C/ 0 SC P L # 113 Grow, Robert RMG Consulting	C/ 01 SC 1.4 P13 L12 # 26 Pérez-Aranda, Rubén KDPOF
Comment Type E Comment Status D Editor can make a number of text, style manual and FrameMaker related improvements.	Comment Type E Comment Status D 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 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Some of these terms is added to Definitions, should also have acronym expansions in Clause 1.
 Review and remove obsolete Editor's Notes. 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 # 102 Pérez-Aranda, Rubén KDPOF Comment Type T Comment Status D
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed text for additional subclause explaining the signals in interface between PCS ar PMD
C/ 0 SC P L # 112 Grow, Robert RMG Consulting	SuggestedRemedy Proposed text is attached in gepof_interfacePMD_v1.0.docx
Comment Type E Comment Status D There are a few places in PICS where "clause title" has not been replaced	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Editor to incorporate with editorial licence for grammar and changes to meet IEEE style.
SuggestedRemedy Search and replace with appropriate title Proposed Response Response Status W PROPOSED ACCEPT.	Cl 114 SC P L # 104 Pérez-Aranda, Rubén KDPOF Comment Type TR Comment Status D Proposed text for additional subclause for Delay Constraints
Ø 00 SC P L # 89 row, Robert RMG Consulting	SuggestedRemedy Proposed text is attached in gepof delay constraints v1.0
Comment Type E Comment Status D Suclause reference format differs from base document. SuggestedRemedy	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Editor to incorporate with editorial licence for grammar and changes to meet IEEE style.
The word Clause only appears in front of complete clauses, any subclause shouldn't have the word Clause. Use correct Cross reference format. Proposed Response Response Status W PROPOSED ACCEPT.	

C/ 114 SC

C/ 114 SC 114 P29 L28 # 63 Vérez-Aranda, Rubén KDPOF KDPOF	C/ 114 SC 114.1 P31 L7 # 64 Pérez-Aranda, Rubén KDPOF	
Comment Type ER Comment Status D Baseband medium is not defined in Clause 114, therefore the title of the clause is not correct.	Comment Type ER Comment Status D A functional block diagram should be inserted to aid to understand the relationship a the different parts composing the 1000BASE-H PHY: PCS, PMA, EEE, OAM, PMD,	
SuggestedRemedy	SuggestedRemedy	
Eliminate: "and baseband medium" The title should be:	Insert new sub-clause:	
"Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer, type 1000BASE-H"	114.1.5 Functional block diagram Figure 114-3 provides a functional block diagram of the 1000BASE-H PHY.	0
Proposed Response Response Status W	< insert the figure included in the attached file gepof_functional_block_diagram_v1.0	J.pat>
PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.	
W 114 SC 114.1 P29 L34 # 27		
	C/ 114 SC 114.1.2 P30 L7 # 28	
érez-Aranda, Rubén KDPOF		
	Pérez-Aranda, Rubén KDPOF	
	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F	°CS a
omment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114.	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background.	°CS a
omment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114.	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy	⊃CS a
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114.	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment	⊃CS a
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. SuggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W	PCS a
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment	PCS a
omment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause."	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT.	PCS a
comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. UggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." roposed Response Response Status W	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined.	PCS a
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. It is serveral PMD Clauses could be defined able to be attached to Clause 114. <i>uggestedRemedy</i> A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." <i>troposed Response Response Status</i> W PROPOSED REJECT. PROPOSED REJECT. PROPOSED REJECT.	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (F PMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined. Cl 114 SC 114.1.4 P30 L44 # 1	PCS a
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." Proposed Response Response Status W	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (FPMA), for example, with gray background. SuggestedRemedy SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined. Cl 114 SC 114.1.4 P30 L44 # 1 Pérez-Aranda, Rubén KDPOF	o the
omment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. It is serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." roposed Response Response Status W PROPOSED REJECT. The change would be appropriate when we define something other than -RH, but to refer to	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (FPMA), for example, with gray background. SuggestedRemedy SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined. Cl 114 SC 114.1.4 P30 L44 # 1	o the
omment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." roposed Response Response Status W PROPOSED REJECT. The change would be appropriate when we define something other than -RH, but to refer to	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (FPMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined. Cl 114 SC 114.1.4 P30 L44 # Pérez-Aranda, Rubén KDPOF Comment Type E Comment Status D Figure 114-2 uses term driver for the transmiter side. Driver is a term more related to implementation, and in fact it is part of the optical transmiter, composed by the drive the light emitter photonics device (e.g. LED, laser, etc).	o the er and
Comment Type E Comment Status D Because the PCS and PMA is defined in Clause 114 independently of PMD, it seems that serveral PMD Clauses could be defined able to be attached to Clause 114. uggestedRemedy A modification is suggested to clarify this topic: "This PHY uses a Physical Coding Sublayer (PCS) and a Physical Medium Attachment (PMA) sublayer specified in this clause, which are common to a family of 1000 Mb/s PHY implementations with different Pysical Medium Dependent (PMD) sublayers. In particular, Clause 115 defines a PMD sublayer attacheable to the PCS and PMA sublayers defined in this clause." roposed Response Response Status W PROPOSED REJECT. The change would be appropriate when we define something other than -RH, but to refer to	Comment Type E Comment Status D It may be indicated in Figure 114-1 which are the sublayers defined in Clause 114 (FPMA), for example, with gray background. SuggestedRemedy See comment Proposed Response Response Status W PROPOSED REJECT. The title of Clause 114 properly indicates the which sublayer are defined. Cl 114 SC 114.1.4 P30 L44 # 1 Pérez-Aranda, Rubén KDPOF Comment Type E Comment Status D Figure 114-2 uses term driver for the transmiter side. Driver is a term more related to implementation, and in fact it is part of the optical transmiter, composed by the drive the light emitter photonics device (e.g. LED, laser, etc). SuggestedRemedy	o the er and

