CI 100 SC N/A P L # 1232	C/ 101 SC 101.5.4 P 100 L 1 # 1295			
Remein, Duane Huawei Technologies	Montreuil, Leo Broadcom			
Comment Type <b>T</b> Comment Status <b>D</b> In Clause 75.7.14 there is the concept of laser on/off times. This idea needs to be carried forward to Cl 100 but expressed in terms of RF	Comment Type <b>TR</b> Comment Status <b>D</b> It is stated that the BM elements are interleaved with the data and Table 101-11 a mapping. If there is data, there are pilots. The upstream pilot structure and RB has not been decided. What do we do when a BM element fall into a pilot location?			
Add placeholder text to 100 3 10 for Laseron/off times	SuggestedRemedy			
Proposed Response Response Status W PROPOSED REJECT. Duplicate. Heading already exists.	Pilot locations are usually fixed and cannot be moved. We need a mapping that takes into account the pilot location. It is premature to decide on a mapping as the RB and pilot structure has not been decided.			
C/         00         SC         0         P         00         L         0         #         1225           Remein, Duane         Huawei Technologies         Huawei Technologies	Proposed Response Response Status W PROPOSED REJECT. No specific changes to the draft proposed.			
Comment Type ER Comment Status D References to Clause 102 are incorrect because the clause was moved to 103	C/ 101 SC 101.5.5 P 100 L 23 # 1296			
Suggested Remody	Montreuil, Leo Broadcom			
Correct references	Comment Type TR Comment Status D			
Proposed Response Response Status W	It is mentioned that there are four sequences for four profiles. Do we need profiles? If yes, how many profiles do we need?			
PROPOSED ACCEPT.	SuggestedRemedy			
C/       101       SC       101.5.5       P 100       L 1       #       1372         Laubach, Mark       Broadcom       Broadcom       In Table 101-11, the arrows on "OFDM Symbols" and "subcarriers" that was in rahman_syed_3bn_01_1113.pdf are missing from the Table.       #       1372	<ul> <li>We need to decide now many profile we need first. Second, we need to decide now to signal the multiple profiles.</li> <li>There are alternate ways to signal the profile. For example, we could have two unique Nulls patterns, one for Start and another one for End. The multiple profiles could be indicated by the non-nulls BPSK symbols.</li> <li>To improve robustness, the Nulls pattern could be optimized as a 2-D pattern instead of a 1-D pattern (note: RBs are 2-D).</li> </ul>			
SuggestedRemedy	Proposed Response Response Status W			
Add the arrows or enumerate the X and Y axis that this table represents.	PROPOSED REJECT.			
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	No changes to the draft proposed. The comment seems more a discussion on the approved text, than a comment against the draft itself.			
The order of the subcarriers in rahman_syed_3bn_01_1113.pdf seems to be inverted from what is represented by the actual indices i.e., B1, B5, B9, etc. Seems that the numbering increases from the top to the bottom and not from the bottom to the top.	C/         101         SC         100         L 31         # 1373           Laubach, Mark         Broadcom         Broadcom <td< td=""></td<>			
Insert editorial note requestign clarification on direction in which subcarrier and OFDM symbol numbering increases along X and Y axes.	The text in lines 31 through 44 were not present in rahman_syed_3bn_01_1113.pdf and therefore not approved by the Task Force. Why are they present in the draft?			
	SuggestedRemedy Remove this unapproved text from the draft.			
	Proposed Response Response Status W PROPOSED ACCEPT.			
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open \SORT ORDER: Page, Line	G/general         Pa 100         Page 1 of 29           N/written C/closed Z/withdrawn         Li 31         1/8/2014 4:08:26 PM			

CI 101 SC 101.5.5 P 100 L 37 # 1299	C/ 902 SC 902.1 P 107 L 12 # 1388
Montreuil, Leo Broadcom	Laubach, Mark Broadcom
Comment Type <b>TR</b> Comment Status <b>D</b>	Comment Type ER Comment Status D
robustness is limited by the false detection rate.	Simple query response is not complete, broadcast is also used.
SuggestedRemedy	Suggesteakerneay Replace with "broadcast combined with straightforward query response" or something
N/P = 1/2 appears to be optimal for the ternary sequence. Two sequences with $N/P = 1/2$	similar.
could be designed for Start and End marker. The profiles could be encoded in the P elements of BM.	Proposed Response Response Status W
Proposed Response Response Status W	PROPOSED ACCEPT.
PROPOSED REJECT. No changes to the draft proposed.	C/ 102         SC 102.1.1         P 107         L 22         # 1253           Remein, Duane         Huawei Technologies
C/ 101 SC table101-12 P 101 L # 1413	Comment Type E Comment Status D
Rahman, Syed Huawei	Missing Figure reference
Comment Type ER Comment Status D	SuggestedRemedy
The last 4 entries of the table (61,62,63,64) were cutoff during conversion from MS word	to Add figure reference to Figure 102-1
The editor has shaded these lines.	Proposed Response Response Status W
SuggestedRemedy	PROPOSED ACCEPT.
Please remove the shade.	C/ 902 SC 902.1 P 107 L 8 # 1389
Proposed Response Response Status W	Laubach, Mark Broadcom
PROPOSED ACCEPT.	Comment Type E Comment Status D
C/ 102 SC 102 P 107 L 1 # 1252	This paragraph can be updated to be more accruate.
Remein, Duane Huawei Technologies	SuggestedRemedy
Comment Type E Comment Status D	Place noider. Either Fill provide with this comment or submit for next time.
This clause does not follow the text mark-up conventions described in front matter.	Proposed Response Crasponse Status W
Lise prescribed mark-up	No suggested remedy. The editor encourages submission of appropriate text.
Proposed Response Response Status W	C/ 902 SC 902.1 P107 L 9 # 1387
PROPOSED ACCEPT.	Laubach, Mark Broadcom
	Comment Type ER Comment Status D "typically", hmm, anything else is the PLC used for?
	SuggestedRemedy Remove "typically"
	Proposed Response Response Status W PROPOSED ACCEPT.
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editor COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/oper SORT ORDER: Page, Line	ial G/general     Pa     107     Page 2 of 29       W/written C/closed Z/withdrawn     Li     9     1/8/2014 4:08:26 P

C/ 902 SC 902.1.1	P 108 Broadcom	L 17	# 1390	<i>Cl</i> <b>102</b> Remein, D	SC 102.2.1.1	P 108 Huawei	L 48 L 48	# 1257
Comment Type ER Need to show Intial and Provide editors notes a	Comment Status D d Fine Ranging probe structure	es also. Adapt	text to describe.	Comment What?	Type E	Comment Status	) this 6 MHz band(	(see ref)"
SuggestedRemedy	and placeholders if awaring of	i baseline.		Suggested change ref)"	<i>Remedy</i> to "No addition	al pilot tones are allow	ed within this 6 M	1Hz band (see
Proposed Response PROPOSED REJECT. No suggested remedy.	Response Status W The editor encourages submi	ssion of appro	oriate text.	Proposed I PROP	Response OSED ACCEPT	Response Status	N	
C/ 102 SC 102.2.1 Remein, Duane	P <b>108</b> Huawei Techno	L <b>39</b> ologies	# 1255	<i>Cl</i> <b>902</b> Laubach, N	SC <b>902.1.1</b> <i>I</i> ark	P 108 Broadc	3 L 6	# 1391
Comment Type E Editors note can be rer	Comment Status D			Comment <sup>-</sup> For bo word o	<i>Type</i> <b>TR</b> th downstream a f the PLC FEC o	Comment Status I and upstream PLC, add codeword.	<b>)</b> I a standard CRC	PHY-Link CRC 32 to cover the information
SuggestedRemedy				Suggested	Remedy			
Proposed Response	Response Status W			Add a portion	standard CRC3	2 to cover the downstre odeword. Adapt all figu	am and upstrean res, text, etc. to i	n FEC information word ndicate.
				Proposed I	Response	Response Status	N	
C/ 102 SC 102.2.1.1 Remein, Duane	P <b>108</b> Huawei Techno	L <b>47</b> ologies	# 1256	PROP See co	OSED ACCEPT mment 1265	IN PRINCIPLE.		
Comment Type E	Comment Status D			C/ 102	SC 102.1.1	P 108	B L 6	# 1254
Run-on sentence (poor	rly worded at best:			Remein, D	uane	Huawei	Technologies	
channel spectrum (i.e.	24 Mhz with no internal exclu	sion bands) an	d have at least 3 MHz	Comment	Туре Т	Comment Status	)	
of contiguous spectrum pilot tone subcarriers p	n above and below it for a total laced symmetrically above an	l band of 6 MH d below the inf	z, which includes eight ormation sub-carriers."	If we a is extra "When	dopt a fixed fran aneous and sho operating in FD	ne length for DS & US uld be replaced. D mode, the PHY Link	PHY Link in FDD frame shall be lo	then the following statement
note misspelled MHz				transit	time, including a	all PHY delays, to the lo	ogically most dist	ant CNU in the network."
SuggestedRemedy				Suggested	Remedy			
Change to: "The allocated spectrum shall reside anywhere within a 24 MHz contiguous OFDM/OFDMA channel spectrum (i.e., 24 MHz with no internal exclusion bands) and have at least 3 MHz of contiguous spectrum above and below it for a total band of 6 MHz. This Phy Link band		Replac "When symbo most d	operating in FD soperating in FD ls long and the stant CNU in th	D mode PHY Link fram upstream length is TBD e network to the greate	ne shall be fix; the symbols long. T r of 128 or TDB :	e downstream length is 128 'his fixes the distance to the symbol times."		
also includes eight pilo information sub-carrier	t tone subcarriers placed symi s."	metrically abov	e and below the	Proposed I	Response	Response Status	N	
Proposed Response PROPOSED ACCEPT	Response Status W			PKOP	USED AUCEPT			
TYPE: TR/technical require COMMENT STATUS: D/dix SORT ORDER: Page, Line	ed ER/editorial required GR/g spatched A/accepted R/reject	eneral required ted RESPOI	d T/technical E/editorial G/g NSE STATUS: O/open W/wr	general ritten C/closed	Z/withdrawn	· ·	Pa <b>108</b> Li <b>6</b>	Page 3 of 29 1/8/2014 4:08:26 Pi

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         902         SC         902.1.1         P 109         L 20         # 1393           Laubach, Mark         Broadcom	Cl         102         SC         102.2.3         P 109         L 48         #         1261           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type       ER       Comment Status       D       PHY-Link frame         Should include some informative description and text to indicate alignment of downstream       PLC cycle with data channel, etc.       SuggestedRemedy         SuggestedRemedy       Editors can create.       Editors can create.       Editors can create.	Comment Type       T       Comment Status       D         Let's fix the timestamp size at 32 bits         SuggestedRemedy         Change "TBD(16-32)" to "32" here (pg 106 ln 48) and at pg 111 ln 30.         Proposed Response         Proposed Response
Proposed Response       Response Status       W         PROPOSED REJECT.       Normative text for this exists in the overview pg 107 ln 13: "When operating in TDD mode the PHY Link frame shall be aligned with the TDD Frame. When operating in FDD mode the PHY Frame shall be aligned with the staggered pilot pattern as described in {ref}."	PROPOSED ACCEPT. C/ 00 SC 0 P11 L11 # 1227 Remein, Duane Huawei Technologies
C/ 902       SC 902.1.2       P 109       L 22       # 1392         Laubach, Mark       Broadcom         Comment Type       TR       Comment Status D         Section and Figure 902-3 should be labled as "Downwstream". Upstream PLC path processing will also include Initial and Fine ranging block functions. In addition, downstream PLC has to include both NCP and Timestamp insertion functions as per the accepted PHY path block diagram.	Now would be a good time to begin work on Clause 45         SuggestedRemedy         See remein_3bn_03_0114.pdf for symopsis, remein_3bn_04_0114.pdf (also availabl eir frame) for details.         Proposed Response       Response Status         W         PROPOSED ACCEPT.
SuggestedRemedy         Label as "downstream" as appropriate. Update Figure 902-3 to reflect components in approved downstream PHY path diagram, with augmentation as necessary for more detailed PLC functions.         Proposed Response       Response Status         PROPOSED REJECT.         It is not clear to the Editor that this is "DS" only nor to what "approved downstream PHY path diagram" is being refered to. The commentor is encouraged to submit a figure he deams suitable.	Cl 102       SC 102.2.2       P 110       L 1       # 1260         Remein, Duane       Huawei Technologies       Huawei Technologies         Comment Type       E       Comment Status       D         Tables 102-1 and 102-2 are for DS only.       SuggestedRemedy       Add "DS" to table titles.         Proposed Response       Response       Response
Cl 102       SC 102.2.2       P 109       L 34       # 1259         Remein, Duane       Huawei Technologies       # 1259         Comment Type       E       Comment Status       D         Stray "PLC"       SuggestedRemedy       Replace with "PHY Link"         Proposed Response       Response Status       W         PROPOSED ACCEPT.       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: Page, Line

