	L 24	# 52	C/ 114 SC 114.3.2.1.2 P 59 L 5 # 53 Pérez-Aranda, Rubén KDPOF
Comment Type ER	Comment Status A			Comment Type ER Comment Status A Bad reference to section 3.1.5.
Pg 58, line 25, repla Pg 58, line 35, repla Pg 58, line 39, repla	ice "PMA Receive function" by ice "PMA Receive function" by ice "PMA Receive function" by ice "PMA Receive function" by ice "PMA Receive function" by	"PHY receiver" "PHY receiver" "PHY receiver"	eration"	SuggestedRemedy Replace by 114.3.2.1.5. Response Response Status C ACCEPT.
Response ACCEPT.	Response Status C			C/ 114 SC 114.3.2.1.3 P 59 L 31 # 56 Pérez-Aranda, Rubén KDPOF KDPOF
SuggestedRemedy	2.1.2 P 59 KDPOF Comment Status A on is not defined at all. ace "PMA Transmit function" by Response Status C	L 11 "PHY transmitter	# 54	Comment Type ER Comment Status A Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 Response Response Status C ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3.
C/ 114 SC 114.3. Pérez-Aranda, Rubén Comment Type ER Line 13, bad referen Line 17, bad referen Line 22, bad referen	KDPOF Comment Status A nee to [1] nee to 114.3.1	L 13	# <u>55</u>	
Line 22, bad referen SuggestedRemedy Line 13, replace by Line 17, replace by Line 22, replace by	114.2.1. 114.2.4.1.1			
Response ACCEPT.	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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 114 SC 114.3.2.1.3 Page 16 of 24 18/05/2015 21:30:24

C/ 114 SC 114.3.2.1.5 P 64 L 30 # 58 Pérez-Aranda, Rubén KDPOF		SC 114.3.2.2	<i>P</i> 66 KDPOF	L 49	# 59	
Comment Type ER Comment Status A Several PMA functions are indicated in state variables description, but these funct although described as functionalities before, they are not defined as concrete func Text should be improved. SuggestedRemedy Pg 64, line 31, eliminate "It is set by the PMA reset"	tions, PMA ctions. Suggeste	<i>Type</i> ER receive function is <i>dRemedy</i> , line 49, replace "	Comment Status A	PHY", the same f	or line 50.	
Pg 64, line 46, replace "PMA Clock Recovery function" by "PHY cloc	nction" ACCE nction"					
Pg 65, line 6, replace "PMA Receive function" by "PHY quality monitor state mach Pg 65, line 13, replace "the PCS Receive function" by "the reception of PHD" Pg 65, line 14, replace bad reference to Section 2 by Clause 114.3.1	0, 111	SC 114.3.2.2 nda, Rubén	<i>Р</i> 67 КDPOF	L 1	# 70	
Pg 65, line 20, replace "PMA Link Monitor function" by "link monitor state mach used by PMA TX and RX state machines to enable the 64B/65B PCS encoder and respctively" (eliminate "passed to PCS via the", because this primitive is not de Pg 65, line 28, replace "PMA Receive function" by "local PHD reception monitor s	d decoder, FFF a fined at all)	llso compensate th	Comment Status A ne cursor of inter-symbol inter	erference produc	ed by the channel.	
machine" Pg 65, line 35, replace "PCS Receive function" by "remote PHD reception monitor machine" Pg 65, line 36, replace bad reference to Section 2 by Clause 114.3.1 Pg 65, line 42, replace "PMA Receive function" by "PHD monitor state machine"	r state Repla Response ACCE	, ,	ensates the cursor and pre- Response Status C	cursor ISI and wh	hitens the noise"	
Pg 65, line 42, replace "PMS Receive function" by "PHY receiver" Pg 66, line 2, replace "PMS PHY Control function" by "adaptive THP REQ state m Pg 66, line 3, replace "PMA Receive function" by "PHY"	nachine" C/ 114 Pérez-Ara	SC 114.3.2.2 Inda, Rubén	<i>Р</i> 67 КDPOF	L 24	# 20	
Pg 66, line 4, replace "PMA PHY Control function" by "adaptive THP REQ state m Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state machine" Pg 66, line 17, replace "PMA PHY Control function" by "PHY TX state machine"	Comment	Comment Type E Comment Status A Replace sections by clauses				
Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can take would help to follow		dRemedy omment				
the text.	Response	9	Response Status C			
esponse Response Status C ACCEPT IN PRINCIPLE.		EPT IN PRINCIPLE omment #89.	E.			
"state diagram" insetad of "state machine"						