C/ 114 SC 114.1.4

114 SC 114.2	P 31	L11	# 65		114.2.1	P31	L 28	# 32
érez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rul	bén	KDPOF		
	omment Status D			Comment Type	ER	Comment Status D		
The sentence: "The 1000BAS (GMII), see Clause 35, to the				The temporal of since the figure definition of the	e 114-3 is i	ch part composing the Tra useful to help to understar	nsmit Block shound, but it does not	ld be described in text represent a formal
is not consistent with the rest defined and PMA does not pe				SuggestedRemedy	'y			
	•	-		•		Transmit Block are tempo	orally ordered as:	
According to the suggested fu PMD.	unctional block diagram	i, the PCS is dire	ectly attached to the	S1, D_0, PH S2_0, D_2, PH S2_1 D_4 PH	HS_1, D_3,			
ggestedRemedy				S2_1, D_4, PH S2_2, D_6, PH				
Replace sentence by: "The 1000BASE-H PCS coup 35, to the Physical Medium D			ace (GMII), see Clause	S2_3, D_8, PH S2_4, D_10,P S2_5, D_12,P	HS_4, D_9, HS_5, D_1 HS_6, D_1	1, 3,		
35, to the Physical Medium Dependent (PMD) sublayer" roposed Response Response Status W PROPOSED ACCEPT.			S2_6, D_14,P S2_7, D_16,P S2_8, D_18,P S2_9, D_20,P S2_10,D_22,F	HS_8, D_1 HS_9, D_1 HS_10,D_2 HS_11,D_	7, 9, 21, 23,			
				S2_11,D_24,F S2_12,D_26,F				
				S2_11,D_24,F S2_12,D_26,F Proposed Respons	PHS_13,D_			
				S2_12,D_26,F Proposed Respon PROPOSED A	PHS_13,D_ se ACCEPT IN	27 Response Status W	r add a "shall" to th	ne first paragraph with
				S2_12,D_26,F Proposed Respons PROPOSED A Figures can be edits to require	PHS_13,D_ se ACCEPT IN e normative e continuou	27 Response Status W I PRINCIPLE.	it Blocks on an ac	
				S2_12,D_26,F Proposed Respons PROPOSED A Figures can be edits to require Transmit Block	PHS_13,D_ se ACCEPT IN e normative e continuou	27 Response Status W I PRINCIPLE. e. It is suggested to simply is transmission of Transmis composed as illustrated in P31	it Blocks on an ac	
				S2_12,D_26,F Proposed Respons PROPOSED A Figures can be edits to require Transmit Block	PHS_13,D_ se ACCEPT IN e normative e continuou k shall be c 114.2.1	27 <i>Response Status</i> W I PRINCIPLE. e. It is suggested to simply is transmission of Transmission composed as illustrated in	it Blocks on an ac Figure 114-3.	tive link and that the
				S2_12,D_26,F Proposed Respons PROPOSED A Figures can be edits to require Transmit Block	PHS_13,D_ se ACCEPT IN e normative e continuou k shall be c 114.2.1	27 Response Status W I PRINCIPLE. e. It is suggested to simply is transmission of Transmis composed as illustrated in P31	it Blocks on an ac Figure 114-3.	tive link and that the
				S2_12,D_26,F Proposed Response PROPOSED A Figures can be edits to require Transmit Block CI 114 SC 1 Pérez-Aranda, Rut Comment Type PHS_12 in Fig content that is sequences, ar in the figure as The term "com- preamble and	PHS_13,D_ se ACCEPT IN e normative e continuou k shall be c 114.2.1 bén ER gure 114-3 part of the nd to refer of s example. tent" should postamble	27 Response Status W I PRINCIPLE. e. It is suggested to simply us transmission of Transm composed as illustrated in P31 KDPOF	it Blocks on an ac Figure 114-3. <i>L</i> 30 to the sub-block eamble and posta ime for S2_12 and content of sub-bloc rest of text.	tive link and that the # 29 composed by the real amble zeroes d S1 that are indicated cks not including the
				S2_12,D_26,F Proposed Response PROPOSED A Figures can be edits to require Transmit Block CI 114 SC 1 Pérez-Aranda, Rut Comment Type PHS_12 in Fig content that is sequences, ar in the figure as The term "com- preamble and	PHS_13,D_ se ACCEPT IN e normative e continuou k shall be c 114.2.1 bén ER gure 114-3 part of the nd to refer c s example. ttent" should postamble 1 in the lef	27 Response Status W I PRINCIPLE. e. It is suggested to simply is transmission of Transm composed as illustrated in P31 KDPOF Comment Status D is used indistinctly to refer complete PHS and the pr only to the content. The sa d be used to indicate the of to be consistent with the	it Blocks on an ac Figure 114-3. <i>L</i> 30 to the sub-block eamble and posta ime for S2_12 and content of sub-bloc rest of text.	tive link and that the # 29 composed by the real amble zeroes d S1 that are indicated cks not including the
				S2_12,D_26,F Proposed Response PROPOSED A Figures can be edits to require Transmit Block C/ 114 SC 1 Pérez-Aranda, Rut Comment Type PHS_12 in Figure as The term "com preamble and Repeated S2_ SuggestedRemedy	PHS_13,D_ se ACCEPT IN e normative e continuou k shall be c 114.2.1 bén ER gure 114-3 part of the nd to refer of s example. tent" should postamble _1 in the lef	27 Response Status W I PRINCIPLE. e. It is suggested to simply is transmission of Transm composed as illustrated in P31 KDPOF Comment Status D is used indistinctly to refer complete PHS and the pr only to the content. The sa d be used to indicate the of to be consistent with the	it Blocks on an ac Figure 114-3. L30 to the sub-block of eamble and postations for S2_12 and content of sub-block rest of text. 114-3. It should be	tive link and that the # 29 composed by the real amble zeroes d S1 that are indicated cks not including the e S2_0.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 114	Page 3 of 23
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 114.2.1	13/05/2015 13:45:50
SORT ORDER: Clause, Subclause, page, line		

C/ 114 SC 114.2.1 P31 L46 # 107 Grow, Robert RMG Consulting RMG Consulting <td< th=""><th>C/ 114 SC 114.2.1 P45 L15 # 105 Grow, Robert RMG Consulting</th></td<>	C/ 114 SC 114.2.1 P45 L15 # 105 Grow, Robert RMG Consulting
omment Type TR Comment Status D Figure 114-3 Zero being prepended to content of control subblocks is ambiguous. Data zeroes are not the same as an analog zero. Data zeroes are not the same as an analog zero. uggestedRemedy Describe better what the 16 symbols of zero actually are (e.g., 16 symbol times of 0 volts. If zero volts, it would be better if illustration in the Transmit Block figure was changed from a box to a line to highlight this.	Comment Type TR Comment Status D Figure 114-20 The switch in the feedback path makes some unstated assumptions about an open circuit. SuggestedRemedy Modify figure to replace switch with a mux and make clear what is the feedback data when generation is completed and result is shifted out. Similar changes to Figure 114-9.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Better description may be provided. Symbols with value 0 does not mean 0 volts. See comment #102 and attached file for proposed text for definition of interface between	Update supporting text accordingly. Proposed Response Response Status W PROPOSED ACCEPT. See comments #74 and #80.
 PCS and PMD. See comment #68 and attached file for proposed text of PMD. Clause 114 defines a PCS transmit function that generate symbols with a rate of 325 Msymbols/s. The symbols can take value from the interval [-256, 256). This interval, as it is defined in C/114, does not relates to any physical magnitude like volts, power, current, etc. Clause 115 defines how the PMD transmit function translates the relative amplitude values of the symbols into optical signal, the optical signal fulfilling some specified parameters like ER, LOP, etc. Electrical levels of PMD service interface are not specified (TP1 is not specified). Said this, symbols with value {0} translate to LOP by the PMD transmit function. Symbols with value -256 translate to P0 optical power and symbols that take ~+256 translate to P1 	Cl 114 SC 114.2.2 P32 L37 # 2 Pérez-Aranda, Rubén KDPOF Comment Type E Comment Status D Pilots S1 and S2 are signals a priori known by the receiver. This property allows to receiver to implement symbol synchronization, timing recovery and equalizer adaptation. SuggestedRemedy Modify text as: Pilots S1 and S2 are predefined signals transmitted in fixed allocatted time slots of the Transmit Block and intended to be used by the receiver for initialization and continuous tracking purposes based on data-aided signal processing. Proposed Response Response Status W PROPOSED ACCEPT. V
optical power, being ER=P1/P0. Editor to incorporate this explanation with editorial licence for grammar and changes to meet IEEE style in C/115.	Cl 114 SC 114.2.2 P32 L39 # 3 Pérez-Aranda, Rubén KDPOF Comment Type E Comment Status D Pilot S1 signal is intended to be used by the receiver for both fast symbol synchronization and for timing recovery SuggestedRemedy To add timing recovery to the purpose of S1 Proposed Response Response Status W PROPOSED ACCEPT. Proposed Response Response Status W
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/ge OMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/writ ORT ORDER: Clause, Subclause, page, line	

C/ 114 SC 114.2.2.1 Pérez-Aranda, Rubén	<i>Р</i> 33 КDPOF	L 38	# 4	C/ 114 SC 114. Pérez-Aranda, Rubén	2.2.2	<i>Р34 КDPOF</i>	L 8	# 30
	Comment Status D t are explained in the text and mal definition should be in ital xt.			This senscence is The pilot S2 consi	x S2 consists not correct. sts of k is used to in	dicate each of the 1		64 256 PAM symbols ding the preamble and
Proposed Response PROPOSED REJECT. Proposed use of italics	Response Status W is inconsistent with 802.3 sty	le for code.		SuggestedRemedy See comment, an S2 pilot: 1664 syn	bols length se			
C/ 114 SC 114.2.2.1 Pérez-Aranda, Rubén	Р 34 КDPOF	L 1	# 5	S2 chunks: 128 sy S2 pilot sub-block Proposed Response	the S2 chunk	t including pre and pointse Status	oostamble.	
Comment Type E Distinguish between pil corresponds SuggestedRemedy See comment	Comment Status D lot S1 signal and pilot S1 sub	block by adding	"content" where	sequence of 1664	entence with: 256-PAM syn each chunk is	Pilot S2 sub-blocks nbols. The 1664 sy	mbols are divide	<pre>k from a pseudo-random d into 13 chunks each of equence of zero symbols</pre>
Proposed Response PROPOSED REJECT.	Response Status W			C/ 114 SC 114. Pérez-Aranda, Rubén	2.3	P 35 KDPOF	L 2	# 34
	stent with Figure 114-3 and d	efinition in 114.2		Comment Type EF	Com	ment Status D		
C/ 114 SC 114.2.2.2 Pérez-Aranda, Rubén	<i>Р</i> 34 КDРОF	L10	# 31	This is not really c		ed and postpended		
Comment Type ER Each S2 pilot sub-block	Comment Status D	ed		SuggestedRemedy Each PHS chunk thus obtaining the		and postpended by	zero valued sequ	uences of 16 symbols,
This is not really correc SuggestedRemedy	t.			Proposed Response PROPOSED ACC	,	onse Status W		
Each S2 pilot chunk is	prepended and postpended b g the 160 symbols length S2 p		equences of 16	Replace "sub-bloc				
Proposed Response	Response Status W							
PROPOSED ACCEPT.	th "chunk"							