Pa **110** Li **1** 

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         102         SC         102.3.1         P 111         L 1         #         1265           Remein         Duane         Huawei Technologies         Huawei Tec	C/         102         SC         102.2.3.1         P 111         L 30         #         1263           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type T Comment Status D PHY-Link CRC	Comment Type T Comment Status D
LDPC codes contain no positive indication that the encoded data is in error. A CRC should be added to the PHY Link to ensure the CNU Phy does not operate on errored PHY Link data. Options include CRC8 (already part of EPON), CRC24-D (part of DOCSIS 3.1) or something new and different. MULPI 3.1 uses a CRC24-D on their timestamp and one each on other message blocks but no CRC on the actual message (I believe this is formatted as a normal frame and therefore already has a CRC). SuggestedRemedy Restructure PHY Link frame as shown in remein_3bn_02_0114.pdf slides 6, 7 & 8. Proposed Response Response Status W	Timestamp structure: Total of 32 bits bits 3:0 clocked at 16*204.8 Mhz (phase) bits 9:4 clocked at 204.8 Mhz and roll over to zero after reaching a value of 20 to produce a 10.24 MHz clock. bits 32:10 clocked from the 10.24 MHz clock. SuggestedRemedy Change the second sentence of the para starting "The PHY Timestamp is a" from "The counter is clocked from the {204.8 MHz} OFDM clock." To: "The 32 bit timestamp is composed of three fields. The first field is composed of bits 3:0 and is clocked at a rate of 16 x 204 8 MHz (or 3 2768 GHz). The second field is composed
PROPOSED ACCEPT.	of bits 9:4 and is clocked from 204.8 MHz; this field rolls over to zero after reaching a value of 20 to produce a 10.24 MHz clock. The final field, composed of bits 31:10, is clocked
C/ 102 SC 102.2.3.1 P 111 L 13 # 1262	from the 10.24 MHz clock."
Comment Type T Comment Status D	PROPOSED ACCEPT.
I believe we've agreed on a CNU ID although we may need to agree on how big this field is. Surely 1024 CNU's is sufficient (10b field).	C/         902         SC         902.2.1.1         P 112         L 28         #         1394           Laubach, Mark         Broadcom         Broadcom         #         1394         1394
This comment also applied to US SD field (Cl 102.3.4.1, pg 114 ln 33). SuggestedRemedy Change: "TBD {48, 11, 10}" to "10" " address.{if we decide to use MAC Address for this field state so here, if not include and reference a table of Unicast/Broadcast values as illustrated below }" to " address(see	Comment Type ER Comment Status D Spelling "locater" SuggestedRemedy "located"
Table 102-3)." (active reference) "{assigned / MAC}" to "assigned"	PROPOSED ACCEPT.
On pg 114 ln 33 Change: "TBD {48, 11, 10}" to "10" At the conclusion of the sentence add active reference "(see Table 102-3)"	C/ 902         SC 902.1.1         P 112         L 29         # 1395           Laubach, Mark         Broadcom
Proposed Response Response Status W PROPOSED ACCEPT.	Comment Type ER Comment Status D Spelling "frequecy"
	SuggestedRemedy "frequency"
	Proposed Response Response Status W

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 112Page 5 of 29COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed Z/withdrawnLi291/8/2014 4:08:26 PMSORT ORDER: Page, Line

Comment Type E Comment Status D which determines "should be that determines". Need to provide better text to describe why some of the normative decisions promote faster location identification and acquisition Suggested/Remedy Proceed Response Response Status W PROPOSED ACCEPT. Replace which with That Comment Type E Comment Status D what closs To information" mean? Suggested/Remedy remove? Proposed Response Response Status W PROPOSED ACCEPT. Proposed ACCEPT. PROPOSED ACCEPT. PROPOSED ACC	C/ 902	SC 902.2.1.1	P 112 Broadcom	L <b>29</b>	# 1396	<i>Cl</i> <b>102</b> Remein D	SC 102.2.3.	I P 112 Huawei Te	L 6	# 1264
Subject       The Contract of the normality decisions promote faster location identification and acquisition if the PLC channel       Missing Table reference at first and figure reference at the end of the following sentence: "summatizes the use and meaning of the PHY Config ID bits and their operation is illustrated in."         SuggestedRemedy       PROPOSED ACCEPT.         Proposed Response       Response Status W         PROPOSED ACCEPT.       Remein. Duane         Comment Type I       Comment Status D         What does "for information" mean?       SuggestedRemedy         Proposed Response Status W       PROPOSED ACCEPT.         Change Ion::       The Io B that fields contain the data values to be written in consecutive MDIO registers starting"         Change Ion::       The D S direction the PHY-Link shall be allocated 400 kHz of the RF Channel spectrum." <td>Comment 7</td> <td>Type F</td> <td>Comment Status D</td> <td></td> <td></td> <td>Comment</td> <td>Type F</td> <td>Comment Status D</td> <td>onnoiogies</td> <td></td>	Comment 7	Type F	Comment Status D			Comment	Type F	Comment Status D	onnoiogies	
SuggestedRemedy       Place holder for this round, or will provide more in text comment round.       SuggestedRemedy       Response Status W         PROPOSED ACCEPT.       Repaires "which" with "that"       C1 102 SC 102.2.3.2       P113 L 21 # 1267         Camment Type E Comment Status D       Wat does "for information" mean?       Comment Type T       Comment Status D         SuggestedRemedy       The 16 bit Data fields contain the data values to be written in or read instruction there are no 16 bit Data fields so the semence is incorrect.       SuggestedRemedy         Remove?.       The 16 bit Data fields contain the data values to be written in or nead instruction there are no 16 bit Data fields contain the data values to be written in or nead instruction there are no 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         Proposed Response       Response Status W         PROPOSED ACCEPT IN PRINCIPLE:       Change torm:         Change torm:       The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         Comment Type I Comment Status D       The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"       The 16 bit Data fields contain the data values to be written in consecutive MDIO registers values"	"which why so of the F	determines" sho me of the norma PLC channel	udl be "that determines". Nee tive decisions promote faster	ed to provide be location identif	etter text to describe ication and acquisition	Missin "summ illustra	g Table reference narizes the use a ted in ."	ce at first and figure referer and meaning of the PHY C	nce at the end of t onfig ID bits and t	he following sentence: their operation is
Place holder for this round, or will provide more in text comment round.         Proposed Response       Response Status W         PROPOSED ACCEPT.         Replace "which" with "that"         C1 902       SC 902.2.1.1         P112       L36       # 1397         Comment Type E       Comment Status D         What does "for information" mean?       SuggestedRemedy         remove?.       To comment Status D         PROPOSED ACCEPT IN PRINCIPLE.       Change from:         "In the DS direction the PHY-Link shall be allocated 400 kHz of spectrum for information."       To is section as been removed, this sentence is incorrect.         Yroposed Response       Response Status D         Remein, Duane       Huawei Technologies         Comment Type T       Comment Status D         PROPOSED ACCEPT IN PRINCIPLE.       L54       # 1266         Change from:       "In the DS direction the PHY-Link shall be allocated 400 kHz of spectrum."       To comment Status D       Proposed Response         Comment Type T       Comment Status D       Huawei Technologies         Comment Type T       Comment Status D       MDIO registers starting"         The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"       SuggestedRemedy         C102       SC 102.2.3.2	Suggestedl	Remedy				Suggested	lRemedy			
Proposed Response       Response Status       W         PROPOSED ACCEPT.       Replace Which' with 'that'         Cl 902       SC 902.2.1.       P112       L36       # [1397]         Laubach, Mark       Broadcom       Comment Type       PROPOSED ACCEPT.         Cl 102       SC 102.2.3.2       P112       L 54       T1266       Comment Type       P113	Place h	older for this rou	nd, or will provide more in tex	t comment rou	ınd.	Add "T	able 102-4 " to	beginning and " Figure 102	-5" finally.	
Cl 102       SC 102.2.1.1       P112       L 36       # [397]         Laubach, Mark       Broadcom       Broadcom       Huawel Technologies         Comment Type       E       Comment Status       D         what does 'for information' mean?       SuggestedRemedy       This section is only describes DS PHY Instructions. In a read instruction there are no 16 bit Data fields so that sentence is incorrect.         SuggestedRemedy       Remein, Duane       The DS direction the PHY-Link shall be allocated 400 kHz of spectrum for information."         To:       The DS direction the PHY-Link shall be allocated 400 kHz of spectrum."       The 1266         Cl 102       SC 102.2.3.2       P113       L 42       # [1267]         Comment Type       T       Comment Status       D       This section is only describes DS PHY Instructions. In a read instruction there are no 16 bit Data fields contain the data values to be written in or read from consecutive MDIO registers starting"         The DS direction the PHY-Link shall be allocated 400 kHz of spectrum."       "The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         Cl 102       SC 102.2.3.2       P111       L 44       # [1268]         Comment Type       T       Comment Status D       The list of terms included in a PHY Discovery window should probably include the Discovery Window Start time.         SuggestedRemedy	Proposed F PROPC Replac	Response DSED ACCEPT. e "which" with "tl	Response Status W			Proposed PROP	Response OSED ACCEP1	Response Status W		
Comment Type <b>E</b> Comment Status <b>D</b> Comment Type <b>T</b> Comment Status <b>D</b> Change from: The DS direction the PHY-Link shall be allocated 400 kHz of spectrum for information." To: The DS direction the PHY-Link shall be allocated 400 kHz of the RF Channel spectrum." Cl 102 SC 102.2.2 P112 L54 # 1266 Comment Type <b>T</b> Comment Status <b>D</b> Comment Type T Comment Status <b>D</b> Comment Type T Comment Status <b>D</b> Comment Type <b>T</b> Comment Status <b>D</b> Comment Type <b>T</b> Comment Status <b>D</b> Comment Type T Comment Status <b>D</b> Commen	C/ 902	SC 902.2.1.1	P <b>112</b> Broadcom	L 36	# 1397	<i>Cl</i> <b>102</b> Remein, D	SC 102.2.3.2 uane	2 <i>P</i> <b>113</b> Huawei Te	L <b>31</b> chnologies	# 1267
remover.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Change from:       "In the DS direction the PHY-Link shall be allocated 400 kHz of spectrum for information."       "The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         "In the DS direction the PHY-Link shall be allocated 400 kHz of the RF Channel spectrum."       "The 16 bit Data fields contain the data values to be written in consecutive MDIO registers starting"         C/ 102       SC 102.2.3.2       P 112       L 54       # 1266         Comment Type       T       Comment Status       D       Remein, Duane       Huawei Technologies         Comment Type       T       Comment Status       D       The isometry indow sub-field" concept has been removed, this sentence is incorrect.         SuggestedRemedy       Change sentence from:       "The CLT shall only transmit the valid values of the command sub-field as given in Table 102-3. Table 102-4 and Table 102-5."       Table 102-4 and Table 102-5."       SuggestedRemedy         Proposed Response       Response Status       W       Proposed Response       Response Status       W         PROPOSED ACCEPT.       Write Discovery Window Start time.       Discovery Window Start time.       Discovery Window Start time.         SuggestedRemedy       Change "Write/Verify" to "Write" before Discovery Window duration       Propo	Comment 1 what do	Type E Des "for informat Remedy	Comment Status D			Comment This se Data fi "The 1 MDIO	<i>Type</i> <b>T</b> ection is only de ields so the sent 6 bit Data fields registers startin	Comment Status D scribes DS PHY Instruction rence is incorrect: contain the data values to g"	ns. In a read instr be written in or re	uction there are no 16 bit ead from consecutive
Cl 102       SC 102.2.3.2       P112       L 54       # 1266         Remein, Duane       Huawei Technologies       Cl 102       SC 102.2.4       P113       L 42       # 1268         Comment Type       T       Comment Status       D       Remein, Duane       Huawei Technologies       Cl 102       SC 102.2.4       P113       L 42       # 1268         Comment Type       T       Comment Status       D       Cl 102       SC 102.2.4       P113       L 42       # 1268         SuggestedRemedy       The "command sub-field" concept has been removed, this sentence is incorrect.       SuggestedRemedy       The list of items included in a PHY Discovery window should probably include the Discovery Window Start time.       Discovery Window Start time.       Discovery Window Start time.         "The CLT shall only transmit the valid values of the PHY Instruction fields as given in Table 102-4, and Table 102-5."       Response Status       W         Proposed Response       Response Status       W       Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.       PROPOSED ACCEPT.       PROPOSED ACCEPT.       PROPOSED ACCEPT.       PROPOSED ACCEPT.	Proposed F PROPC Change "In the To: "In the	Response DSED ACCEPT e from: DS direction the DS direction the	Response Status W N PRINCIPLE. PHY-Link shall be allocated 4 PHY-Link shall be allocated 4	100 kHz of spe 100 kHz of the	ctrum for information." RF Channel spectrum."	Suggested Chang "The 1 startin Proposed PROP	IRemedy le to read: 6 bit Data fields g" Response OSED ACCEP1	contain the data values to Response Status W	be written in cons	secutive MDIO registers
Comment Type       T       Comment Status       D         The "command sub-field" concept has been removed, this sentence is incorrect.       SuggestedRemedy       The "command sub-field" concept has been removed, this sentence is incorrect.         SuggestedRemedy       Change sentence from:       The CLT shall only transmit the valid values of the command sub-field as given in Table 3."       The CLT shall only transmit the valid values of the PHY Instruction fields as given in Table 102-5."         Proposed Response       Response Status       W         PROPOSED ACCEPT.       Response Status       W         PROPOSED ACCEPT.       Response Status       W	C/ <b>102</b> Remein, Du	SC 102.2.3.2 Jane	P <b>112</b> Huawei Techno	L <b>54</b> blogies	# 1266	<i>Cl</i> <b>102</b> Remein, D	SC <b>102.2.4</b> uane	<i>P</i> <b>113</b> Huawei Te	L <b>42</b> chnologies	# 1268
Proposed Response       Response Status       W       Change "Write/Verify" to "Write" before Discovery Window duration         PROPOSED ACCEPT.       Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.       PROPOSED ACCEPT.	Comment 7 The "cc Suggested/ Change "The Cl To: "The Cl 102-3,"	Type <b>T</b> command sub-fiel Remedy e sentence from: LT shall only trai LT shall only trai Table 102-4 and	Comment Status D d" concept has been removed asmit the valid values of the co asmit the valid values of the P Table 102-5."	I, this sentence ommand sub-fi HY Instruction	e is incorrect. ield as given in Table 3." fields as given in Table	Comment The lis Discov Discov Suggested Add be Write	Type <b>T</b> st of items incluc very Window Sta very Window Du <i>IRemedy</i> etween Discover Discovery Win	Comment Status D led in a PHY Discovery wir art time. ration should not be Write/ ry Preamble and CNU MAC dow Start time	dow should proba Verify (B'cast add C Address the follo	ably include the Iress) owing line:
PROPOSED ACCEPT.       Proposed Response       Response Status       W         PROPOSED ACCEPT.       PROPOSED ACCEPT.	Proposed F	Response	Response Status W			Chang	e "Write/Verify"	to "Write" before Discover	y Window duration	n
PROPOSED ACCEPT.	PROPO	DSED ACCEPT.				Proposed	Response	Response Status W		
						PROP	OSED ACCEPT	-		