C/ 114 SC 114.3.2.2

C/ 114 SC 114.3.2.2.2 P 68 L 35 # 21 Pérez-Aranda, Rubén KDPOF KDPOF	C/ 114 SC 114.3.2.2.3 P 70 L 31 # 60 Pérez-Aranda, Rubén KDPOF
Comment Type E Comment Status A Condition for transition is not complete SuggestedRemedy	Comment Type ER Comment Status A Several PMA/PCS functions are indicated in state variables description, but these functions although described as functionalities before, they are not defined as concrete functions. Text should be improved.
Replace by: "new_rxphd_event = TRUE * hdr_crc16_status = OK * REMPHD.TX.NEXT.THP.SETID = thp_setid" Response Response Status C ACCEPT.	SuggestedRemedy Pg 70, line 31, replace "PCS Transmit function" by "PHY transmitter" Pg 70, line 36, replcae "transmitter block" by "Transmit Block" Pg 70, line 41, replace "PMA PHY Control function" by "adaptive THP TX state machine" Pg 70, line 41, replace "PMA Transmit function" by "PHY transmitter" Pg 70, line 47, replace "PCS Receive function" by "reception of PHD"
CI 114 SC 114.3.2.2.2 P 68 L 38 # 71 Pérez-Aranda, Rubén KDPOF F Comment Type T Comment Status A Actually the PHY receiver is not receiving payload data sub-blocks TH precoded, but it shall receive them starting in the next received Transmit Block, since the REMPHD carries information announcing the mode of the next Transmit Block SuggestedRemedy	Pg 70, line 50, replace bad reference 2 by Clause 114.3.1 or eliminate it. Pg 71, line 1, replace "PCS Receive function" by "reception of PHD" Pg 71, line 3, replace bad reference 2 by Clause 114.3.1 or eliminate it. Pg 71, line 9, replace "PMA PHY Control" by "Adaptive THP REQ state machine" Pg 71, line 15, replace "PMA PHY Control" by "Adaptive THP REQ state machine" Pg 71, line 29, replace "PMA Receive function" by "PHY receiver" Pg 71, line 36, replace "PMA Receive function" by "PHY receiver" Pg 71, line 36, replace "PMA Receive function" by "PHY receiver"
Proposed text (change tense): "The local PHY receiver shall receive payload data sub-blocks TH precoded with the requested coefficients starting from the next Transmit Block received from link partner"	the text. Response Response Status C ACCEPT.
Response Response Status C	ACCEFT.
ACCEPT IN PRINCIPLE. Granting editorial license to editor for gramatical improvements.	C/ 114 SC 114.3.2.3 P 71 L 48 # 22 Pérez-Aranda, Rubén KDPOF KD
	Comment Type E Comment Status A It is the first time the term "detector" is used and may be no clear. SuggestedRemedy I suggest to replace by "MLCC decoder" Also for Pg 72, lines 1, 7.
	Response Response Status C ACCEPT.

C/ 114 SC 114.3.2.3

C/ 114 SC 114.3.2.3 Pérez-Aranda, Rubén	<i>Р 72</i> КDPOF	L 10	# 88	C/ 114 SC 114.3.4 Pérez-Aranda, Rubén	<i>Р</i> 74 КDPOF	L 27	# 67
Comment Type TR Equation for link margin	Comment Status A (LM) definition is not correct			Comment Type ER C Propose text for Test mode	Comment Status A		
<i>SuggestedRemedy</i> Eliminate parenthesis a	round (LM =)			SuggestedRemedy Proposed text is attached ir	n gepof_test_modes_v1.	0.docx	
Response ACCEPT.	Response Status C			Response R ACCEPT IN PRINCIPLE. Editor to incorporate with e	esponse Status C	nar and changes	to meet IEEE style.
%114SC 114.3.2.3érez-Aranda, Rubén	Р 72 КDPOF	L 26	# 23	C/ 114 SC 114.4 Pérez-Aranda, Rubén	Р 74 КDPOF	L 32	# 66
Threshold value S is no	Comment Status A t defined. This is a typo			Comment Type ER (Propose text for OAM sub-(Comment Status A		
uggestedRemedy Replace by upper case	0			SuggestedRemedy Proposed text is attached ir	n gepof_oam_channel_v	1.2.docx	
Response ACCEPT.	Response Status C			Response R ACCEPT IN PRINCIPLE.	esponse Status C		
V 114 SC 114.3.2.3.	1 P 73	L 39	# 61	Editor to incorporate with e	ditorial licence for gramm	har and changes	to meet IEEE style.
érez-Aranda, Rubén Comment Type ER	KDPOF Comment Status A			C/ 114 SC 114.5 Pérez-Aranda, Rubén	<i>Р</i> 74 КDPOF	L 37	# 103
	s indicated in state variables ty before, it is not defined as d.			Comment Type TR C Improved proposed text for	Comment Status A EEE.		
uggestedRemedy	function" by "PHY receiver"			SuggestedRemedy Proposed text is attached ir	n gepof_energy_efficient	_ethernet_v1.2.d	осх
esponse ACCEPT.	Response Status C			Response R ACCEPT IN PRINCIPLE. Editor to incorporate with e	esponse Status C	ar and changes	