C/ 114 SC 114.2.3

C/ 114 SC 114.2.3.1	P35	L16	# 74	C/ 114 SC 114.2.3.4		L 45	# 35
	KDPOF Comment Status D plete. The control signal to m he text description from line			Pérez-Aranda, Rubén Comment Type ER Figure 114-11. Incorre PAM modulator.	KDPOF Comment Status D ct sequence of symbols prov	ided as example	at the output BPSK 2-
SuggestedRemedy The 704 PHD bits are th CRCgen setting. After th CRCout setting and the from S15 to S0. Improved figure is attack	nen used to compute the CR0 ne 704 bits have been serially 16 stored values are the CR0 hed in p802_3bv_D1.0_figure	C-16 with the mu v processed, the C-16. CRC-16 is	ix configured to mux is configured to	SuggestedRemedy To correct figure with t -x0,x0,-x1,x1,-x2,x2,-x Proposed Response PROPOSED ACCEPT	3,x3,-x4,x4 Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W			C/ 114 SC 114.2.3.4 Pérez-Aranda, Rubén	1 <i>P</i> 36 KDPOF	L 51	# 7
Cl 114 SC 114.2.3.3 Pérez-Aranda, Rubén Comment Type ER The number of parity bit Indicate variable p, beca In Equation G(x), elimin SuggestedRemedy See comment Proposed Response PROPOSED ACCEPT.	ause it is used in G(x) equation	L 1 on.	# 33		Response Status W		
Cl 114 SC 114.2.3.3 Pérez-Aranda, Rubén Comment Type E The G(x) coefficients an SuggestedRemedy The G(x) coefficients an	P36 KDPOF Comment Status D e by: e by hexadecimal number:	<i>L</i> 6	# <u>6</u>				
Proposed Response	Response Status W N PRINCIPLE. The G(x) coe	fficients are give	en by the hexadecimal				

C/ 114 SC 114.2.3.4

C/ 114 SC 114 Pérez-Aranda, Rubér		Р 37 КDPOF	L 10	# 36	C/ 114 Pérez-Arar	SC 114.2.4 ida, Rubén	<i>Р37 КDPOF</i>	L19	# 37
Line 11: the bits f bits are encoded	ee Clause 1 [.] rom PCS en by a Multilev	mment Status D 14.2.4.1 are missed. coding are not really ma rel Coset Code that gen FEC and mapping com	erates symbols		114.2. Suggested	xt from line 19 to 4.2 is the right se <i>Remedy</i>	Comment Status D 25 is already repeated in 11 ction to describe scrambler of thes 19 to 25 related to scram	details.	
be separated. Line 15: cross ref	erence is ne	eded to 114.2.1, where			Proposed PROP	Response OSED ACCEPT.	Response Status W		
consists of 28 pa					C/ 114 Pérez-Arar	SC 114.2.4.1 nda, Rubén	<i>Р37 КDPOF</i>	L 39	# 69
Line 11: are er 16-PAM constella		Multilevel Coset Code tł ause 114.2.4.3)	hat generates s	ymbols mapped onto a	Comment	51	Comment Status D	lata processing k	alaak (hinan (aaramblar)
Line 15: add refe Proposed Response		sponse Status W			It is im	portant to indicate	the interface with the next of that the interface between the scrambler is not aware a	Encapsulation a	nd Scrambler is a binary
12, later. Replace "mapped	rence to 114	INCIPLE. 4.2.4.1, because it is rec ncoded by a Multilevel C		Ũ	"This e bit data	sed text: incapsulation use a units, called Ph	s a 64B/65B encoding, with ysical Data Blocks (PDB), w 35/64·1000 = 1015.625 Mbit	hich are serially t	
mapped onto"					Proposed	Response	Response Status W		
the Figure 114-12 SuggestedRemedy	.2.4 R Concoding" is used and the title	P37 KDPOF mment Status D used, but it has not been e of Clause 114.2.4.1.		# 38	With m This ei units, d	ncapsulation uses alled Physical D	N PRINCIPLE. nd IEEE style improvement: s a 64B/65B encoding, with f ata Blocks (PDB), which are f 65/64·1000 = 1015.625 Mb	he output being a serially transmitt	
Replace all "PCS Replace all "64B/	encoding" b 65B PCS en	y "GMII data stream en coding" by "64B/65B er	capsulation" coding"						
figure, use consis with data stream	CEPT IN PR tream encap tent name. encapsulatio	sponse Status W INCIPLE. Isulation, the text is inter Editor to search docum on or "64B/65B encoding r when refering to what	ent for "PCS en g" as appropriat	coding" and replace e (the former in					

C/ 114 SC 114.2.4.1

Cl 114 SC 114.2.4.1 Pérez-Aranda, Rubén	<i>Р37 КDPOF</i>	L 40	# 75	C/ 114 SC 114.2.4.1.1 P38 L11 # 11 Pérez-Aranda, Rubén KDPOF KDPOF
Comment Type TR The GMII data stream e Ethernet preamble or S	Comment Status D encapsulation described in 1 FD, and it is GMII to GMII tr			Comment Type E Comment Status D Type and TYPE are used indistinctly. Several parts of the text.
Therefore, using the ter	le to the last byte of FCS). m "Ethernet packet" is more /65B encoding performs energy met frame.			SuggestedRemedy To use "Type" always. Proposed Response Response Status W
SuggestedRemedy Replace "frame" by "pa	cket". Also in line 41.			PROPOSED ACCEPT IN PRINCIPLE. Editor to search and replace TYPE with "Type" where appropriate (when refering to the first bit of a PDB).
packets). Yes, 1000BA With a possible end-to-e depending on the PHY	Response Status W psulation is of the GMII data SE-H preserves preamble, end path covering multiple I types used (e.g., 1000BASI statement being about end-t	but that is not end nks, preamble ca E-X does not pres	d-to-end transmission. In be modified erve all preamble	Cl 114 SC 114.2.4.1.1 P38 L3 # 10 Pérez-Aranda, Rubén KDPOF Comment Type E Comment Status D I miss a reference to Figure 114-14.
C/ 114 SC 114.2.4.1. Pérez-Aranda, Rubén Comment Type E "to indicate to delimit"	.1 P37 KDPOF Comment Status D	L 48	# 8	SuggestedRemedy Reference to Figure 114-14 after " Type bit is set to 1 and PDB.CTRL is generated". Proposed Response Response Status PROPOSED REJECT. The reference to the figure a bit later in the text is sufficient.
SuggestedRemedy Eliminate "to indicate"				C/ 114 SC 114.2.4.1.1 P38 L41 # 39 Pérez-Aranda, Rubén KDPOF KDPOF
Proposed Response PROPOSED ACCEPT.	Response Status W			Comment Type ER Comment Status D Although bit ordering for each field of CB is formaly indicated in C/114.2.4.1.2, the text should be improved.
 f 114 SC 114.2.4.1. érez-Aranda, Rubén comment Type E TXD <7:0> TX_EN and 	1 P37 KDPOF Comment Status D	L 53	# 9	SuggestedRemedy At the beginning of line 41, replace by: "CTRL<1:0> (CB<7:6>)" Line 44, replace by: "OFS<2:0> (CB<5:3>)" Line 47, replace by: "LEN<2:0> (CB<2:0>)"
Size of the word is not in SuggestedRemedy				Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response PROPOSED REJECT.	Response Status W			