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	Pa <b>113</b>	Page 6 of 29
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>42</b>	1/8/2014 4:08:26 PM
SORT ORDER: Page, Line			

C/ 102 SC 102.2.4 Remein, Duane	P 113 Huawei Techn	L 48	# 1269	C/ <b>102</b> Remein. D	SC <b>102.3.2</b> Duane	P 114 Huawei Techn	L 15	# 1258
Comment Type E	Comment Status D			Comment	Type T	Comment Status D		
the word "shall" should	d not be in italics			By no	w we should be a	ole to adopt the following para	ameters for the	US PHY-Link:
SuggestedRemedy				numbe total b	er of sub-carriers andwidth = 800 k	for information = 32/16 Hz		
Change to normal font				Suggested	Remedy			
Proposed Response PROPOSED ACCEPT	Response Status W			Chang "In the To"	e sentence from: US direction the	PHY Link shall be allocated	TBD kHz of sp	ectrum for information."
C/ 102 SC 102.2.4 Remein, Duane	<i>P</i> <b>113</b> Huawei Techn	L <b>51</b> ologies	# 1270	"In the (see F	US direction the igure 102-3)."	PHY Link shall be allocated	800 kHz of spe	ctrum for information
Comment Type T	Comment Status D			Modify	/ Fig 102-3 to indi	cate "(400kHz DS, 800kHz U	IS)"	
The requirement for C on the PHY Discovery	NU quiet time seems a bit mis window and does not need th	placed. Really is one way tra	this is totally dependent vel time requirement.	Proposed PROF	Response OSED ACCEPT.	Response Status W		
SuggestedRemedy				CI 102	SC 102 2 4 2	D114	1.40	# 4072
Reword the para as follows: "Once the PHY Discovery window is open the CLT shall refrain from sending PHY				Remein D	30 102.3.4.2	F 114 Huawei Techn	ologies	# 1273
Instructions to any sing	gle CNU over the DS PHY Lin	k, which would	l elicit a Response (i.e.,	Commont		Commont Status D		
read and write/.verify in window, to allow suffic	nstructions)from the CNU for t ient time for joining CNUs to r	he duration of espond."	the PHY Discovery	Shoul	d split the Opcode	e field into OPCODE and Cou	int fields as wa	s done in DS direction
Proposed Response	Response Status W	·		Suggested	Remedy			
PROPOSED ACCEPT	•			Pg 11	4 In 41 Change: "	Each Response contains an	OPCODE, an M	MDIO Address and up to
C/ 102 SC 102.3.1 Remein, Duane	P <b>114</b> Huawei Techn	L 10 ologies	# 1271	31 dat To: "E data fi	a fields." ach Response co elds."	ntains an OPCODE, a Data (	Count, an MDI	O Address and up to 31
Comment Type E Editors Note can be re	Comment Status D moved.			Pg 11 sub-fie	4 Ln 45 Change: elds; the Acknowl	The PHY Response OPCOE	DE is an 8 bit fie Data Count sub	eld separated into two -field. The
SuggestedRemedy				which	the CNU is respo	nding and the success or fail	ure of the PHY	Instruction Command.
remove note.				CNUs shall use the valid values of the Acknowledgement sub-field are given in ."				are given in ."
Proposed Response PROPOSED ACCEPT	Response Status W 		type for PHY Instruction to which the CNU is responding and the sur PHY Instruction Command. CNUs shall use the valid values of the a are given in Table 102-6." (live link).		acknowledgement type			
				Proposed	Response	Response Status W		
				PROF As pro To: "T PHY I Instruc in Tab	OSED ACCEPT posed but Pg 11/ he PHY Respons nstruction to whic ction Command. ( le 102-6." (live lin	IN PRINCIPLE. 4 Ln 45 Change: e OPCODE is a 3 bit value th h the CNU is responding and CNUs shall use the valid valu k).	nat conveys the the success o es of the ackno	e acknowledge type for r failure of the PHY owledgement type giver
TYPE: TR/technical require	ed ER/editorial required GR/o	general requir	ed T/technical E/editorial G/	general		Pa 11	4	Page 7 of 29

			1 4 9 0 1 2 0
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>42</b>	1/8/2014 4:08:26 PM
SORT ORDER: Page, Line			

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

CI 102 SC 102.3.4.2 P 114 L 54 # 1272	C/ 102 SC 102.3.5 P 115 L 49 # 1275				
Remein, Duane Huawei Technologies	Remein, Duane Huawei Technologies				
Comment Type <b>T</b> Comment Status <b>D</b> Make fields set to zero on Nack a requirement.	Comment TypeTComment StatusDLet's fix the size of the local clock to 32 bits to align with the DS Timestamp.				
SuggestedRemedy Pg 114 In 54 Change "should {shall?}" to "shall" Pg 115 In 39 Change "should {shall?}" to "shall"	SuggestedRemedy Change: "the a TDB {16-32} bit local clock of the CNU" To: "the a 32 bit local clock of the CNU"				
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.				
Cl 102         SC 102.3.5         P 115         L 44         # 1274           Remein, Duane         Huawei Technologies         Huawei Technologies	C/         902         SC         902.2.2         P 116         L 1         # 1398           Laubach, Mark         Broadcom				
Comment Type ER Comment Status D Should be _PHY_ Discovery not just Discovery	Comment Type TR Comment Status D Table 902-1 is normative				
SuggestedRemedy In CL 102 globally replace "XXX Discovery" with "PHY Discovery" anywhere that "XXX "	SuggestedRemedy Add normative indication to table title.				
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED REJECT. The normative statement is clearly indicated in the reference on pg 115 ln 34: "The CLT shall modulate the subcarriers in the DS PHY-				
CI 102     SC 102.3.5     P 115     L 46     # 1276       Remein, Duane     Huawei Technologies       Comment Type     E     Comment Status     D	Avva Link preamble (the first eight symbols in the PHY-Link frame) using binary phase-shift keying (BPSK), as shown in Table 902–1 or Table 902–3 depending on the FFT size and "				
Editorial clean-up SuggestedRemedy Remove the following: "{if we decide to use the MAC address instead of an ONU ID can set this to MAC address}" "{assumes using CNU_ID, if not combine 2nd &4thd bullets to read "the SA field is set to the CNUs MAC address}"	C/       102       SC 102.3.6       P 116       L 1       # 1277         Remein, Duane       Huawei Technologies       Huawei Technologies         Comment Type       T       Comment Status       D         Isn't it reasonable to use the same FEC in the US PHY-Link as the DS-PHY-Link?       D				
Proposed Response Response Status W PROPOSED ACCEPT.	Suggesteakemeay         Remove this section (102.3.6) and move section 102.2.6 to a common section 102.2         Common PHY-Link (that covers both US & DS). Renumber existing sub-clauses.         Proposed Response       Response Status         W         PROPOSED ACCEPT.				

Pa **116** Li **1** 

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         902         SC         902.2.2         P 116         L 21         # 1399           Laubach, Mark         Broadcom	C/         102         SC         102.4         P 117         L 19         #         1282           Remein, Duane         Huawei Technologies         Huawei Technologies			
Comment Type TR Comment Status D Table 902-2 is informative	Comment Type E Comment Status D Missing Figure Ref			
SuggestedRemedy Add informative indication to table title. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Changed to from ER to TR. Given the effort to reduce complexity in the specification perhaps it would be easier to	SuggestedRemedy Change "The PHY Discovery message exchange is illustrated in ." To: "The PHY Discovery message exchange is illustrated in Figure 102-6." Proposed Response Response Status W PROPOSED ACCEPT.			
remove the table.	C/ 102 SC 102.4 P 117 L 24 # 1278			
C/ 902 SC 902.2.3 P 117 L 1 # 1400	Remein, Duane Huawei Technologies			
Laubach, Mark Broadcom	Comment Type T Comment Status D			
Comment Type TR Comment Status D	Add RF On Time and RF Off Time to Table 102-7			
Table 902-3 is "normative"	SuggestedRemedy			
SuggestedRemedy Add normative indication to table title.	Add to table 102-7 "RF On Time   TBD   (blank)   Y" "RF Off Time   TBD   (blank)   Y"			
Proposed Response Response Status W	(listed as: Parameter   MDIO Reg.   PHY Discovery   Link-In.)			
PROPOSED REJECT. The normative statement is clearly indicated in the reference on pg 115 In 34: "The CLT shall modulate the subcarriers in the DS PHY-	Proposed Response Response Status W PROPOSED ACCEPT.			
Link preamble (the first eight symbols in the PHY-Link frame) using binary phase-shift keying (BPSK), as shown in Table 902–1 or Table 902–3 depending on the FFT size and"	C/ 102         SC 102.4         P 117         L 24         # 1279           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies			
C/ 102 SC 102.4 P 117 L 10 # 1281	Comment Type T Comment Status D			
Remein, Duane Huawei Technologies	Suggested Remedy			
Comment Type T Comment Status D	Add title "Required parameters for PHY Discovery Response and Link-Up"			
IEEE typically doesn't use "must". Also missing table ref (In 13)	Proposed Response Response Status W			
SuggestedRemedy Change: "Before declaring a CNU is in the link-up state the CLT must ensure that a " To: "Before declaring a CNU is in the link-up state the CLT shall ensure that a" Add table Ref to Table 102-7 to end of the sentence.	PROPOSED ACCEPT.			
Proposed Response Response Status W PROPOSED ACCEPT.				