C/ 114 SC 114.5

C/ 114 Pérez-Ar		114.5 ubén		<i>P</i> 75 KDPOF	L 34	# 62
Commen	t Type	ER	Comment	Status A		
PMA	Transm	it and Rec	eive function	s are not define	d, however they a	are referenced.
Line	34, repla 38, repla	<i>dy</i> ace "PMA" ace "PMA" ace "PMA"	by "PCS"			
Respons ACC			Response	Status C		
C/ 114		114.5.1		P 76	L 18	# 24
Pérez-Ar	anda, Rı	ubén		KDPOF		
Commen Refe		E Table 114	<i>Comment</i> 1 does not p	Status R provide enough	information.	
Suggeste	edReme	dy				
To re	eplace re	eference to	Table 114-1	by Clause 114.	2.4.1	
Respons	е		Response	Status C		
read	or the tak	n't understa	and how or wl	nere that encod	e point, what Ass ing fits, they are f re entire subclaus	
					ence was (the fou	

C/ 114 SC 114.5.1

	90 C/ 114 SC 114.	• • •	L1 # [91
Grow, Robert RMG Consulting	Grow, Robert	RMG Consulting	J	
Comment Type ER Comment Status A	Comment Type TR	Comment Status A		
The two tables belong in Clause 78 changes as inserts to existing tables. The also needs to be edited. Additionally, we need to list 1000BASE-RH in Table SuggestedRemedy	78-1. SuggestedRemedy	nerate a PICs based on occurance o	of shalls contained in the	clause text
Change the paragraph at line 25 to read: Additional LPI timing parameters for RH are defined in Clause 78. Note that the 24.82 usec in Table 78-4 is the tim transmit a pilot or physical header sub-block and a payload data sub-block.		Response Status C		
In clause 78:	C/ 115 SC	Р	L #[116
Insert new row below into Table 78-1 after 1000BASE-KX:	Pérez-Aranda, Rubén			
<table 78-1="" title=""> PHY or interface type Clause 1000BASE-RH 114, 115</table>	Comment Type E Normative referen SuggestedRemedy	Comment Status A ces used in PMD have to added to c	clause 1.3	
Insert new 1000BASE-RH row below into Table 78-2 after 1000BASE-KX:	See comment			
<what 114-3="" is="" now="" table="">, with table title of Table 78-2></what>	Response ACCEPT.	Response Status C		
Insert new 1000BASE-RH row below into Table 78-4 below 1000BASE-KX:	Editing intruction to	o one a possible duplication betweer	n parallel projects (e.g. b	w, bp, etc)
<what 114-4,="" 78-4="" is="" now="" of="" table="" title="" with=""></what>	Asure proper docu	iment names and number formats of	f the references.	
Response Response Status C ACCEPT.	Cl 115 SC 115 Pérez-Aranda, Rubén	<i>Р</i> 81 КDPOF	L1 # @	68
C/ 114 SC 114.5.3 P 77 L 7 # érez-Aranda, Rubén KDPOF KDP	25 Comment Type ER Propose text for Pl	Comment Status A MD type 1000BASE-RH		
omment Type E Comment Status A	SuggestedRemedy			
Tables 114-3 and 114-4 are rows to be included within the corresponding table	es of clause Proposed text is a	ttached in gepof_pmd_sublayer_v1.6	6.docx	
78 and they should not be included in this clause. uggestedRemedy	Response ACCEPT IN PRIN	Response Status C		
Move tables to the correponding rows of tables of Clause 78.		ore with editorial licence for grammar	and changes to meet IE	EE style.
	·		-	2
Response Response Status C				