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

C/ 114 SC 114.2.4.1.1 Page 8 of 23 13/05/2015 13:45:50

C/ 114 SC 114.2.4.1 . Pérez-Aranda, Rubén	1 P40 KDPOF	L 4	# 12	C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén	Р 42 КDPOF	L 44	# 14
Comment Type E OFS in the right side of I	Comment Status D Figure 114-15 does not mak	e sense.		"After encapsulation of the G	omment Status D MII data stream and so	rambling it is map	oped into 16-PAM
UggestedRemedy Eliminate OFS of the rig Proposed Response PROPOSED ACCEPT.	Response Status W	L 46	# 76	symbols" It is important to note that the and coset partitioning is also Channel coding and modulat "mapping" is something that and only translates bits at inp	included. The MLCC the ion are unseparable paty typically does not include	hat is used is a "c ints of the same th de any information	oded modulation". hing. The term n addition like parity
7 114 SC 114.2.4.1.4 érez-Aranda, Rubén	1 <i>P</i> 40 KDPOF	L 46	# [76	SuggestedRemedy	w "opodod"		
<i>Comment Type</i> TR Equation is not correct	Comment Status D			Replace the term "mapped" to Proposed Response Re PROPOSED ACCEPT.	sponse Status W		
SuggestedRemedy Replace equation by tha Proposed Response PROPOSED ACCEPT.	it in the attached file p802_3 Response Status W	8bv_D1.0_equat	ions.pdf		P42 KDPOF	L50	# 40
C/ 114 SC 114.2.4.1.2 Grow, Robert	2 P41 RMG Consult	L 4 ing	# 114	The term MLCC is used but i used in the previous paragra SuggestedRemedy		roduced and is no	
Comment Type E PCS 64B/65B encoding	Comment Status D formal definition might be be	-	x	Modify line 45 to relate MLCC before: "In particular, a Multilevel Co		U	•
SuggestedRemedy Create normative Annex	and move content			Proposed Response Re PROPOSED ACCEPT.	sponse Status W		
Proposed Response PROPOSED REJECT.	Response Status W			C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén	P 43 KDPOF	L10	# 41
C/ 114 SC 114.2.4.2 Pérez-Aranda, Rubén	<i>Р42</i> КDPOF	L 27	# 13	,	omment Status D	ubda (used to ind	icate lattice
Comment Type E	Comment Status D			transformations) should be "t			
typo: "format definition"				SuggestedRemedy Replace in figure "tau" by "t"			
SuggestedRemedy Replace by "formal defir	nition"				sponse Status W		
Proposed Response	Response Status W			PROPOSED ACCEPT.			

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

Cl	114	
SC	114.2.4.3	

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C/ 114 SC 114. Pérez-Aranda, Rubén	2.4.3	P 43 KDPOF	L 39	# 77	C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén	.1 <i>P</i> 44 KDPOF	L19	# [16
Comment Type TF Equations for num	Comment		ectral efficincy are	not correct.	Comment Type E Figure 114-19: nb,dem	Comment Status D ux(2)=3 bits is indicated, bu	t not nb,demux(1)=	-4. I think both or none.
	uses nb that is not is a copy of previou		to use n_b (subso	cript)	SuggestedRemedy To eliminate nb,demux	(2)=3 of the figure.		
General, limits of s SuggestedRemedy	summation should b	be nearer to up	per case sigma s	ymbol.	Proposed Response PROPOSED ACCEPT	Response Status W		
The summation lir	by that in the attach nits could be in line ed document, to av	with sumation	symbol (upper ca		Cl 114 SC 114.2.4.3 Pérez-Aranda, Rubén	.2 P44 KDPOF	L 42	# 43
Proposed Response PROPOSED ACC	Response		g mir toxt.		Comment Type ER Number 9 inserted with g(i) can only take value			
C/ 114 SC 114. Pérez-Aranda, Rubén	2.4.3.1	<i>Р43 КDPOF</i>	L 53	# 15	SuggestedRemedy To eliminate 9.			
0	<i>Comment</i> re 114-19 not inclue				Proposed Response PROPOSED ACCEPT Remove 9 and period.	Response Status W		
SuggestedRemedy Add reference to F Proposed Response PROPOSED ACC	Response	Status W			C/ 114 SC 114.2.4.3 Pérez-Aranda, Rubén Comment Type E	KDPOF Comment Status D	L 45	# [17
SuggestedRemedy		exist.	L14	# 42	Typo error in polynomia SuggestedRemedy Replace by C0C4. The second hexa digit Proposed Response PROPOSED ACCEPT	should be ZERO, no upper <i>Response Status</i> W	case letter "O".	
Proposed Response PROPOSED ACC	Response							

C/ 114 SC 114.2.4.3.2

C/ 114 SC 114.2.4.3.2 P44 L48 # 78 Pérez-Aranda, Rubén KDPOF	C/ 114 SC 114.2.4.3.2 P45 L8 # 80				
Comment Type TR Comment Status D The equation is not correct; parenthesis order. In addition, the equation should be inserted after line 41, where G(x) is introduced, instead of line 48.	Comment Type TR Comment Status D Text and Figure 114-20 describing the BCH encoder should be improved. In Figure 114-20, the feedback values g(i)·x^i are undefined when switch is connected to position BCHout.				
SuggestedRemedy Replace equation by that in the attached file p802_3bv_D1.0_equations.pdf. Move upwards the equation. Inline or separated line Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy Suggested text: "The delay elements s_0, s_1,, s_p-1 shall be initialized to zero before encoding. All the bits composing the information message are used to calculate the parity and enter the BCH encoder in the same order provided by the MLCC demultiplexer with the muxes indicated i Figure 114-20 connected with BCHgen setting. After all the k bits have been serially				
C/ 114 SC 114.2.4.3.2 P44 L52 # 79 Pérez-Aranda, Rubén KDPOF KDPOF Image: state st	processed, the muxes are configured to BCHout setting and the p stored values s_0, s_1,, s_p-1 are the parity bits. The parity bits are then transmitted in the order from s_p-1 to s_0"				
Comment Type TR Comment Status D - k, n and p have not been introduced before. k_c, n_c and p_c were introduced, and they should be used in equations. "_" indicates subscript.	Improved figure is attached in p802_3bv_D1.0_figures.pdf Proposed Response Response Status W PROPOSED ACCEPT.				
 Equations for M(x), S(x) and C(x) should add an ellipsis between the quadratic term of the polynomial and the highest order term, since in general terms in between will exist. Also affects to pg. 52, where M(x), S(x) and C(x) are involved. 	C/ 114 SC 114.2.4.3.3 P46 L53 # 81 Pérez-Aranda, Rubén KDPOF				
SuggestedRemedy Replace k with k_c, n with n_c and p with p_c. Add ellipsis to polynomials M(x), S(x) and C(x). E.g. M(x) = m_0 + m_1*x + m_2*x^2 + + m_(k-1)*x^(k-1)	Comment Type TR Comment Status D Equations for Gray to Bin converter are not correct. SuggestedRemedy				
Proposed Response Response Status W PROPOSED ACCEPT.	Replace equations by those in the attached file p802_3bv_D1.0_equations.pdf. Proposed Response Response Status PROPOSED ACCEPT.				
	C/ 114 SC 114.2.4.3.3 P47 L6 # 18 Pérez-Aranda, Rubén KDPOF <				
	Comment Type E Comment Status D " more significant bit (MSB)"				
	SuggestedRemedy Replace by "most significant bit (MSB)"				
	Proposed Response Response Status W				

C/ 114 SC 114.2.4.3.3 Page 11 of 23 13/05/2015 13:45:50

C/ 114 SC 114.2.4.3.4 P 48 Pérez-Aranda. Rubén KDPOF	L 26	# 44	C/ 114 SC 114.2.4.3.4 Pérez-Aranda. Rubén	<i>Р49</i> КDPOF	L11	# 45
Comment Type ER Comment Status D			Comment Type ER	Comment Status D		
Lattice transformation indicated in Figure 114-18 is lar	mbda 1^t(l) but no	ot lambda 1 1^t(l)	Bad reference to Figure 8			
Please, note that lambda_1^t(I) is composed by the co			0			
lambda_1,1^t(l) and lambda_1,2^t(l). In Figure 114-18 the complete operation lambda_1^t(l) is indicated		SuggestedRemedy Replace by reference to I	Figure 111-24		
) is indicated.		Proposed Response	0		
SuggestedRemedy Replace lambda 1,1^t(l) with lambda 1^t(l).			PROPOSED ACCEPT.	Response Status W		
At the end of line 26, eliminate "./"						
Proposed Response Response Status W			C/ 114 SC 114.2.4.3.4	P 49	L 4	# 106
PROPOSED ACCEPT.			Grow, Robert	RMG Consulting		
	1.00		Comment Type ER	Comment Status D		
C/ 114 SC 114.2.4.3.4 P48 Pérez-Aranda, Rubén KDPOF	L 39	# 47	Unreadable inline equation	n.		
			SuggestedRemedy			
Comment Type ER Comment Status D			Enter in FrameMaker			
C is used to indicate the field of complex numbers. It s number and C indicates the field of complex numbers			Proposed Response	Response Status W		
SuggestedRemedy	J		PROPOSED ACCEPT.			
See comments.			C/ 114 SC 114.2.4.3.4	P 49	L7	# 83
Proposed Response Response Status W			Pérez-Aranda, Rubén	KDPOF	LI	# 03
PROPOSED ACCEPT IN PRINCIPLE.			,	Comment Status D		
Add at the beginning of line 42:			Comment Type TR Equation is not correct.			
"where C indicates the the field of complex numbers."			•			
Later is explained that x is considered a complex num			SuggestedRemedy	in the attached file p202. 2by	D1 0 equations ad	<i>c</i>
transformations, therefore no more information is cons	sidered to be adde	d here.		in the attached file p802_3bv_	D1.0_equations.pd	Ι.
C/ 114 SC 114.2.4.3.4 P48	L 48	# 82	Proposed Response	Response Status W		
Pérez-Aranda, Rubén KDPOF			PROPOSED ACCEPT.			
Comment Type TR Comment Status D						
Equation of lattice transformation is not correct.						
The summation is superscript of 2 and parenthesis of	last superscript are	e not correct.				
SuggestedRemedy						
Replace equation by that in the attached file p802_3b	v_D1.0_equations.	.pdf.				
Proposed Response Response Status W						
Proposed Response Response Status W						