Pa **117** Li **24** 

C/ 902 SC 902.2.3 P 117 L 32 # 1401	C/ 902 SC 902.2.3 P 118 L 32 # 1403
Comment Type ER Comment Status D Table 902-4 is informative	Comment Type E Comment Status D Seems appropriate to add informative text here, if needed on relation of PLC channel to
SuggestedRemedy         Add informative indication to table title.         Proposed Response       Response Status         PROPOSED ACCEPT IN PRINCIPLE.         Changed to from ER to TR.         Given the effort to reduce complexity in the specification perhaps it would be easier to requere table.	data channel SuggestedRemedy Add any text to promote informational clarity. Proposed Response Response Status W PROPOSED REJECT. No suggested remedy. The editor encourages submission of appropriate text.
Cl 102       SC 102.4       P 117       L 8       # 1280         Remein, Duane       Huawei Technologies       E       Comment Status D       Can update reference for probing         SuggestedRemedy       Ref section 102.5 Upstream wide band probing.       Proposed Response       Response Status W         PROPOSED ACCEPT.       W       PROPOSED ACCEPT.       Patrix Status C	C/ 102       SC 102.4       P 118       L 37       # 1251         Remein, Duane       Huawei Technologies       Image: Technologies       Image: Technologies         Comment Type       T       Comment Status       D       Image: Technologies         Discovery can fail because:       1) the CNU cannot use the DS Profile       Image: Technologies       Image: Technologies         SuggestedRemedy       Add the following text at the end of CI 102.4       Image: Technologies the CNU may fail to achieve link-up status. This may happen for a number of reasons; for example the CNU may be unable to support the DS or US Profile due to network conditions. In these circumstances the CLT may take mitigating action or unable to be proved to a latter time to a latter t
Cl 902 SC 902.2.3 P 118 L 31 # 1402 Laubach, Mark Broadcom Comment Type ER Comment Status D is this an editors note? SuggestedRemedy Label as Editor's Note or remove. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Label as Editor's Note	Proposed Response Response Status W PROPOSED ACCEPT. Cl 102 SC 102.4 P 118 L 39 # 1283 Remein, Duane Huawei Technologies Comment Type E Comment Status D Change note in braces to Editors Note SuggestedRemedy Change to proper format. Proposed Response Response Status W PROPOSED ACCEPT

C/ 902 SC 902.2.4.1 Laubach, Mark	P <b>119</b> Broadcom	L <b>41</b>	# 1404	C/         902         SC         902.4         P 125         L 13         #         1407           Laubach, Mark         Broadcom
Comment Type <b>T</b> Co Define what is in a profile	omment Status D			Comment Type ER Comment Status D "in and"
SuggestedRemedy Definitions and normative tex Otherwise, add editors note a Proposed Response Res PROPOSED ACCEPT IN PF Add editors note: "EDITORS NOTE (to be rem	Rt needed to explain and and ask for baseline. Sponse Status W RINCIPLE.	d define profiles	and requirements.	SuggestedRemedy missing text between "in" and "and" should be filled in or fixed. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Add reference to Table 102–7—Required parameters for PHY Discovery Response and Link-Up. (Table 902-10)
needed to explain and define	profiles and requireme	ents."	# [4444	C/         902         SC         902.4         P         125         L         26         #         1408           Laubach, Mark         Broadcom         B
C/ 102 SC 102.5.3 Rahman, Syed	P 121 Huawei	L 30	# 1414	Comment Type ER Comment Status D A "PHY Discovery Response" is better or also called an Initial Ranging Response.
reference to incorrect figure	number.			SuggestedRemedy Either replace with Initial Ranging or add a parenthetical.
Please replace "Figure-2" w Proposed Response Res	vith "Figure 102-8" sponse Status W			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Globally Replace "PHY Discovery" with "PHY Initial ranging process"
C/ 102 SC 102.5.3	P 121	L <b>42</b>	# 1415	C/         902         SC         902.4         P 125         L 42         # 1409           Laubach, Mark         Broadcom
Rahman, Syed Comment Type ER Co Please close the parenthsis	Huawei omment Status D			Comment Type ER Comment Status D which upstream channel (data or PLC) and what type of guard band, time and/or frequency? With 1D to 2D mapping, is this for the data channel? Efficiency of the PLC upstream isn't really a concern or something to optimize.
GuggestedRemedy ( as illustrated in Figure 102-	9)			SuggestedRemedy
Proposed Response Res	sponse Status W			Add appropriate descriptive text to clarify data vs PLC and what type of guard band.
PROPOSED ACCEPT.				Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change from: "In order to assure maximum utilization of the upstream channel and to decrease the required size of the guard band between individual data bursts" to: "In order to assure maximum utilization of the upstream RF channel and to decrease the required size of the guard band between individual data bursts"

Pa <b>125</b>	Page 11 of 29
Li <b>42</b>	1/8/2014 4:08:26 PM

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ <b>902</b> SC <b>902.4</b> _aubach, Mark	P <b>125</b> Broadcom	L <b>43</b>	# 1410	C/ <b>103</b> SC Laubach, Mark	C 103	P <b>127</b> Broadcom	L <b>1</b>	# 1376
Comment Type ER Comme	nt Status D			Comment Type	ER	Comment Status D		
"notifies the CLT of the RF on/off	times" not clear	why and/or how	this is needed or used.	There is no	real evident	t markup on this clause follow	ing page 19 Li	nes 26 through 40.
SuggestedRemedy				Also, make practice.	sure all cha	inges are viewable via a blach	c and white prir	nter, following IEEE
Provide informative lead in on this				SuggestedReme	edy			
Proposed Response Response	se Status W			Fix this entir	re clause to	show markup.		
PROPOSED REJECT.	nmont 1400) prov	idas load in Thi	e variable is also a	Proposed Respo	onse	Response Status W		
carry over from Laser ON/OFF tin diagrams.	ne used in EPON a	and is used in nu	umerous state	PROPOSEI Not quite su which show	D REJECT. Ire what "ma	ark-up" the commenter is refe	ering to. The CN	MP file is the only file
C/ 902 SC 902.4	P 125	L <b>8</b>	# 1406	to change th	ne draft due	to this comment.		
aubach, Mark	Broadcom			CI 103 SC	103 1	P 127	/ 35	# 1377
Comment Type ER Comme	nt Status D			Laubach, Mark		Broadcom	200	1011
More enumeration needed to deso Negotiation. What general items	cribe what goes or that must get set i	n and achieved o in a CNU can be	during EPoC Auto- listed.	Comment Type	Е	Comment Status D		
SuggestedRemedy				Somewhere spectrum fo	in here, lin r FDD and	es 35-49 or more need to sur TDD.	nmarize use of	active and passive
Placeholder, or will expand later. I	_eave editors note	<b>).</b>		SuggestedReme	edy			
Proposed Response Response PROPOSED REJECT.	se Status W			Add some in FDD and TE	nformative t DD modes.	ext to explain active vs passiv	ve media and s	pectrum, and use fo
The proposed list already exists in	n Table 103-10.			Proposed Respo	onse	Response Status W		
C/ 902 SC 902.4 _aubach, Mark	P 125` Broadcom	L <b>4</b>	# 1405	PROPOSEI I would ques commenter	D REJECT. stion the ad would like t	dition of such text to Cl 103 w his text in Cl 100?	hich addresse	s MPCP. Perhaps th
Comment Type ER Comme	nt Status D			C/ 902 SC	<b>902.4</b>	P 127	L 36	# 1411
PHY Discovery included in Auto-N	legotiation			Laubach, Mark		Broadcom		
SuggestedRemedy				Comment Type	ER	Comment Status D		
Suggestion, rename: "PHY Auto-I subsection.	Negitation Process	s", include discov	very if needed as a	Is this an Ec	ditor's note"	If so, label. Also add Initial	Ranging to the	statement.
Proposed Response Respons	se Status W			SuggestedReme	edy			
PROPOSED ACCEPT IN PRINCI	PLE.			Add Editor's	note label	and "Intial Ranging and " to the	ne note text.	
See comment 1408				Proposed Respo	ONSE	Response Status W		

Page 12 of 29
1/8/2014 4:08:26 PM

Pa **127** Li **36** 

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ 902         SC 902.5         P 127         L 38         # 1412           Laubach, Mark         Broadcom	C/         103         SC         103.1         P         128         L         40         #         1379           Laubach, Mark         Broadcom         B
Comment Type         ER         Comment Status         D           Is Wide Band Probing part of the PLC since it needs to be coordinated with MPCP?	Comment Type ER Comment Status D Figure 103-2. There is a gray region to the right of the "US Transmitter ON". There is no
SuggestedRemedy         Add Editors note that the mechanism for coordinating Wide Band probling with MPCP is still T.B.D. as well as any interoperation with the PLC.         Proposed Response       Response Status       W	label for this region or the same one to the far left. SuggestedRemedy Remove these regions from the figure or label them, conforming to description in the text. Add informative text as needed.
PROPOSED ACCEPT IN PRINCIPLE. Add note: "EDITORS NOTE (to be removed prior to publication): the mechanism for coordinating Wide Band probling with MPCP is still T.B.D. as well as any interoperation with the PHY- Link."	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Remove gray area in figure. On pg 127 In 38 Change sentence reading "To facilitate the transitions from one direction to the other, guard intervals are typically inserted between transmission windows." to:
C/ 103         SC 103.1         P 127         L 46         # 1378           Laubach, Mark         Broadcom	"To facilitate the transitions from one direction to the other and to accommodate Transmitter on/off times, guard intervals are typically inserted between transmission windows."
Comment Type       ER       Comment Status       D         "This clause does not deal with" raises two comments 1) is there a clause that does deal with this, then provided references, and/or 2) perhaps it is mean to say indicate that the topics are outside the scope of this specification.         SuggestedRemedy       Baplace the introp "deal with" and provide references if personal.	Cl 103       SC 103.1.1       P 129       L 13       # 1381         Laubach, Mark       Broadcom         Comment Type       TR       Comment Status       D         f) which timestamp is this? Is this the MPCP timestamp or other 32-bit timestamp in the protection.
Proposed Response       Response Status       W         PROPOSED REJECT.       The clause does not address ("deal with") lots of things that are out of scope as these are.         However, this text is a direct copy from Cl 77. That said the Editor would not be averse to striking the para.	system? SuggestedRemedy Qualify/describe which timestamp this is in just this bullet. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Changed comment from ER to TR Change bullet "f" from : "f) Use of 32 bit timestamp for timing distribution" To: "f) Use of 32 bit MPCP timestamp for MAC Control timing distribution"