C/ 115 SC 115

C/ 115 SC 115.12 Grow, Robert	P 86 RMG Consulting	L 19	# 92	Cl 115 SC 115.2.2 Satoshi Takahashi	P 82 POF promotion	L 33	# 97
Comment Type TR Editor needs to generate after new text is added. SuggestedRemedy See comment.	Comment Status A e a PICs based on occurance o	f shalls conta	ained in the clause text	SuggestedRemedy Change "-45" to "-40"	Comment Status A erature for Type B shall be -40 C.((Table 115-1	, 2nd line, 2nd row)
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
C/ 115 SC 115.2.2 Satoshi Takahashi Comment Type T	P 82 POF promotion Comment Status A	L 15	# 96	Cl 115 SC 115.2.2 Satoshi Takahashi Comment Type E	P 82 POF promotion Comment Status A	L 34	# 99
21	II be optional, not mandatory.			(Table 115-1, 3rd line SuggestedRemedy Change "4inline" to "4 Response	inline", "0inline" to "0 inline". Response Status C		
Response ACCEPT.	Response Status C			ACCEPT IN PRINCIP	LE.		
C/ 115 SC 115.2.2 Satoshi Takahashi	P 82 POF promotion	L 33	# 98	•	vith editorial licence for grammar a nections instead of "0inline"	and changes	
Comment Type E (Table 115-1, 3rd line, 2	Comment Status A 2nd row).			C/ 30 SC Grow, Robert	P RMG Consulting	L	# 93
SuggestedRemedy Change "85C" to "85 C" Response	Response Status C				Comment Status D Carrier. If RX_ER for other than TX_ER co be done, the 1000 Mb/s BEHAVIC		
ACCEPT IN PRINCIPLE Change to "85 °C"	Ξ.			SuggestedRemedy			
				Proposed Response REJECT.	Response Status Z		
				This comment was W	THDRAWN by the commenter.		

C/ 30 SC	Р	L	# 111	C/ 45	SC		Р	L	# 110
irow, Robert	RMG Consu	Iting		Grow, Ro				Consulting	
Comment Type T	Comment Status A	anted for Claus		Comment		E	Comment Status		
uggestedRemedy	updates based on content ad		Ū	and c	lefine cor	ntrol and s		PHY, or use the	Ve can follow 1000BASE-KX generic capabilities of 1.0
Authorize the editor to content.	produce changes to Clause	30 as appropria	ate for adopted Clause 45	Suggeste	dRemedy	/			
Response ACCEPT.	Response Status C						desired, change Tab ontrol, 1.159 for statu		MD GEPOF register(s),
C/ 35 SC 35.1.1	Р	L	# 94				ised, then in 45.2.1.2 based on.	.3, Register/bit 1.7	.7 define what GEPOF
row, Robert	RMG Consu	Iting		Response	Э		Response Status	С	
comment Type ER	Comment Status D			ACCI	EPT IN P	RINCIPLE	Ξ.		
Does item g) need to l uggestedRemedy	be modified for us?			Gene PHY.		sal, we do	o not need to define f	unctionality of eve	ry bit for the 1000BASE-H
Proposed Response REJECT. This comment was W	Response Status Z	er		speed to be For re	d selectio defined i eg 1.1 (Ta	n. Howev n PCS 10 able 45-5)	er, PMA/PMD local/re 00BASE-H registers	emote loopback an (separated ones). ty makes sense. F	SE-H: reset, low power, re not applicable. These ones ault, and receive link status tted PCS registers.
	The comment			Edito	r to incor	porate wit	h editorial licence.		
Commenter did not pr	ovide a suggested remedy.			C/ 45 Pérez-Ara	SC anda, Rul	pén	<i>Р</i> 23 КDРО		# 100
				Comment Propo		ER or Clause	Comment Status 45	A	
				Suggeste			d in conof monocon	ant main vil 1	
				Flope	JSEU IEXI		ed in gepof_managen		
					bsed Sigr ded in C/4		Indicator is attached	in perezaranda_0	GEPOF_1a_0515 to be
				Response	9		Response Status	с	
				Edito	r to incor			text in gepof_ma	nagement_mdio_v1.4 for
							A/PMD are implement be included in the di	•	gisters.The PMA/PMD
				SQI r	not to be i	ncorporat	ed.		
	ed ER/editorial required GR		ed T/technical E/editorial (NSE STATUS: O/open W/					C/ 45 SC	Page 23 of 24