C/ 114 SC 114.2.4.3.4 Page 12 of 23 13/05/2015 13:45:50

Cl 114 SC 114.2.4.4 Pérez-Aranda, Rubén	<i>Р</i> 50 КDPOF	L 1	# 46	C/ 114 SC 114.2.4.7 P53 L18 # 86 Pérez-Aranda, Rubén KDPOF KDPO					
Comment Type ER	4.2.4.3.6 4.2.4.3.7	on belongs to Co	oded 16-PAM	Comment Type TR Comment Status D Figure 114-31 is not correct. u(m) is the signal in the input of modulo operation. v signal has to add to output of multiplier, but not substract. SuggestedRemedy Improved figure is attached in p802_3bv_D1.0_figures.pdf.					
SuggestedRemedy See comment and chan	nge labeling of sections.			Proposed Response Response Status W PROPOSED ACCEPT.					
Proposed Response PROPOSED ACCEPT.	Response Status W			C/ 114 SC 114.2.4.8 P53 L33 # 48 Pérez-Aranda, Rubén KDPOF KDPOF <t< td=""></t<>					
C/ 114 SC 114.2.4.5 Pérez-Aranda, Rubén Comment Type TR	P 50 KDPOF Comment Status D	L 45	# 84	Comment Type ER Comment Status D "The coefficients of the finite-impulse response (FIR) feedback filter b(i) are dynamically adapted using the PMD"					
Proposed Response	at in the attached file p802_3 <i>Response Status</i> W	bv_D1.0_equati	ons.pdf.	SuggestedRemedy Replace PMD by PHD. Proposed Response Response Status W PROPOSED ACCEPT.					
PROPOSED ACCEPT. C/ 114 SC 114.2.4.5	P 51	L 21	# 85	C/ 114 SC 114.2.4.8 P53 L45 # 87 Pérez-Aranda, Rubén KDPOF Comment Type TR Comment Status D					
	KDPOF Comment Status D 4-24 is not valid, it should be 5, 2^ceil(psi)-1) is not correct.			Equation is not correct. Replace v(m) by y(m). It should be indicated that M takes the value of 16 in the text. This is because the symbols that are precoded belongs to a constellation 16-PAM, taking values {-15, -13, +13, +15}.					
Replace equation by Y=	ure as indicated in comment. mod(X, 2^ceil(psi)) (eliminat	e the term -1).		SuggestedRemedy See comment. Proposed Response Response Status W					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete, Figure 114-24 shows, begin the sentence with The and add a verb.		a verb.	PROPOSED ACCEPT IN PRINCIPLE. Equation will be corrected.						
				Add after bunch of equations: "M = 16 because the symbols at the input of THP belongs to a constellation 16-PAM that takes values in the set {-15, -13, +13, +15}" with granting editorial license to editor for grammatical improvement.					

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 114	Page 13 of 23
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 114.2.4.8	13/05/2015 13:45:50
SORT ORDER: Clause, Subclause, page, line		

C/ 114 SC 114.3 P L # 101 Pérez-Aranda, Rubén KDPOF KDPOF	C/ 114 SC 114.3 P54 L27 # 19 Pérez-Aranda, Rubén KDPOF
Comment Type ER Comment Status D The term "state machine" is used instead of "state diagram" SuggestedRemedy	Comment Type E Comment Status D The sentence "The PHD sub-blocks support reliable exchange of information to optimize link operation" is redundant with the next sentence about PHS and may produce confusion. Moreover, PHS sub-blocks are defined in 114.2.3 but not PHD sub-blocks.
Replace "state machine" with "state diagram" in all the text. Proposed Response Response Status PROPOSED ACCEPT. Cl 114 SC 114.3 P54 L23 # 49	SuggestedRemedy Replace by: "PHD information is encoded into the Physical Header Subframe (PHS) as defined in 114.2.3. The PHS is transmitted periodically once per Transmit Block split in 14 PHS sub- blocks and the modulation and"
Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D Organization of the clause 114.3 may be improved to be more clear. Also some modifications for titles of the sub-clauses are suggested. SuggestedRemedy SuggestedRemedy 114.3 - Physical Medium Attachment (PMA)	 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The PHS isn't transmitted periodically, chunks of it are. Suggested: "PHD information is encoded into the PHS as defined in 114.2.3. The PHS is transmitted once per Transmit Block. The PHS is divided into 14 chunks, each chunk being conveyed in a PHSx sub-block. The modulation and"
 114.3.1 - Physical Header Data (PHD) 114.3.2 - PMA control state diagrams description 114.3.2.1 - PHY RX control state diagram 114.3.2.2 - PHY TX control state diagram 114.3.2.3 - Link monitor state diagram 114.3.2.4 - PHD monitor state diagrams 114.3.2.5 - Adaptive THP protocol 114.3.2.5 - Adaptive THP TX state diagram 114.3.2.6 - PHY quality monitor state diagram 114.3.2.7 - PMA control state variables (This sub-clause should include the definition of all the state variables, so only one sub-clause is devoted to that.) 114.3.3 - Fixed-point format formal definition 114.4 - Test modes (all test modes under the same sub-clause) 114.5 - Operations, Administration, and Maintenance (OAM) channel 114.6 - Energy Efficient Ethernet (EEE) 	Cl 114 SC 114.3 P55 L52 # 57 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D The titles of figures do not agree with the text. SuggestedRemedy Figure 114-33 - PHY RX control state diagram Figure 114-34 - PHY TX control state diagram Figure 114-35 - Link monitor state diagram Figure 114-36 - Local PHD reception monitor state diagram Figure 114-38 - PHD monitor state diagram Figure 114-38 - PHD monitor state diagram Figure 114-39 - Adaptive THP TX state diagram Figure 114-39 - Adaptive THP REQ state diagram Figure 114-40 - Adaptive THP REQ state diagram Figure 114-41 - PHY quality monitor state diagram Figure 114-41 - PHY quality monitor state diagram Figure 114-41 - PHY quality monitor state diagram Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Accept modification of sub-clauses titles and organization. It is 802.3 practice to put all the variables used in a state diagram next to the state diagram, not lump them together.	PROPOSED ACCEPT.

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

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Cl 114 SC 114.3.1 Pérez-Aranda, Rubén	<i>Р</i> 56 КDPOF	L13	# 50	C/ 114 SC 114.3.2.1.1 Pérez-Aranda, Rubén	<i>Р</i> 58 КDPOF	L 24	# 52
Comment Type ER Bad references in table - pg 56, line 13: replace - pg 56, line 18: replace	114.3.2 by 114.3.2.2			Comment Type ER Com PMA receive function is not def SuggestedRemedy	nment Status D fined at all.		
- pg 56, line 21: replace SuggestedRemedy See comment Proposed Response PROPOSED ACCEPT.				· · · · ·	eceive function" by " eceive function" by "l eceive function" by "l	PHY receiver" PHY receiver" PHY receiver"	ration"
C/ 114 SC 114.3.1 Pérez-Aranda, Rubén	<i>Р</i> 56 КDPOF	L 29	# 51	PROPOSED ACCEPT. C/ 114 SC 114.3.2.1.2	P59	L11	# 54
	Comment Status D fiels of Table 114-2 is not control defined in 114.3. The function			Pérez-Aranda, Rubén Comment Type ER Com PMA transmit function is not de	KDPOF Inment Status D Inned at all.		
PCS. SuggestedRemedy	by: "Indicates whether local F		red PHD to determine	SuggestedRemedy Pg 59, line 11, replace "PMA Ti Proposed Response Resp PROPOSED ACCEPT.	ransmit function" by ' bonse Status W	'PHY transmitter o	operation"
Pg 56, line 35, replace b "	-	HV is able to "					
Pg 56, line 35, replace b " Pg 56, line 40, replace b Pg 56, line 45, replace b "	by: "Indicates whether local F by: "The local PHY shall use	this field of receive		Cl 114 SC 114.3.2.1.2 Pérez-Aranda, Rubén	<i>Р</i> 59 КDPOF	L13	# 55
Pg 56, line 35, replace b " Pg 56, line 40, replace b Pg 56, line 45, replace b "	y: "Indicates whether local F	this field of receive		Pérez-Aranda, Rubén Comment Type ER Com Line 13, bad reference to [1] Line 17, bad reference to 114.3	KDPOF Inment Status D	L13	# <u>55</u>
Pg 56, line 35, replace b " Pg 56, line 40, replace b Pg 56, line 45, replace b " Pg 57, line 10, replace b " Proposed Response	by: "Indicates whether local F by: "The local PHY shall use by: The local PHY shall use t	this field of receive		Pérez-Aranda, Rubén Comment Type ER Com Line 13, bad reference to [1]	KDPOF Inment Status D 3.1 on 3.1.5	L13	# 55