Pa **129** Li **13** 

C/ 103 SC 103.1.1	P 129	L <b>9</b>	# 1380	C/ 103	SC 103.2.2.1	P 139	L 31	# 1285
Comment Type TP Co	mment Status D			Comment		Comment Status D	lologies	
c) implies only one LLID per	CNU, which appears the	en to be a restri	ctive statement.	Comm	nent 1091 against Dra	aft 0.2 not implemented p	properly.	
SuggestedRemedy Support one or more LLIDs p Proposed Response Res PROPOSED REJECT. This wording was agreed to i 10G-EPON (Cl 77.1.1 pg 65- does not preclude numerous	ber CNU sponse Status W in EFM (CI 64.1.1 pg 286 4 of 2012). It is well unde s virtual CNUs residing of	5 of 2012) and i erstood that this n the same har	etained in 802.3av single LLID per CNU dware.	CI 00 Comm Why c consta Sugge Recor consta messa	SC 102.3.2.4 P 106 I ent Type T lo we need to redefin ant in 64.2.2.1. estedRemedy mmend referencing a ants should have refe ages, state diagrams ant, timer, message.	- 45 # 1091 e "unit of time_quanta" a Il constants to the origina rences in Clause 102. W where we are essentially state diagram. etc.	igain ? It's alread al text specified ir /e should look at y defining (re-defi	y defined as a n 802.3. Only new all constants, timers, ining) the same
C/ 103 SC 103.1.2	P 131 Huawei Techno	L7	# 1287	ACCE	PT.	102 to Clause "00" (apr	licable to entire	draft )
Comment Type E Cr	mment Status D	Jiogios		Suggester	Remedy	, 102 10 Clause 00 (app		Jian j.
Clause numbering change fr SuggestedRemedy Change references to CL 10 Proposed Response Res PROPOSED ACCEPT.	2 to 103 in both figures. sponse Status W	Where possible	e make references live.	Replation         The E         existing         Pg 13         Pg 14         Pg 15          Pg 15           Pg 15     <	Je in Pointwing delinit ditor should add a not g std but are likely to 9 Ln 31; MAC_Contro 0 Ln 5; localTime - Tl 0 Ln 36; data_tx - Th 0 Ln 36; data_tx - Th 0 Ln 42; grantStart - 0 Ln 49; newRTT - T 1 Ln 49; newRTT - T 1 Ln 54; m_sdu_tx - T 1 Ln 54; m_sdu_tx - T 1 Ln 55; opcode_tx - 1 ln 25; opcode_tx - 1 ln 44; stopTime - T 1 ln 48; timestampDr 2 ln 44; tqOffset - This 2 ln 9; transmitAllowa 2 ln 17; transmitAllowa 2 ln 30; transmitPend 4 ln 29; transmitAllowa 2 ln 30; transmitPend 4 ln 29; transmitPend 5 ln 3; packet_initiate 7 ln 49; data_tx - This 8 ln 8; - insideDiscov 8 ln 25; localTime - T 8 Ln 28; m_sdu_ctl -	te to other parameter de change. ol_type - This variable is nis variable is defined in 6 is variable is defined in 6 is variable is defined in 6 This variable is defined in 6 This variable is defined in nis variable is defined in his variable is defined in his variable is defined in This variable is defined in 6 de - This variable is defined in the - This turaible is defined in 6 de - This variable is defined in 6 s variable is defined in 6 his variable is defined in 6	finitions which m defined in 64.2.2 64.2.2.2. i4.2.2.3. i4.2.2.3. i 77.2.2.3. 64.2.2.3. i 77.2.2.3 i 64.2.2.3. i 64.2.2.3. i 64.2.2.3. i 64.2.2.3. i 64.2.2.3. i 64.2.2.3. i 64.2.2.3. ed in 64.2.2.3. defined in 64.2.2.3. i s defined in 64.2.2.3. i s defined in 64.2.2.5. i.2.2.3. i s defined in 64.2.2.5. i.2.2.3. i s defined in 6.4.2.2.5. i.2.2.3. le i s defined in 6. 64.2.2.2. in 77.2.2.3. hef a 2 2 3.	ay be defined in .1 3. 2.2.4. 4.3.3.2.
TVDE: TR/tooknigal required ER	Pladitorial required CP/a	oporal required	T/tooppical E/aditorial	G/general	-, -,	Do 41	20	Dogo 14 of 20

TTPE: TR/lechnical required ER/editorial required GR/gener	a required Thechnical Electional Gigeneral	Pa 139	Page 14 of 29
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 31	1/8/2014 4:08:26 PM
SORT ORDER: Page, Line			

Pg 158 ln 38: registered - This variable is defined in 64.3.3.2.	
Pg 159 ln 3; timestampDrift - This variable is defined in 64.2.2.3. Pg 159 ln 13; discovery_window_size_timer - This timer is defined in 64.2.2.4.	C/ 103         SC 103.3.5.6         P 180         L 28         #         1289           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Pg 159 ln 19; mpcp_timer - This timer is defined in 64.2.2.4.	Comment Type T Comment Status D
Proposed Response Response Status W PROPOSED ACCEPT.	Figure 103-30 still contains a reference to confirmDiscovery(data_rx[120:135])) in the PARSE GATE state. This function was removed in D0.3 via comment 1173. This instance of the function was missed. The operation statement is also missing a "then" (also true in 2012 STD). Also some exit conditions mis-aligned (registered = TRUE, & gate_accepted = TRUE)
C/ 103 SC 103.2.2.3 P142 L 40 # 1288	SuggestedRemedy
Remein, Duane Huawei Technologies	Remove the reference in Figure 103-30 so the operation reads: "if (discovery * !registered) then gate_accepted <= TRUE"
Comment Type E Comment Status D Values are not specified for variables.	aligned (registered = TRUE, & gate_accepted = TRUE)
SuggestedRemedy Remove "Value: {TBD}" here and in Line 49	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W	C/ 56 SC 56.1.2 P 25 L 17 # 1382
PROPOSED ACCEPT.	Laubach, Mark Broadcom
Cl 103 SC 103.2.2.4 P 144 L 39 # 1286 Remein, Duane Huawei Technologies	Comment Type ER Comment Status D Avoid term "coaxial PMD", to avoid confusion with previous 802.3 coaxial PMDs where 802.3 "owned" the coax cable: 10Base2, 10Base5. In this standard, EPoC is another service offering on the network.
Editors note should be removed	SuaaestedRemedv
SuggestedRemedy	Uniformly substitute with "coaxial network PMD" or "CCDN PMD" or equivalent as a distingushing qualifier. Do not use "coaxial cable".
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
	There is only one instance of this term in the whole draft.
C/ 102         SC 103.3.3.1         P 157         L 31         # 1284           Remein, Duane         Huawei Technologies         1284	Change "coaxial PMD" to "PMD" without further qualifier.
Comment TypeTComment StatusDThere are 5 references to "75.7.14" in the clause. This sub-clause speaks about laser on/off times which is not applicable to EPoC. The topic of RF on/off times needs to be addressed in Cl 100 and the 5 references in Cl 103 need to point to that material. The changes to Cl 100 are addressed in another comment.	
SuggestedRemedy	
Change "75.7.14" to "100.x.y" in 5 places	
Proposed Response Response Status W	
PROPOSED ACCEPT. Coordinate with CI 100 editors to determine if an appropriate ref. exists.	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/ed COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/o SORT ORDER: Page, Line	Jitorial G/general         Pa 25         Page 15 of 29           open W/written C/closed Z/withdrawn         Li         17         1/8/2014 4:08:26 F

C/ 56 SC 5.1.2 Laubach, Mark	P <b>25</b> Broadcom	L <b>44</b>	# 1383	<i>CI</i> <b>56</b> Remein, I	SC <b>56.1.2</b> Duane	Р <b>25</b> Huawei Tech	L <b>45</b> Inologies	# 1290
Comment Type E For both a) and b): If w Force Objective. Som dependent on deployn plant conditions and R SuggestedRemedy Proposed Response PROPOSED REJECT Bit rates we defined in Furthermore, the exac get allocated, which is Also, comment does r	Comment Status D we are doing "up to" bit rates, t newhere there needs to be a a nent conditions and provisioning F spectrum assigned at deplo <i>Response Status</i> W The Task Force are not precise e at number depends on the num operator specific.	then use the bit n statement tha ng of the cable o yment time. nough to be use aber of 192MHz	rates from the Task t the bit rate will be operator; i.e. based on ed in this table. spectrum channels that	Comment Comr Cl 00 Comr Market text, s Sugg Pick o Recc Mage Yellor ACCI Applie Suggeste Imple Proposed PROI In Cla marki Chan "TBD Chan Repla	t Type E ment 1113 (copi SC 0 P 3 L 11 ment Type E ed text not being some green higl estedRemedy one scheme and ommend: enta text for links w highlighting for EPT. cable to all edito dRemedy ment as agree POSED ACCEF ause 56, change ing. ge "{EPoC_Sign signalling" ge "a) {list of Efa ace all text in gr	Comment Status D red below) from Draft 0.2 not in # 1113 g used consistently throughout hlighting, some red highlighting d use it consistently. s that require updating or text that may require other u ors by the TF Response Status W PT IN PRINCIPLE. e all instances of "XXX Mb/s" to halling_Name}" to PoC PMD types" to "a) TBD" een highlight with live links.	nplemented t the draft. Some g with no appare pdates. o "TBD Mb/s" wi	e Editors use colored ent consistency.
				Cl 56 Laubach, Commeni Line Suggeste Use " Proposed PROI Chan	SC 1.3 Mark t Type E 10 and 12, an e dRemedy CCDN" or "coat Response POSED ACCEF ge "coaxial cab	P 28 Broadcom <i>Comment Status</i> D xample of distinquishing "coax xial network" <i>Response Status</i> W PT IN PRINCIPLE. le" to "CCDN" in Table 56-1.	L 10	# <u>1384</u>

C/ <b>67</b> SC <b>6.1</b> Laubach, Mark	P <b>35</b> Broadcom	L <b>48</b>	# 1385	<i>Cl</i> <b>67</b> Remein, D	SC <b>67.6.1</b> Duane	P <b>36</b> Huawei Tecl	L <b>48</b> hnologies	# 1291
Comment Type ER	Comment Status D		Editor Notes	Comment	Type E	Comment Status D		Editor Notes
Is this an Editor's note?				There	appears to be	an editors note that is improp	erly mareked.	
SuggestedRemedy Be consistent, add "Edit Proposed Response	tors Note" or similar to distin Response Status W	guish.		This a 67.6.2 67.6.3	Ilso applied to 2 pg 37 ln 8 and 3 pg 36 ln 19	I		
PROPOSED ACCEPT I	N PRINCIPLE.			Suggester		DC NOTE (to be remove prior	to publication).	" oo ogrood
See #1291				Pretac		RS NOTE (to be remove prior	to publication);	as agreed
C/ 67 SC 6.3	P <b>36</b>	L <b>24</b>	# 1386	Proposed	Response	Response Status W		
Laubach, Mark	Broadcom			PROF	OSED ACCEP	T IN PRINCIPLE.		
Comment Type E	Comment Status D		Introduction	Prefac	ce with "Editor's	Note (to be removed prior to	publication):"	
SuggestedRemedy make darker, bolder, wh	natever.			67.6.1 67.6.2 67.6.3 67.3 p	pg 36 ln 48 2 pg 37 ln 8 3 pg 36 ln 19 pg 35 ln 15			
PROPOSED ACCEPT I	N PRINCIPLE.			C/ 00	SC 0	P 38	L 1	# 1226
				Remein, D	Duane	Huawei Tecl	hnologies	
DARK GREEN colour in Insert the proper markin represents links to locat	istead. ing under Introduction on pag- ions outside of P802.3bn dra	e 3: "Dark Green aft"	n coloured text	Comment We ne Suggested	<i>Type</i> <b>T</b> eed to determin <i>dRemedy</i>	Comment Status <b>D</b> the the applicability of this figure	e to clause 101, n clause 101, an	102 and possibly 103
				Dropood				
				Proposed PROF Applie	POSED ACCEP es to Cl 101 & 1	PT. 02		
				<i>Cl</i> <b>100</b> Laubach, I	SC <b>100.1.4</b> Mark	P <b>38</b> Broadcom	L <b>3</b>	# 1357
				Comment Figure appro- that w	<i>Type</i> <b>TR</b> 1 was taken fr ved the NCP ch ras accepted as	Comment Status <b>D</b> rom the wrong file. This figure hange into the data channel. s part of laubach 3bn 04c 11	e was to be used Since that was n 13.docx	if the Task Force ot approved, the figure
				Suggested Use th	d <i>Remedy</i> ne figure from k	liger_3bn_01b_1113.vsd		
				Proposed PROP	Response POSED ACCEF	Response Status W T. Will update the figure.		
TYPE: TR/technical required	d ER/editorial required GR/	general required	T/technical E/editorial G/o	neneral		Da 3	18	Page 17 of 20

COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 3	1/8/2014 4:08:26 PM
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#### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

T C tell is a "CE/ / m. se R ACCEPT. Dup I.2.3.1 TR C starting with " unnecessarily M channel E pasis for all C	Comment Status   A channels"? Nee Pesponse Status   plicate of commen P 40 Huawei Comment Status   CLTs capable of g y wordy and comp PoC system must SEDM channels
tell is a "CE/ m. se Ri ACCEPT. Duj I.2.3.1 TR C starting with " unnecessarily M channel E basis for all C	A channels"? Nee Pesponse Status plicate of commen P 40 Huawe Comment Status 'CLTs capable of g y wordy and comp PoC system must SEDM channels
M. se R. ACCEPT. Dup .2.3.1 TR C starting with " unnecessarily M channel E pasis for all C	esponse Status plicate of commer P 40 Huawe Comment Status 'CLTs capable of g y wordy and comp PoC system must DEDM chappels
se Ri ACCEPT. Duj I.2.3.1 TR C starting with " unnecessarily M channel E basis for all C	Pesponse Status plicate of commer P 40 Huawe Comment Status 'CLTs capable of g y wordy and comp PoC system must DEDM chappels
TR C starting with " unnecessarily M channel E basis for all C	P 40 Huawe Comment Status 'CLTs capable of g y wordy and comp PoC system must EDM chappels
TR C starting with " unnecessarily M channel E pasis for all C	Huawe Comment Status 'CLTs capable of g y wordy and comp 'PoC system must DEDM chappels
TR C starting with " unnecessarily M channel E basis for all C	Comment Status 'CLTs capable of ( y wordy and comp :PoC system must )EDM channels
	JI DIVI ONUMICIO.
/	
o paragraphs pport multiple hannels or a	s as: e OFDM channels ny sub-channel tha
se R	esponse Status
ACCEPT IN F equiavalent ch uggested ren so cannot be opts that are u	PRINCIPLE. The e hannels that are us nedy does not defi used. This section used to define the
00.2.3.1	P 40
	Huawe
E C ns starting wit sed spectrum z = 180.3 MH at each mean	Comment Status th "For an OFDM o n, c)" and endin Iz." appear to be n ns).
/	,-
, aragraphs to :	a new Section 100
anagraphis to a	esponse Status
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COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Page, Line

Remein, Duane	Huawei Technologies							
Comment Type And what pray	T Co tell is a "CEA	omment Status <b>[</b> channels"? Nee	<b>)</b> d definition.					
SuggestedRemed Define this ter	<i>'y</i> m.							
Proposed Respon PROPOSED	se Rea ACCEPT. Dupl	sponse Status Vicate of comment	<b>V</b> t 1358; dealt with t	here.				
Cl 100 SC · Remein, Duane	1.2.3.1	<i>P</i> <b>40</b> Huawei	L 23 Technologies	# 1230				

L 17

# 1228

ł

of generating NOFDM-channels of OFDM per RF omplex. I gather what the text is trying to say is nust comply with all OFDM requirements, on a per ls.

nels shall comply with all electrical requirements el that is actively transmitting energy.

#### us W

he existing paragraphs are introducing the re used to define the fidelity requirements in this define the concepts needed later for the fidelity ection can be edited to make more clear that it is the transmitter fidelity requirements.

C/ 100	SC 100.2.3.1	P <b>40</b>	L <b>28</b>	#	1231
Remein, Dua	ane	Huawei Techr	nologies		

DM channel there is a) the occupied bandwidth, b) nding with "and the modulated spectrum is 189.7 be more introductory (i.e., defining terms and

100.1.6 OFDM structure.

n is defining terms that are used in defining fidelity w). Don't think moving out of this section improves

Pa 40

Li 28

Page 18	of 29
1/8/2014	4:08:26 PN

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         101         SC         2.3.1.1 Table 100-1         P 42         L         # 1305           Leo, Montreuil         Broadcom         Broadcom         # 1305         # 130	Cl         101         SC         2.3.1.1 Table 100-1         P 42         L         # 1304           Leo, Montreuil         Broadcom         Broadcom         # 1304         # 130
Comment Type TR Comment Status D I could not find in the document a list of Cyclic Prefix for uptream. There are 16 CP that have been approved (to many to list here).	Comment Type TR Comment Status D I could not find in the document a list of OFDM windows for downstream. There are 5 OFDM Window: 0 μs (0 * Ts), 0.15625 μs (32 * Ts), 0.3125 μs (64 * Ts), 0.625 μs (128 * Ts), 0.9375 μs (192 * Ts) and 1.25 μs ( 256 * Ts).
Add CP to the spec. There are too many options for CP size. It is not useful and add complexity. I recommend reducing the options to: 0.9375 µs (192 *Ts), 1.25 µs (256 *Ts), 1.5625 µs (320 *Ts), 1.875 µs (384 *Ts), 2.1875 µs (448 *Ts), 2.5 µs (512 *Ts), 2.8125 µs (576 *Ts), 3.125 µs (640 *Ts), 3.75 µs (768 *Ts) and 5.0 µs (1024 *Ts).	SuggestedRemedy Add the OFDM window to the spec. Recommend removing the 0.15625 us window as it is not useful and too close to the 0 us case already in the table. Note: The 0.15625 us window is only in the downstream, not in the upstream.
Proposed Response Response Status W PROPOSED REJECT. Reassigned to clause 101 (was 102) The proposal seems to be valid, but the commenter does not provide specific text to be included in the document, table, or where to locate such set of CP definitions. Please make a more complete proposal.	Proposed Response Response Status W PROPOSED REJECT. Reassigned to clause 101 (was 102) The proposal seems to be valid, but the commenter does not provide specific text to be included in the document, table, or where to locate such set of CP definitions. Please make a more complete proposal.
C/         101         SC         2.3.1.1 Table 100-1         P 42         L         # 1306           Leo, Montreuil         Broadcom         Broadcom         # 1306         # 130	Cl         101         SC 2.3.1.1 Table 100-1         P 42         L         # 1303           Leo, Montreuil         Broadcom
Comment Type       TR       Comment Status       D         I could not find in the document a list of OFDM Window for downstream. There are 8       OFDM window that have been approved: 0 µs (0 * Ts), 0.3125 µs (64 * Ts), 0.625 µs (128 * Ts), 0.9375 µs (192 * Ts), 1.25 µs (256 * Ts), 1.5625 µs (320 * Ts), 1.875 µs (384 * Ts) and 2.1875 µs (448 * Ts).         SuggestedRemedy       Add the OFDM windows to the spec. Recommend removing the 0.15625 us window as it is not useful and too close to the 0 us case already in the table. I also recommend reducing the number of windows and make it the same as downstream by removing the 1.5625 µs (320 * Ts), 1.875 µs (384 * Ts) and 2.1875 µs (448 * Ts).         Proposed Response       Response Status       W         PROPOSED REJECT.       Reassigned to clause 101 (was 102)       The proposal seems to be valid, but the commenter does not provide specific text to be included in the document, table, or where to locate such set of CP definitions. Please make a more complete proposal.	Comment Type       TR       Comment Status D       CI 45         I could not find in the document a list of Cyclic Prefix for downstream. There are 5 CP: 0.9375 µs (192 * Ts), 1.25 µs (256 * Ts), 2.5 µs (512 * Ts), 3.75 µs (768 * Ts) and 5 µs (1024 * Ts).       SuggestedRemedy         Add CP to the spec. To simplify the standard, should the 0.9375 us and the 5 us removed?       Proposed Response       Response Status W         PROPOSED REJECT.       Reassigned to clause 101 (was 102)       The proposal seems to be valid, but the commenter does not provide specific text to be included in the document, table, or where to locate such set of CP definitions. Please make a more complete proposal.

Pa **42** Li

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ 100 SC 100.2.3.1.1 P 42 L 12 # 1359	C/ 100 SC 2.3.1.1 Table 100-1 P 42 L 715 # 1300
Laubach, Mark Broadcom	Leo, Montreuil Broadcom
Comment Type TR Comment Status D	Comment Type TR Comment Status D
As a simplification and option reduction exercise for the Task Force, remove all references	The 25 KHz carrier spacing has large latency while providing minimal gain in throughput.
FDD mode. Consider also for TDD mode.	SuggestedRemedy
SuggestedRemedy	Recommend removing the 25 KHz subcarrier spacing (8K FFT) for both downstream and upstream. We should instead focus on the 4K FFT.
Remove 8K FFT, including 40usec symbols and all dependencies from the P802.3bn specification for FDD (and possibly including TDD) operating mode(s).	Proposed Response Response Status W
Proposed Response Response Status W	PROPOSED ACCEPT IN PRINCIPLE. This needs to be motioned before it can be changed
PROPOSED ACCEPT IN PRINCIPLE. A motion to simplify should be presented and	
approved by the working group.	C/ 101 SC 101.1.1 P 57 L 19 # 1235
C/ 100 SC 2.3.1.1 Table 100-1 P 42 L 1415 # 1301	Remein, Duane Huawei Technologies
Leo, Montreuil Broadcom	Comment Type E Comment Status D
Comment Type TR Comment Status D	Comment 1113 (copied below) from Draft 0.2 not implemented
The max number of subcarriers is not needed. What is important is the number of active subcarriers on line 17 and 18	Cloud SC 0 P 3 L 11 # 1113 Comment Type E Norked texts act being used consistently throughout the draft. Some Editors use colored
Subcarriers on line 17 and 10.	text, some green highlighting, some red highlighting with no apparent consistency.
Remove "Maximum Number of Subcarriers per FET" from table 100-1	SuggestedRemedy
	Pick one scheme and use it consistently.
Proposed Response Status W	Magenta text for links that require updating
included to help determine usable capacity. Should verify that the numbers listed are correct (3840/7680).	Yellow highlighting for text that may require other updates. ACCEPT. Applicable to all editors
$C_{100} = C_{2311} = 100 = 1$ $P_{43} = 1718 = 1202$	Suggested Remody
Leo Montreuil Broadcom	Implement as agree by the TE
Comment Type TR Comment Status D	Proposed Response Response Status W
The "Number of Data Subcarriers per FFT" is 3801 and 7601. There is problems of scalability when multiple OFDM blocks are used next to each other. Two blocks of 4K FFT	PROPOSED REJECT.
is 7602 subcarriers.	Unclear as to what changes are needed in the draft.
SuggestedRemedy	
To solve this problem, I recommend setting the max to 3800 and 7600. Note: If the 8K FFT is removed from spec, it will be 3800 for this item.	
Proposed Response Response Status W	
PROPOSED ACCEPT IN PRINCIPLE. This change needs to be motioned before a change can be made.	

Pa **57** Li **19** 

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ 101 SC 101.2.1 P 58 L 6 # 1234	C/ 101 SC 101.3.1 P63 L15 # 1238
Comment Type E Comment Status D	Comment Type I Comment Status D
Comment T113 (copied below) from Draft 0.2 not implemented CI 00 SC 0 P 3 L 11 # 1113 Comment Type E Marked text not being used consistently throughout the draft. Some Editors use colored text, some green highlighting, some red highlighting with no apparent consistency. SuggestedRemedy Pick one scheme and use it consistently. Reccommend: Magenta text for links that require updating Yellow highlighting for text that may require other updates. ACCEPT. Applicable to all editors SuggestedRemedy Implement as agreed by the TF Proposed Response Response Status W PROPOSED REJECT.	CRC40 should be included in the overview         SuggestedRemedy         Change the sentence reading "The FEC mechanism increases the available link budget." to         "The FEC mechanism increases the available link budget and includes a CRC40 to ensure that mean time to false frame acceptance objectives are met."         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Change the sentence       "The FEC mechanism increases the available link budget." to         "The FEC mechanism increases the available link budget. The FEC codeword additionally includes a CRC40 to ensure that mean time to false frame acceptance objective is met."         Cl 101       SC 101.3.1.1       P63       L 22       # 1237
Unclear as to what changes are needed in the draft.	Remein, Duane Huawei Technologies
Cl 101       SC 101.3.1       P 63       L 11       # 1236         Remein, Duane       Huawei Technologies         Comment Type       T       Comment Status       D         The statement "The EPoC PCS is specified to support the operation of up to 10 Gb/s in the downstream direction and up to 10 Gb/s in the upstream direction" appears to be in jeopardy and could be construed as intentionally misleading as it is unlikely we will approach the 10 Gbps mark in either US or DS.         This comment also applies to Sub-Cl 101.3.4 pg 68 ln 2         This comment also applies to Sub-Cl 101.4 pg 94 ln 3         SuggestedRemedy         Replace "10 Gb/s" with "TDB Gb/s" in two places in this statement.         Proposed Response       Response Status       W         PROPOSED REJECT.         The current statement is consistent with the approved objectives for the project. Should a change of such objectives be needed, objectives need to be first modified, and then draft aligned to them, and not vice versa.	Comment Type       T       Comment Status       D         I don't see how this statement has any basis in truth "The EPoC PCS extends the 10GBASE-PR PCS described in Clause 76 to support TDD and FDD mode of operation over the point-to-multipoint coaxial medium architecture."       This is hardly and extension of Cl 76.         SuggestedRemedy       Change the sentence to read "The EPoC PCS supports TDD and FDD mode of operation of the EPON protocol defined elsewhere in this standard over a point-to-multipoint coaxial medium architecture."         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       Change the sentence to read "The EPoC PCS supports TDD and FDD mode of operation of the EPON protocol over a point-to-multipoint coaxial medium architecture."