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 45	Page 23 of 24
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC	18/05/2015 21:30:25

C/ 45 SC 45.2.1.1.	. 4 P	L	# 108	C/ 78 SC		Р	L	# 95
row, Robert	RMG Consul	ting		Grow, Robert		RMG Consu	llting	
omment Type T	Comment Status A			Comment Type E	R Comm	ent Status A		
	back are not described in Cla			Need to list 1000	BASE-RH in this	table		
supported and if so she loopback.	nould it be mandatory? Recon	nmend mandato	ry local and remote	SuggestedRemedy				
uggestedRemedy				Insert new row in	nto Table 78-1 be	low 1000BASE-T	(below 1000BA	SE-T1 if it is approved
	supported a reference to the	definition should	1 be added to 45 2 1 1 4	currently or befor	re this project):			
If remote loopback is supported, a reference to the definition should be added to 45.2.1.1.4. And it should be defined in Clause 114.				1000BASE-RH	114, 115			
If local loopback is ma	andatory, Clause 45 bit 1.0.0 o	controls the fund	tion and 1000BASE-H	Response	Respon	se Status C		
should be added to the	e port type list in 45.2.1.1.5, if nandatory or optional, local loc	optional, no ch	ange to 45.2.1.1.5 is	ACCEPT.				
If not supported, 1000 clauses.	BASE-H non-support should	be added to bot	h of the above sub-					
esponse	Response Status C							
ACCEPT IN PRINCIPI	LE.							
ACCEPT IN PRINCIPL See comment #110.	LE.							
See comment #110. See comment #100 an loopback is also define defined line loopback i PCS encoder input. Re	LE. nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by con emote loopback at PMD level lemented by the PMD receive	opback. The dif nnection of the I does not make	ference is that the PCS decoder output to					
See comment #110. See comment #100 an loopback is also define defined line loopback i PCS encoder input. Re signal recovery is imple	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by col emote loopback at PMD level	opback. The dif nnection of the I does not make	ference is that the PCS decoder output to					
See comment #110. See comment #100 an loopback is also define defined line loopback i PCS encoder input. Re signal recovery is imple 45 SC 45.5	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by col emote loopback at PMD level	opback. The dif nnection of the I does not make function.	ference is that the PCS decoder output to sense since no any					
See comment #110. See comment #100 an loopback is also define defined line loopback i PCS encoder input. Re signal recovery is impl 2/ 45 SC 45.5 Grow, Robert	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by col emote loopback at PMD level lemented by the PMD receive	opback. The dif nnection of the I does not make function.	ference is that the PCS decoder output to sense since no any					
See comment #110. See comment #100 an loopback is also defined defined line loopback i PCS encoder input. Re signal recovery is impl 45 SC 45.5 frow, Robert comment Type ER	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by con emote loopback at PMD level lemented by the PMD receive <i>P</i> RMG Consul <i>Comment Status</i> A ate PICs changes based on o	opback. The dif nnection of the F does not make function.	ference is that the PCS decoder output to sense since no any # 109					
See comment #110. See comment #100 an loopback is also defined defined line loopback i PCS encoder input. Re signal recovery is imple 45 SC 45.5 row, Robert comment Type ER Editor needs to generat clause text after new to	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by con emote loopback at PMD level lemented by the PMD receive <i>P</i> RMG Consul <i>Comment Status</i> A ate PICs changes based on o	opback. The dif nnection of the F does not make function.	ference is that the PCS decoder output to sense since no any # 109					
See comment #110. See comment #100 an loopback is also defined defined line loopback i PCS encoder input. Re signal recovery is impl 45 SC 45.5 frow, Robert comment Type ER Editor needs to genera clause text after new to	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by con emote loopback at PMD level lemented by the PMD receive <i>P</i> RMG Consul <i>Comment Status</i> A ate PICs changes based on o	opback. The dif nnection of the F does not make function.	ference is that the PCS decoder output to sense since no any # 109					
See comment #110. See comment #100 an loopback is also define defined line loopback i PCS encoder input. Re signal recovery is impl Cl 45 SC 45.5 Grow, Robert Comment Type ER Editor needs to genera clause text after new to SuggestedRemedy	nd attached file. Two types of ed, that is similar to remote lo is defined at PCS level by con emote loopback at PMD level lemented by the PMD receive <i>P</i> RMG Consul <i>Comment Status</i> A ate PICs changes based on o	opback. The dif nnection of the F does not make function.	ference is that the PCS decoder output to sense since no any # 109					