C/ 114 SC 114.3.2.1.2

PROPOSED ACCEPT. Ci 114 SC 114.3.2.1.3 P59 L31 # 56 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Resp	# 58				
SuggestedRemedy Replace by 114.3.2.1.5. Proposed Response Response Status PROPOSED ACCEPT. CI 114 SC 114.3.2.1.3 P59 L31 # 56 Deterz-Aranda, Rubén KDPOF Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 P59 P100 COSED ACCEPT. P106 (Line 31, replace "PMA Clock Recovery function" by "PHY clock P165, line 13, replace "PMA Clock Recovery function" by "PHY clock P165, line 14, replace t"PMA Clock Recovery function" by "PHY clock P165, line 14, replace that ference to Section 3.4 (Sause 114.3.1 P165) SuggestedRemedy Replace by Clause 114.3.2.3 ProposeD ACCEPT IN PINCIPLE. Should be simply 114.3.2.3. P000 COSED ACCEPT IN PINCIPLE. Should be simply 114.3.2.3. P000 COSED ACCEPT IN PINCIPLE. P105 (Line 32, replace "PMA Receive function" by "PHY Cerver" P16 (Line 3, replace "PMA Receive function" by "Adaptive THP F19 (P16, line 42, replace "PMA Receive function" by "PHY Cerver" P16 (Line 3, replace "PMA Receive function" by "PHY Cerver" P16 (Line 3, replace "PMA Receive FUNCT Intention" by "PHY Reserver" P16 (Line 3, replace "PMA Receive FUNCT Intention" by "PHY Cerver" P16 (Line 3, replace "PMA P14 Control function" by "PHY Cerver" P16 (Line 42, replace "PMA P2 Control function" by "PHY Cerver" P16 (Line 41, replace "PMA Receive FUNCT Intention" by "PHY P14 Receiver" P16 (Line 41, replace "PMA Receive FUNCT Intention" by "PHY P14 Receiver" P16 (Line 41, repl					
Suggested/Remedy Replace by 114.3.2.1.5. Proposed Response Catuus W PROPOSED ACCEPT. Cf 114 SC 114.3.2.1.3 P59 L31 # 56 Defere2-Aranda, Ruben KDPOF Bad reference to section 3.3 Suggested/Remedy Replace by Clause 114.3.2.3 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. PG 5, line 32, replace "PMC Rock Recovery function" by TeHY clock PG 65, line 20, replace "PMC Rock Recovery function" by TeHY clock PG 65, line 20, replace "PMC Rock Recovery function" by TeHY clock PG 65, line 20, replace "PMC Rock Recovery function" by TeHY clock PG 65, line 20, replace "PMC Rock Recovery function" by TeHY clock PG 66, line 14, replace by Clause 114.3.1 Pg 65, line 20, replace "PMC Rock Recovery function" by TeHY clock PG 66, line 14, replace by Clause 114.3.2.3 PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. PG 65, line 20, replace "PCS Receive function" by TeHD receivefine PG 65, line 20, replace "PCS Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA Receive function" by TeHD receivefine PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control function" by TeHT YE state PG 66, line 10, replace "PMA PHY Control	-				
Proposed Response Response Status W PROPOSED ACCEPT. G 4, line 31, eliminate "It is set by the PMA reset" CI 114 SC 114.3.2.1.3 P59 L31 # 56 Pérez-Aranda, Ruben KDPOF KDPOF PG 64, line 51, replace "PMA Receive function" by "THY quality monitor Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. PG 5, line 32, replace "PMA Receive function" by "remote PHD receiver machines" Pg 66, line 10, replace "PMA Receive function" by "remote PHD receiver function" by "remote PHD receiver" PG 6, line 32, replace "PMA Receive function" by "PHD monitor state PG 66, line 32, replace "PMA Receive function" by "PHD monitor state PG 66, line 2, replace "PMA Receive function" by "PHD monitor state PG 66, line 2, replace "PMA Receive function" by "PHD monitor state PG 66, line 2, replace "PMA PHY Control function" by "PHD monitor state PG 66, line 10, replace "PMA PHY Control function" by "PHY Receive function" by "PHV monitor state PG 66, line 10, replace "PMA PHY Control function" by "PHV monitor state PG 66, line 10, replace "PMA PHY Control function" by "PHY Receive function" by "PHV monitor state PG 66, line 10, replace "PMA PHY Control function" by "PHY Receive function	oncrete functions.				
PROPOSED ACCEPT. Ci 114 SC 114.3.2.1.3 P59 L31 # 56 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Proposed Response Resp					
CI 114 SC 114.3.2.1.3 P59 L31 # 56 DeParez-Aranda, Rubén KDPOF FG					
Comment Type ER Comment Status D Bad reference to section 3.3 SuggestedRemedy Replace by Clause 114.3.2.3 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Pg 65, line 36, replace "PMA Receive function" by "PHY receiver" Pg 65, line 42, replace "PMA Receive function" by "PHY receiver" Pg 65, line 36, replace "PMA Receive function" by "PHY receiver" Pg 65, line 42, replace "PMA Receive function" by "PHY receiver" Pg 65, line 36, replace "PMA Receive function" by "PHY receiver" Pg 66, line 4, replace "PMA PHY Control function" by "PHY receiver" Pg 66, line 4, replace "PMA PHY Control function" by "PHY receiver" Pg 66, line 4, replace "PMA PHY Control function" by "PHY receiver" Pg 66, line 4, replace "PMA PHY Control function" by "PHY Reviewer" Pg 66, line 4, replace "PMA PHY Control function" by "PHY Reviewer" Pg 66, line 4, replace "PMA PHY Control function" by "PHY Reviewer" Pg 66, line 4, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 4, replace "PMA PHY Control function" by "PHY Reviewer" Pg 66, line 4, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 4, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 4, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 17, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 20,	r state machine"				
SuggestedRemedy Pg 65, line 28, replace "PMA Receive function" by "local PHD reception machine" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Pg 65, line 32, replace "PCS Receive function" by "PHD monitor state Pg 65, line 42, replace "PMA Receive function" by "PHD monitor state Pg 66, line 3, replace "PMA Receive function" by "PHT receiver" Pg 66, line 3, replace "PMA Receive function" by "PHT receiver" Pg 66, line 42, replace "PMA Receive function" by "PHT receiver" Pg 66, line 42, replace "PMA PHY Control function" by "PHT receiver" Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 26, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 26, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 26, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 26, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 10, replace "PMA PHY Control function" by "PHT YR state Pg 66, line 26, replace Response Proposed Response Response Status W Proposed Response Response Status W	encoder and decoder,				
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Should be simply 114.3.2.3. Should be simply 114.3.2.3. Pg 65, line 42, replace "PMA Receive function" by "PHD monitor state Pg 65, line 42, replace "PMA PHY Control function" by "PHY receiver" Pg 66, line 2, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 4, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 27, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 27, replace "PMA PHY Control function by "PHY RX state Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. C// 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF	on monitor state				
Should be simply 114.3.2.3. Pg 65, line 42, replace "PMA Receive function" by "PHD monitor state Pg 65, line 42, replace "PMA PHC Control function" by "adaptive THP F Pg 66, line 3, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 27, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 27, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function by "PHY RX state Pg 66, line 27, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 26, replace "PMA PHY Control function" by "PHY FX Pg 67 Comment State					
Pg 66, line 2, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 3, replace "PMA Receive function" by "PHY" Pg 66, line 4, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 17, replace "PMA PHY Control function" by "PHY TX state Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. C/ 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	ceive function" by "PHD monitor state machine"				
Pg 66, line 4, replace "PMA PHY Control function" by "adaptive THP F Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 17, replace "PMA PHY Control function" by "PHY TX state Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. C/ 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	REQ state machine"				
Pg 66, line 10, replace "PMA PHY Control function" by "PHY RX state Pg 66, line 17, replace "PMA PHY Control function" by "PHY TX state Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. C/ 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	PEO atata maghina"				
Pg 66, line 26, replace "PMA and PCS" by "PHY", same for line 28 In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. C/ 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	machine"				
In general, indentation of variables description and values that can tak the text. Proposed Response Response Status W PROPOSED ACCEPT. CI 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	machine"				
PROPOSED ACCEPT. Cl 114 SC 114.3.2.2 P66 L49 Pérez-Aranda, Rubén KDPOF Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy SuggestedRemedy	e would help to follow				
Pérez-Aranda, Rubén KDPOF <i>Comment Type</i> ER <i>Comment Status</i> D PMA receive function is not defined. <i>SuggestedRemedy</i>					
Comment Type ER Comment Status D PMA receive function is not defined. SuggestedRemedy	# 59				
PMA receive function is not defined. SuggestedRemedy					
Pg 66, line 49, replace "PMA receive function" by "PHY", the same for	[.] line 50.				
Proposed Response Response Status W PROPOSED ACCEPT.					