Pa **63** Li **22** 

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ 101 SC 101.3.2	P 63	L 35	# 1239	C/ 101	SC 101.3.4	P 68	L <b>30</b>	# 1374
Remein, Duane	Huawei Techi	nologies		Laubach, I	Mark	Broadcon	1	
Comment Type T	Comment Status D			Comment	Type ER	Comment Status D		
BQ had not context ye	et.			Two c	omments in figu	re: 1) "64B/66B" should re ing 65B encoding/decodir	eflect 65B in some	manner so as to indicate
SuggestedRemedy				to refle	ect addition of C	RC-40.		Should be TEO/CITC
Add a linked cross refe	erence to Table 101-6 such a	s "This value is	computed as a function	Suggested	IRemedy			
the FEC codeword.		01-0), ionning	ine payload portion of	Chang	e the labels to "	64B/66B/65B" and "FEC/	CRC", respectively	, or similar.
Proposed Response	Response Status W			Proposed	Response	Response Status W		
PROPOSED ACCEPT	ī. ·			PROP	OSED REJECT	•		
C/ 101 SC 101.3.3 Remein, Duane	Р <b>64</b> Huawei Tech	L <b>42</b> nologies	# 1240	The en	ncoder we use is coder is correct	s 64B/66B and then we se as is.	lectively drop one	bit. As such, the name of
Comment Type <b>T</b> Hopefully we can agre FDD.	Comment Status <b>D</b> te on using a single FEC code	e for the Downs	tream for both TDD and	CRC r For ex name.	epresents only o ample, in the M	one consituting feature of AC sublayer, we do not in	the FEC frame, and clude CRC8 or CR	d not the function itself. C32 in the sublayer
SuggestedRemedy				C/ 101	SC 101.3.4	P 69	L 14	# 1375
Reword the first sente	nce in this para to:			Laubach, I	Mark	Broadcom	ı	
"The CLT 10GBASE->	(R PCS operating on CCDN s	shall encode the	e transmitted data using	Comment	Type ER	Comment Status D		
Proposed Response PROPOSED REJECT	Response Status W			Two c this sp to refle	omments in figu ecification is do ect addition of C	re: 1) "64B/66B" should re ing 65B encoding/decodir RC-40.	eflect 65B in some ig, 2) "FEC encode	manner so as to indicate " should be "FEC/CRC"
There has been no pro	poosal so far for TDD in terms	of FEC codes	or presentation of the	Suggested	IRemedy			
applicably of FDD cod	es for TDD. The "hope" has n	othing to do wit	h it - we need analysis	Chang	e the labels to "	64B/66B/65B" and "FEC/	CRC", respectively	, or similar.
to prove these are app	blicable.			Proposed	Response	Response Status W		
C/ 101 SC 101.3.3	P <b>64</b> Huawei Tech	L 44	# 1241	PROP	OSED REJECT			
Comment Type T	Comment Status D			The er the en	ncoder we use is coder is correct	s 64B/66B and then we se as is.	lectively drop one	bit. As such, the name of
The selection mechan	ism for US FEC code has not	been determin	ed.	CRC r	epresents only o	one consituting feature of	the FEC frame, and	d not the function itself.
SuggestedRemedy				For ex	ample, in the M	AC sublayer, we do not in	clude CRC8 or CR	C32 in the sublayer
Marek the text "7, as s tentative (Yellow highli	elected using register TBD."	in the last sente	ence in this para as	name.				
Proposed Response	Response Status W							
PROPOSED REJECT	•							
The text was approved	d by TF and as such, it is not	"tenative".						
No changes to the dra	ft are needed.							

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: Page, Line

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Li	14	1/8/

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### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         101         SC         101.3.4.3.5         P 78           Remein, Duane         Huawe	L <b>28</b> i Technologies	# 1242	<i>Cl</i> <b>101</b> Laubach, M	SC <b>101.3.5</b> . <i>N</i> ark	.1.3.2	P <b>87</b> Broadcom	L <b>2</b>	# 1360
Comment Type E Comment Status wording " simplifies allows".	D		<i>Comment</i> Add va	<i>Type</i> <b>TR</b> Iriable for CNU	Commen RX FEC code	<i>t Status</i> <b>D</b> eword counter.		FEC Counter
SuggestedRemedy remove "allows" Proposed Response Response Status	w		Suggested CNU_F TYPE: This va	Remedy RX_FEC_Code 32-bit unsigne ariable is increr	Word_Count d integer nented for eve	ery datain codew	ord received.	
			Proposed F	Response	Response	e Status W		
C/ 101 SC 101.3.4.3.5 P78	L 31	# 1243	PROP	OSED ACCEP	T IN PRINCIP	LE.		
Comment Type TR Comment Status I Where did this come from? "The Start of Burst delimiter is followed by the (burstFecSelector constant, see TBD), which CNU to encode data in the given burst. The F FEC codeword." I don't recall ever discussing a "FEC Selector	<ul> <li>b</li> <li>65-bit long FEC Sel</li> <li>identifies the specific</li> <li>EC Selector delimite</li> <li>" in the TF</li> </ul>	ector delimiter FEC code used by the r is not part of the first	This cc #1365, comme Insert t FecCo TYPE: This va	Imment needs #1366, #1367 Int / file, to mal the following va deWordCount 32-bit unsigne ariable is increr	to be conside . In the future, ke sure they a ariable into def d integer nented for eve	red together with please include tre considered a finitions in 101.3	n #1360, #1361, all associated cl ccordingly. .5.1.3.2 Variable C codeword. Afte	#1362, #1363, #1364, hanges in a single es er reaching 0xFF-FF-FF-
Mark the para preliminary (Yellow highlight)			FF, this	3 variable is se	t to 0x00-00-0	10-00.		
Proposed Response Response Status PROPOSED REJECT.	w		C/ <b>101</b> Laubach, M	SC <b>101.3.5</b> . <i>N</i> ark	.1.3.2	P 87 Broadcom	L <b>2</b>	# 1361
Text was approved at the last meeting - see	comment #1111 agai	nst D0.2.	Add va	riable for CNU	RX FEC code	eword CRC faile	d counter.	FEC Counter
C/     101     SC     101.3.4.3.6     P 79       Remein, Duane     Huawe       Comment Type     TR     Comment Status       The final statement is incorrect (at least so fa       "Only one of the EEC codes defined in Table	L 52 i Technologies D Ir as the TF has discu	# 1244	Suggested CNU_F TYPE: This va Proposed F	Remedy X_FEC_Code 32-bit unsigne ariable is increr Response	Word_Fail d integer nented for eve <i>Response</i>	ery datain codew e Status <b>W</b>	rord received wit	th failed CRC-40.
register TBD."			PROP	OSED ACCEP	T IN PRINCIP	LE.		
SuggestedRemedy Strike the statement.			This cc #1365,	mment needs #1366, #1367	to be conside	red together with	n #1360, #1361,	#1362, #1363, #1364,
Proposed Response Response Status PROPOSED REJECT.	N		Insert t	he following va	ariable into del	finitions in 101.3	.5.1.3.2 Variable	es
Text was approved at the last meeting - see of	comment #1111 agaiı	nst D0.2.	FecCo TYPE: This va	deWordFail 32-bit unsigne ariable is increr	d integer nented for eve	ery received FEC	codeword for v	vhich the decoding

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa87Page 23 of 29COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed Z/withdrawnLi21/8/2014 4:08:26 PMSORT ORDER: Page, Line

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         101         SC         101.3.5.1.3.2         P 87         L 2         # 1363           Laubach, Mark         Broadcom         Broadcom	C/         101         SC         101.3.5.1.3.5         P         88         L         31         #         1364           Laubach, Mark         Broadcom         Broadcom
Comment Type T Comment Status D FEC Counters	Comment Type TR Comment Status D FEC Counters
Add variable for CNU RX MAC frame counter, only if this counter is not already present somewhere else in the PHY.	Add codeword counter increment to block.
SuggestedRemedy CNU_RX_FEC_MAC_Frame_Count TYPE: 32-bit unsigned integer This variable is incremented for every received 64B/66B/65B decoded block where the Sync Header indicates Terminate	SuggestedRemedy In DECODE_CACULATE_CRC40 add: CNU_RX_FEC_CodeWord_Count++ Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE
Proposed Response Response Status W PROPOSED REJECT.	This comment needs to be considered together with #1360, #1361, #1362, #1363, #1364, #1365, #1366, #1367
At this location, we are still operating on 65-bit blocks, so we cannot compare it to 66-bit long Terminate sequence. Furthermore, definition is incorrect, since SyncHeader alone does not indicate Terminate	Figure 101-12-FEC Decode, input process state diagram (CNU), insert in the state DECODE_CACULATE_CRC40 at the bottom of the state:
sequence - it is the whole sequence in 66 bit block that indicates that.	"FecCodeWordCount++"
C/ 101         SC 101.3.5.1.3.2         P 87         L 2         # 1362           Laubach, Mark         Broadcom	Figure 101-12-FEC Decode, input process state diagram (CNU), insert in the state RESET at the bottom of the state:
Comment Type TR Comment Status D FEC Counters Add variable for CNU RX FEC codeword CRC success counter.	"FecCodeWordCount <= 0"
SuggestedRemedy	
CNU_RX_FEC_CodeWord_Fail TYPE: 32-bit unsigned integer This variable is incremented for every datain codeword received with successful CRC-40.	
Proposed Response Response Status W	
PROPOSED ACCEPT IN PRINCIPLE.	
This comment needs to be considered together with #1360, #1361, #1362, #1363, #1364, #1365, #1366, #1367	
Insert the following variable into definitions in 101.3.5.1.3.2 Variables	
FecCodeWordSuccess TYPE: 32-bit unsigned integer This variable is incremented for every received FEC codeword for which the decoding process completes successfully. After reaching 0xFF-FF-FF, this variable is set to 0x00- 00-00-00.	

Pa **88** Li **31** 

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

<i>Cl</i> <b>101</b> Laubach,	SC Mark	101.3.5.1	.3.5	P 88 Broadcom	L 38	#	# 1366	<i>Cl</i> <b>101</b> Laubach, I	SC Mark	101.3.5.1	.3.5	P 88 Broadcom	L <b>38</b>	#	1365
Commen Add o	<i>t Type</i> codewor	TR d success	Comme counter ir	ent Status <b>D</b> acrement to block.			FEC Counters	Comment Add c	<i>Type</i> odewor	TR d failed c	Comm ounter incl	ent Status D rement to block.			FEC Counters
Suggeste In DE CNU	edRemed ECODE_ _RX_FE	dy SUCEES C_CodeW	S add: /ord_Suce	ss++				Suggested In DE CNU_	dReme CODE_ RX_FE	dy _FAILED : :C_Code\	add: Vord_Fail-	++			
Proposed	d Respor	nse	Respon	se Status W				Proposed	Respo	nse	Respor	nse Status W			
PRO	POSED	ACCEPT	IN PRINC	IPLE.				PROF	POSED	ACCEPT	IN PRINC	CIPLE.			
This #136	commen 5, #1366	it needs to 5, #1367	be consid	lered together with	#1360, #1361,	#1362,	#1363, #1364,	This c #1365	ommer , #1366	nt needs t 6, #1367	o be consi	dered together with	#1360, #136	51, #1362, ;	#1363, #1364,
Figur DEC	e 101-12 ODE_SU	2-FEC De JCEESS a	code, inpu at the botto	t process state dia m of the state:	gram (CNU), in	sert in th	ne state	Figure DECC	9 101-12 DE_FA	2-FEC De AILED at t	code, inpution	ut process state diag of the state:	gram (CNU),	insert in th	e state
"Fec	CodeWo	rdSucces	s++"					"FecC	odeWo	ordFail++"					
Figur at the	e 101-12 bottom	2-FEC De of the sta	code, inpu ite:	t process state dia	gram (CNU), in	sert in th	ne state RESET	Figure at the	e 101-12 bottom	2-FEC De	ecode, inpu ate:	ut process state dia	gram (CNU),	insert in th	e state RESET
"Fec	CodeWo	rdSucces	s <= 0"					"FecC	odeWc	ordFail <=	0"				
								<i>CI</i> <b>101</b> Laubach, I	SC Mark	101.3.5.1	.3.5	P 88 Broadcom	L <b>43</b>	#	1367
								Comment Add P	<i>Туре</i> НҮ МА	T C Frame	Comm counter, if	ent Status <b>D</b>	nere.	FEC Col	inters (terminate)
								Suggested In SEI If Syn CNU	dReme ND_DA c_Heac _RX_F	dy TA_OUT der( tx_co EC_MAC	, add the fo ded<65:0> _Frame_C	<pre>blowing or similar: &gt; ) == Terminate; the Count++</pre>	en		
								Proposed	Respo	nse	Respor	nse Status W			
								PROF	OSED	REJECT					
								At this long T	locatic ermina	on, we are ite sequer	e still opera nce.	ating on 65-bit block	s, so we can	not compa	re it to 66-bit

Pa **88** Li **43** 

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         101         SC         101.4         P 94         L 46         #         1250           Remein, Duane         Huawei Technologies         Huawei Technologies	C/         101         SC         101.4.2.1         P 95         L 37         # 1247           Remein, Duane         Huawei Technologies         Huawei Technologies         Huawei Technologies         Huawei Technologies
Comment Type E Comment Status D Template update Errant figure number.	Comment Type <b>T</b> Comment Status <b>D</b> Text for 101.4.2.1 Idle control character deletion process
SuggestedRemedy         Figure titled "Figure 101-1-EPoC PCS functional block diagram, downstream path for TDD mode" should be figure 101-15. Renumber and check subsequent figure number in clause.         Proposed Response       Response Status       W	SuggestedRemedy Insert the following: The Idle control character deletion process for FDD is identical to that for the FDD PCS described in 101.3.4.1
PROPOSED ACCEPT IN PRINCIPLE. The problem is related with the template due to the use of H6 styles. Style updates will be needed across the whole draft to make sure it works correctly for all Clauses.	Proposed Response Response Status W PROPOSED REJECT. The process cannot be the same, since the process itself (counters, specifically) will have to account for the empty periods between bursts. Current FDD SDs do not account for that
C/         101         SC         101.4.1         P 95         L 33         #         1246           Remein, Duane         Huawei Technologies         Huawei Technologies	and assume continuous data stream.
Comment Type <b>T</b> Comment Status <b>D</b> Text for TDD PCS Overview sub-clause	C/ 101         SC 101.4.2.2         P 95         L 39         # 1248           Remein, Duane         Huawei Technologies
SuggestedRemedy         Insert the following:         "The TDD PCS layer is identical to the FDD PCS layer with the following exceptions:         - The TDD CLT downstream PCS includes a Data Detector process, similar to that found in the FDD PCS described in 101.3.4.3.1, with exceptions as noted in 101.4.2.4.         - The TDD CLT downstream PCS includes the PMA_SIGNAL.request as described for the CNU upstream PCS.         Proposed Response       Response Status         PROPOSED REJECT.         The text of introduction should be consistent with the remainder of the TDD subclause, which is currently missing. The proposed text makes a lot of forward going assumptions. First we need details and then add overview, not the other way around.	Comment Type       I       Comment Status       D         Text for 101.4.2.2 64B/66B Encode         SuggestedRemedy         Insert the following:         The 64B/66B Encode for TDD is identical to that described for the FDD PCS described in 101.3.4.2         Proposed Response       Response Status       W         PROPOSED REJECT.         TDD does not have selected FEC code, and it is not clear whether the code truncation is appropriate, and whether the resulting FEC codeword structure used by FDD is appropriate. Blind adoption of things for TDD just becaue they are used by FDD without proper analysis is strongly discouraged.         C/ 101       SC 101.4.2.3       P 95       L 40       # 1245         Remein, Duane       Huawei Technologies         Comment Type       E       Comment Status       D
	Certainly we don't need another sub-clause describing 64B/66B Encode SuggestedRemedy Strike 101.4.2.3 64B/66B Encode Proposed Response Response Status W PROPOSED ACCEPT.

Page 26 of 29 1/8/2014 4:08:26 PM

Pa **95** Li **40** 

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

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C/ 101 SC 101.4.2.4 Remein, Duane	P <b>95</b> Huawei Technolo	L <b>43</b> ogies	# 1249	C/ 101 Montreuil, Le	SC <b>101.5.4</b> o	P <b>99</b> Broadcom	L <b>40</b>	# 1293
Comment Type T Comr	ment Status D			Comment Ty	pe TR	Comment Status D		
Text for 101.4.2.5 FEC Encode	and Data Detector proc	ess		It is prer	nature to decid	le on BM mapping scheme a	s the time 1-D to	o OFDMA 2-D mapping
SuggestedRemedy Insert the following:				has not been de alignme	decided. Excep cided. Simulati ht.	ot for 1, 4 or 8 subcarriers, th ons have uncovered poor cro	e Resource Bloo oss-correlation f	ck (RB) size has not or some sequence
The FEC Encode and Data Det	ector process for TDD is	s identical to	that described for the	SuggestedR	emedy			
The downstream data detector as described in 101.3.4.3.5 but, OFF at the conclusion of the co	for TDD mode includes in the TDD downstrear nfigured TDD_DS_fram	the PMA_SI n case, this s time period	GNAL.request output ignal is only turned I.	The BM We wan decided	ternary signali to revisit the s	ng scheme is a good idea an sequences and mapping whe	d differentiates in the RB size a	it from the data stream nd 1-D to 2-D has bee
Proposed Response Respo	nse Status W			Proposed R	esponse	Response Status W		
PROPOSED REJECT. At this time, there is no approve	d baseline for the operation	ation for TDD	mode, or the operation	PROPO No spec	SED REJECT. fic changes to	the draft proposed.		
of the data detector.				C/ 101	SC 101.5.4	P <b>99</b>	L <b>40</b>	# 1294
C/ 101 SC 101.5.1	P 99	L 11	# 1298	Montreuil, Le	0	Broadcom		
Nontreuil, Leo	Broadcom			Comment T	pe TR	Comment Status D		
Comment Type TR Comr	ment Status D			If the BN	l size if larger	than the RB, do we truncate	the BM? Or spa	n it across multiple RB
There are two type of signaling	for the BM, a ternary sig	gnaling and a	two level BPSK signal.	What is	he rule?	,,		
Why do we need two type of sig	naling?			SuggestedR	emedy			
SuggestedRemedy								
Should we drop one scheme?				Proposed R	sponse	Response Status W		
Proposed Response Respo	nse Status W			PROPO	SED REJECT.			
PROPOSED REJECT. No specific changes to the draft	proposed.			It is a qu	estion, without	t a comment. No specific cha	inge to the draft	proposed.
C/ 101 SC 101.5.1	P 99	L <b>3</b>	# 1368	-				
_aubach, Mark	Broadcom							
Comment Type ER Comr	nent Status D							
Header says "Intro" but jumps r by position an Introduction to th	ght into Burst Marker d e PMA, not a sub-functi	escription. T	his is assumed to be					
SuggestedRemedy								
Fix to provide separate intro, su Diagram, etc.	bsections, etc. Followin	ng block func	tions from PHY Path					
Proposed Response Respo	nse 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: Page, Line

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IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/         101         SC         101.5.4         P         99         L         41         #         1370           Laubach, Mark         Broadcom         Broadcom	C/         101         SC         101.5.1         P         99         L         5         #         1369           Laubach, Mark         Broadcom         B
Comment TypeTComment StatusDBased on previous TF decision in pietsch_3bn_01_0513.pdf, resource block architecture will consist of N-subcarriers x M-symbols (frame width) that forms a frame. Within the frame, there will be other elements, a known pilot patterns all part of OFDM processing and then data. Burst Markers as presented as another form of modulated data (non an OFDM processing element and the modulation rate may be different than the data; e.g. ternary) that do not displace pilots or the other elements. The wording seems to indicate that burst markers may displace more than data, which doesn't seem consistent.SuggestedRemedy Recommend clarity and consistency with pietsch_3bn_01_0513.pdf	Comment Type       ER       Comment Status       D         While this is a good starting point for Burst Markers, it is premature given that Task Force has not made any technical decisions on the foundation architecture in which Burst Markers need to operate: Resource Block architecture, 1D-to-2D mapping, pilot distribution/insertion algoritm, interleaving, use of guard bands, etc.         SuggestedRemedy       Add and Editor's Note stating that the section on Burst Markers is a preliminary start and will be updated pending further Task Force decisions on: Resource Block architecture, 1D-to-2D mapping, pilot distribution/insertion algoritm, interleaving, use of guard bands, etc.         Proposed Response       Response Status       W
Proposed Response       Response Status       W         PROPOSED REJECT.       No specific changes to the draft were proposed. Editor does not feel sufficiently qualified to interpret what is clear and consistent withpietsch_3bn_01_0513.pdf	PROPOSED REJECT. The draft includes current TF approved material. Adding an Editor's Note essentially overrides decision of TF from last meeting. If needed, a vote on this comment will be taken at the F2F meeting. Also comment is technical and not editorial in nature.
C/       101       SC       101.5.1       P 99       L 5       # 1292         Montreuil, Leo       Broadcom         Comment Type       TR       Comment Status       D         Burst Markers (BM) are used to indicate Start and End of burst. How do we differentiate between Start and End? There are 4 profiles for BM but none specific for Start and End of burst.	Cl 101       SC 101.5.5       P 99       L 52       # 1297         Montreuil, Leo       Broadcom         Comment Type       TR       Comment Status       D         Simulations indicate that BM sequences are optimized for the BM preceded and followed immediately by the OFDMA data stream. Because of the granularity of the RB and the 1-D
SuggestedRemedy Have specific BM for Start and End.	to 2-D mapping, it is likely that we need to schedule idle time between OFDMA burst from different CNU.
Proposed Response Response Status W PROPOSED REJECT.	We may need to design sequences that exploit the silence between burst to improve robustness and decrease the overhead.
היט שיטוויט טומווקטש נט נווב עומוג אוטאטפע.	Pronosed Response Despanse Status W

Proposed Response Response Status W

PROPOSED REJECT.

No changes to the draft proposed. The comment seems more a discussion on the approved text, than a comment against the draft itself.

### IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Task Force review comments

C/ 101	SC 101.5.5	P 9	9	L <b>53</b>	#	1371
Laubach,	Mark	Broad	dcom			
Comment	Туре Е	Comment Status	D			
Does art?	"Gold Sequence"	needs some a refer	ence or	is it sufficiently we	ell under	stood in the
Suggeste Add re	<i>dRemedy</i> eference if necess	sary.				
Proposed	Response	Response Status	w			
PROF Editor	POSED REJECT.	alified enough to pro	pose su	ich a reference, an	nd none v	was provided

by the commenter. No changes to the draft at this time.

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: Page, Line

Pa **99** Li **53**  Page 29 of 29 1/8/2014 4:08:26 PM