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 114.3.2.2 13/05/2015 13:45:50 SORT ORDER: Clause, Subclause, page, line

C/ 114 SC 114.3.2.2 Pérez-Aranda, Rubén	Р 67 КDPOF	L1	# 70	C/ 114 Pérez-Aran	SC 114.3.2. ida, Rubén		<i>P</i> 68 DPOF	L 38	# 71
SuggestedRemedy	Comment Status D he cursor of inter-symbol inter			receive	y the PHY receipt them starting i	Comment St iver is not receivir n the next receive g the mode of the	ng payload d ed Transmit	Block, since the F	H precoded, but it shall REMPHD carries
Replace by: "FFF comp	ensates the cursor and pre-	cursor ISI and wh	itens the noise"	Suggested	Remedy				
Proposed Response PROPOSED ACCEPT.	Response Status W			"The lo		er shall receive pa			ecoded with the I from link partner"
C/ 114 SC 114.3.2.2 Pérez-Aranda, Rubén	Р 67 КDPOF	KDPOF		Proposed F PROP	•	Response Sta	atus W		
51	mment Type E Comment Status D Replace sections by clauses			Granting editorial license to editor for gramatical improvements.					
SuggestedRemedy See comment				C/ 114 Pérez-Aran	SC 114.3.2. ida, Rubén		Р 70 DPOF	L 31	# 60
Proposed Response PROPOSED ACCEPT See comment #89.	Response Status W IN PRINCIPLE.			althoug	al PMA/PCS fun	functionalities be	ed in state v		on, but these functions concrete functions.
C/ 114 SC 114.3.2.2.		L 35	# 21	Suggested	Remedy				
Pérez-Aranda, Rubén Comment Type E Condition for transition i SuggestedRemedy Replace by: "new_rxphd_event = TF thp_setid" Proposed Response PROPOSED ACCEPT.	RUE * hdr_crc16_status = O Response Status W	OK * REMPHD.TX.NEXT.THP.SETID =		Pg 70, Pg 70, Pg 70, Pg 70, Pg 70, Pg 71, Pg 71, Pg 71, Pg 71, Pg 71,	line 36, replcae line 41, replace line 41, replace line 47, replace line 50, replace line 1, replace line 3, replace line 9, replace line 9, replace line 15, replace	PCS Transmit f "transmitter bloc PMA PHY Cont PCS Receive fur bad reference 2 b PCS Receive fur bad reference 2 b PCS Receive fur bad PHY Contro PMA PHY Contro PMA PHY Contro PMA Receive fur PMA Receive fur	k" by "Trans rol function" unction" by 'i by Clause 1 iction" by "re y Clause 11 bl" by "Adap rol" by "Adap notion" by "	mit Block" by "adaptive THF "PHY transmitter" reception of PHD 14.3.1 or eliminate ception of PHD" 4.3.1 or eliminate tive THP REQ st ptive THP REQ s PHY receiver"	P TX state machine" " te it. e it. ate machine"
				In gene the text		of variables desc	cription and	values that can ta	ake would help to follow
				Proposed F PROP	Response OSED ACCEPT	Response Sta	atus W		

C/ 114 I SC 114.3.2.2.3

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C/ 114 SC 114.3.2.3	P 71	L 48	# 22	C/ 114 SC 114.3.2.3.1 P73 L39 # 61
érez-Aranda, Rubén	KDPOF			Pérez-Aranda, Rubén KDPOF
comment Type E	Comment Status D			Comment Type ER Comment Status D
It is the first time the term	n "detector" is used and ma	y be no clear.		PMA Receive function is indicated in state variables description, but this function, althout
SuggestedRemedy				described as functionality before, it is not defined as concrete function. Text should be improved.
I suggest to replace by " Also for Pg 72, lines 1, 7				SuggestedRemedy
Proposed Response	Response Status W			Replace "PMA Receive function" by "PHY receiver"
PROPOSED ACCEPT.				Proposed Response Response Status W
				PROPOSED ACCEPT.
C/ 114 SC 114.3.2.3 Pérez-Aranda, Rubén	Р 72 КDPOF	L 10	# 88	C/ 114 SC 114.3.4 P74 L27 # 67
				Pérez-Aranda, Rubén KDPOF
Comment Type TR	Comment Status D	+		Comment Type ER Comment Status D
	(LM) definition is not correc	L		Propose text for Test modes
SuggestedRemedy				SuggestedRemedy
Elminate parenthesis arc	bund (LM =)			Proposed text is attached in gepof test modes v1.0.docx
Proposed Response	Response Status W			Proposed Response Response Status W
PROPOSED ACCEPT.				PROPOSED ACCEPT IN PRINCIPLE.
C/ 114 SC 114.3.2.3	P 72	L 26	# 23	Editor to incorporate with editorial licence for grammar and changes to meet IEEE style.
Pérez-Aranda, Rubén	KDPOF			C/ 114 SC 114.4 P74 L32 # 66
Comment Type E	Comment Status D			Pérez-Aranda, Rubén KDPOF
Threshold value S is not	defined. This is a typo			Comment Type ER Comment Status D
SuggestedRemedy				Propose text for OAM sub-clause
Replace by upper case s	igma.			SuggestedRemedy
Proposed Response	Response Status W			Proposed text is attached in gepof oam channel v1.2.docx
PROPOSED ACCEPT.				Proposed Response Response Status W
				PROPOSED ACCEPT IN PRINCIPLE. Editor to incorporate with editorial licence for grammar and changes to meet IEEE style.

C/ 114 SC 114.4

1/ 114 SC 114.5 P74 L37 # 10	
érez-Aranda, Rubén KDPOF	Pérez-Aranda, Rubén KDPOF
omment Type TR Comment Status D	Comment Type T Comment Status D
Improved proposed text for EEE.	The PMD service interface should defined in Clause 115 (PMD). Actually, the service
uggestedRemedy	interface primitives here defined are a requirement for any PMD attached to a 1000BASE- PMA.
Proposed text is attached in gepof_energy_efficient_ethernet_v1.2.docx	
oposed Response Response Status W	Line 46. The term "timing" is too generic and can produce confusion.
PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy
Editor to incorporate with editorial licence for grammar and changes to meet IEE	E style. Modify wording: "Since special control signaling is required to implement LPI mode, any PMD attached to a
114 SC 114.5 P74 L39 # 72	
érez-Aranda, Rubén KDPOF	
omment Type T Comment Status D	Eliminate reference to Figure 114-43 in pg 75, line 29, and the figure itself in pg 76. This figure should be included in any PMD clause suitable to be attached to 1000BASE-H.
Actually auto-negotiation functionality is not defined, therefore this term should no	t be used.
JagestedRemedy	Pg 75, line 46. Eliminate the sentence.
Eliminate "through auto-negotiation".	Proposed Response Response Status W
	PROPOSED ACCEPT.
In line 41, after first point, add: "It is required that the two link partners indicate PHD.CAP.LPI = 1 to enable bidirectional EEE functionality. PHD.CAP.LPI = 1 ad	vertising C/ 114 SC 114.5 P75 L34 # 62
indicates to link partner that the local PHY can generate Transmit Blocks accordi	ng to LPI Pérez-Aranda, Rubén KDPOF
operation and it is able to accept Transmit Blocks from link partner conformed ac	cording to Comment Type ER Comment Status D
LPI operation."	PMA Transmit and Receive functions are not defined, however they are referenced.
oposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT IN PRINCIPLE.	Line 34. replace "PMA" by "PCS"
It should be rewritten to include a "shall" rather than "it is required"	Line 38, replace "PMA" by "PCS"
	Line 40, replace "PMA" by "PCS"
	Proposed Response Response Status W

C/ 114 SC 114.5

C/ 114 SC 114.5.1 Pérez-Aranda, Rubén	<i>Р76 КDPOF</i>	L 18	# 24	C/ 114 Pérez-Aran	SC 114.5 . da, Rubén	3 P7 KDP	-	L 7	# 25
Comment Type E Co Reference to Table 114-1 do	omment Status D es not provide enough	information.			114-3 and 1	Comment Status	uded within	the correspo	onding tables of clause
PROPOSED REJECT.	sponse Status W	Suggested Move ta Proposed F PROPO	Remedy ables to the o Response	not be included in this c orreponding rows of tal <i>Response Status</i> PT IN PRINCIPLE.	oles of Claus	se 78.			
I favor the table reference as it is more specific to the point, what Assert_LPI is. If the reader doesn't understand how or where that encoding fits, they are free to read the information describing the table. The reference to the entire subclause is insufficient to find what the point of including the reference in the sentence was (the four values).				C/ 114 Grow, Robe	SC 114.6	P7 RMG	78 Consulting	L1	# 91
C/ 114 SC 114.5.3 Grow, Robert	P 77 RMG Consult	L 25 ing	# 90	<i>Comment 1</i> Editor r		Comment Status erate a PICs based on o	-	f shalls cont	ained in the clause te
The two tables belong in Clause 78 changes as inserts to existing tables. The paragraph also needs to be edited. Additionally, we need to list 1000BASE-RH in Table 78-1. <i>SuggestedRemedy</i> Change the paragraph at line 25 to read: Additional LPI timing parameters for 1000BASE-RH are defined in Clause 78. Note that the 24.82 usec in Table 78-4 is the time needed to					mment. Response DSED ACCE SC 115	Response Status PT. P8		<i>L</i> 1	# 68
transmit a pilot or physical he				C/ 115 Pérez-Aran		KDP	OF	- 1	<i>"</i> 00
In clause 78: Insert new row below into Table 78-1 after 1000BASE-KX: <table 78-1="" title=""> PHY or interface type Clause 1000BASE-RH 114, 115</table>					Remedy	Comment Status D type 1000BASE-RH ached in gepof_pmd_su		.docx	
						Response Status PT IN PRINCIPLE.			
Insert new 1000BASE-RH rov				Editor t	o incorporate	with editorial licence for	or grammar a	and changes	S TO MEET IEEE STYLE.
Insert new 1000BASE-RH ro			Е-КХ:						
<pre><what 114-4,="" accept.<="" is="" now="" pre="" proposed="" real="" response="" table="" wi=""></what></pre>	th table title of Table 74 sponse Status W	3-4>							

C/ 115 SC 115

C/ 115 SC 115.12 Grow, Robert	P86 RMG Consulting	L19	# 92	C/ 115 SC 115.2.2 P82 L33 # 97 Satoshi Takahashi POF promotion
after new text is added. SuggestedRemedy	Comment Status D e a PICs based on occurance of	shalls conta	ined in the clause text	Comment Type T Comment Status D Lowest ambient temperature for Type B shall be -40 C.(Table 115-1, 2nd line, 2nd row) SuggestedRemedy Change "-45" to "-40"
See comment. Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 115 SC 115.2.2 Satoshi Takahashi	P82 POF promotion	L15	# 96	Cl 115 SC 115.2.2 P82 L34 # 99 Satoshi Takahashi POF promotion
Comment Type T	Comment Status D			Comment Type E Comment Status D (Table 115-1, 3rd line, 3rd row)
uggestedRemedy	Il be optional, not mandatory.			SuggestedRemedy Change "4inline" to "4 inline", "0inline" to "0 inline".
Delete "Micro-pigtail / le Proposed Response PROPOSED ACCEPT.	ns Response Status W			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
C/ 115 SC 115.2.2	P 82	L 33	# 98	Replace "4inline" with "4 inline" Replace "0inline" with "no inline"
atoshi Takahashi <i>Comment Type</i> E (Table 115-1, 3rd line, 2	POF promotion Comment Status D			C/ 30 SC P L # 93 Grow, Robert RMG Consulting
CuggestedRemedy Change "85C" to "85 C" Proposed Response	Response Status W			Comment Type T Comment Status D aSymbolError during Carrier. Make sure assertion of RX_ER for other than TX_ER conveyed across the interface is counted. If that can't be done, the 1000 Mb/s BEHAVIOUR needs to be modified.
PROPOSED ACCEPT I	1			SuggestedRemedy
Change to "85 °C"				Proposed Response Response Status W PROPOSED ACCEPT.

C/ **30** SC

C/ 30 SC	Р	L	# 111	C/ 45	SC		Р	L	# 110	
Grow, Robert	RMG Consultin	g		Grow, Rol	bert		RMG Const	ulting		
SuggestedRemedy	Comment Status D updates based on content adopt			and d	nber of re lefine con	trol and	Comment Status D need to be defined for 1000 status registers for the PHY all PMA/PMD needs.			
Authorize the editor to content.	produce changes to Clause 30	as appropriate	e for adopted Clause 45	Suggestee	dRemedy	/				
Proposed Response Response Status W PROPOSED ACCEPT.					If separate registers are desired, change Table 45-3 for PMA/PMD GEPOF register(s), recommend 1.158 for control, 1.159 for status.					
C/ 35 SC 35.1.1	P	L	# 94				used, then in 45.2.1.2.3, Res based on.	egister/bit 1.1.7 de	efine what GEPOF	
Grow, Robert	RMG Consultin	g		Proposed	Respons	se	Response Status W			
Comment Type ER Does item g) need to SuggestedRemedy	be modified for us?			of son	ne funcio	nalities r	e preferred because the use elated to some bits that ma entation of MDIO registers	y not make sense		
Proposed Response PROPOSED REJECT Commenter did not pr	Response Status W	Separated registers for PMA/PMD MMD in the reserved space 1.1809 to 1.32767 is also option that does not limit 1000BASE-RH to only 2 registers in a contiguous space. Moreover, same address space may be used for PCS MMD, that is, 3.1809 to 3.32767, allowing a simpler implementation of the PHY.					iguous space.			
				Cl 45 Pérez-Ara	SC anda, Rub	pén	Р 23 КDPOF	L1	# 100	
				<i>Comment</i> Propo	<i>Type</i> ose text fo	ER or Clause	Comment Status D e 45			
				Suggestee Propo	-		ed in gepof_management_	mdio_v1.4		
				Proposed PROF			Response Status W IN PRINCIPLE.	_		

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/ **45** SC

Editor to incorporate with editorial licence for grammar and changes to meet IEEE style.

C/ 45 SC 45.2.1		L	# 108	C/ 78 SC	Р	L	# 95
row, Robert	RMG Cons	sulting		Grow, Robert	RMG Consult	ing	
omment Type T	Comment Status D			Comment Type ER	Comment Status D		
	opback are not described in (Need to list 1000BASE	-RH in this table		
loopback.	should it be mandatory? Reco	ommend mandato	ry local and remote	SuggestedRemedy			
SuggestedRemedy					ble 78-1 below 1000BASE-T	(below 1000BA	SE-T1 if it is approved
	is supported, a reference to th	e definition should	d be added to 45.2.1.1.4.	currently or before this	project):		
And it should be de	fined in Clause 114.			1000BASE-RH 114	i , 115		
If local loopback is	mandatory, Clause 45 bit 1.0.0	0 controls the fund	tion and 1000BASE-H	Proposed Response	Response Status W		
should be added to	the port type list in 45.2.1.1.5	, if optional, no ch	ange to 45.2.1.1.5 is	PROPOSED ACCEPT			
necessary. If eithe	mandatory or optional, local	loopback should b	e defined in Clause 114.				
If not supported, 10 clauses.	00BASE-H non-support shoul	ld be added to bot	h of the above sub-				
Proposed Response	Response Status W						
PROPOSED ACCE	, PT IN PRINCIPLE.						
See comment #110							
loopback is also de defined line loopba PCS encoder input	and attached file. Two types fined, that is similar to remote ck is defined at PCS level by c Remote loopback at PMD lev nplemented by the PMD recei	loopback. The dif connection of the l vel does not make	ference is that the PCS decoder output to				
45 SC 45.5	Р	L	# 109				
irow, Robert	RMG Cons	sulting					
Comment Type ER	Comment Status D						
Editor needs to ger clause text after ne	erate PICs changes based or w text is added.	n occurance of sha	alls contained in the				
SuggestedRemedy							
See comment.							
Proposed Response	Response Status W						