C/ 00	SC O	P 17	L	# 1060	C/ 01	SC 1.4.x o	hannel width	P <b>12</b>	L 18	# 1047	
Mallette, E	Edwin	Bright House	Network		Mallette, E	dwin		Bright House	e Network		
Comment	Type ER	Comment Status A			Comment	Type ER	Comment	Status R		Definitions	
Multip	le cases of "activ	e coaxial distribution network	" or "active CCI	DN" or "active coax	RF needs to be added to the acronym list. SuggestedRemedy						
Suggester	dRemedy	ork - the conect term is any	Jineu .								
Chan	de everv occurrei	nce related to the active coax	on network to an	Please	e add RF to th	e acronym list.					
amplified coax cable distribution network.						~~	Response S	Status C			
Response	•	Response Status C			REJE The lis	CT. st of acronvns	does not have to	exhaustive. V	Ve typically inclu	de only acronyms that	
ACCE Applic	PT. able to all clause	25			are brand new and do not have industry-known expansion. This is not the case with RF, which is a well-known acronym.						
C/ <b>01</b>	SC 1.4	P <b>12</b>	L <b>14</b>	# 1077	C/ 01	SC 1.4.x c	yclic prefix ove	r P 12	L 26	# 1048	
Hajduczer	nia, Marek	ZTE Corporation	tion		Mallette, E	dwin		Bright House	e Network		
Comment	Type TR	Comment Status A		Definitions	Comment	Туре Т	Comment	Status A		Definitions	
From forwar	all definitions in f rd into the draft.	I.4, only a handful are actuall	y meaningfull ai	nd ought to be carried	cyclic atypic	prefix overhea al. The specif	d definition has a ic detail seems b	a formula and etter detailed	extensive descrip within the draft be	ption, which seems ody.	
Suggestee	dRemedy				Suggested	Remedy					
Remo Coax	ve all definitions Cable Distributio	with the except of the followir n Network	ng items:		Recommend striking all text after the first sentence. Thus starting with "The duration of the cyclic prefix" to "OFDM symbol without the cyclic prefix."						
Coax	Network Unit				Response		Response S	Status C			
Cyclic OFDN	Prefix (should be symbol	e further simplified, it is way t	oo wordy)		ACCE See al	PT. so #1077					
Response	a symbol	Response Status C			Chang	ged from E to	г				
, ACCE	PT.				C/ 01	SC 1.4.x o	lata burst	P 12	L 39	# 1050	
Chang	ges to Cyclic Pret	ix definition per #1048			Mallette, E	dwin		Bright House	e Network		
C/ 01	SC 1.4.x da	ta burst P 12	L <b>44</b>	# 1046	Comment	Туре Е	Comment	Status A		Defnitions	
Mallette, E	Edwin	Bright House	Network		Data b	ourst and "burs	st mode operation	n" is exhaustiv	vely described in	76.3.2.5 and there is no	
Comment	Type ER	Comment Status A			need for this lengthy description.						
AGC -	- Automatic Gain	Control is not in the abbrevia	tion list.		Suggested	Remeay	use 1.4 x data bi	iret			
Suggestee	dRemedy				Posponso						
AGC I	needs to be adde	d to the abbreviation list.				PT	Responses	siaius 🕻			
Response ACCE	PT.	Response Status C			See al	so #1077					

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

					-						
C/ 01 SC 1.4.x da	ata detector	P <b>12</b>	L <b>48</b>	# 1049	C/ 01	SC 1.4.x Int	erleaver	P <b>13</b>	L 36	# 1053	
Mallette, Edwin		Bright House	Network		Mallette,	Edwin		Bright House	Network		
Comment Type E	Comment	Status A		Definitions	Commen	t Type <b>T</b>	Comment S	Status R		Definitions	
The data detector is e of text.	exhaustively de	escribed in 76.3.2	2.5. There is no	need for this addition	In IEEE Std 802.3-2012 definition for a Scrambler includes the following statement: "avoid the presence of spectral lines in the signal spectrum without changing the signaling rate."						
SuggestedRemedy Please strike the data	a detector sub-	clause.			Are the requirements to not change the signaling rate by passing through an interleaver assumed? If so, should we add it for parallelism?						
Response	Response	Status C			SuggestedRemedy						
ACCEPT. See also #1077						text stating that si ment is, in fact, co	gnaling rate is r orrect.	not effected by	/ passing through	the interleaver, if that	
					Respons	e	Response S	Status C			
C/ 01 SC 1.4.x Id Mallette, Edwin	le Deletion	P <b>13</b> Bright House I	L <b>27</b> Network	# 1051	REJE No cl	ECT. lear resolution to the state	this comment a	t this time. At I	best, discussion	is needed at the	
Comment Type E	Comment	t Status A		Definitions	meet	ing.					
idle deletion is exhau description. This text	stively describe was not require	ed in 76.3.2.1 an ed for 10G-EPOI	d there is no nee N. Why is it nee	ed for this lengthy ded for EPoC ?	C/ 01 Mallette,	SC 1.4.x Ro Edwin	und Trip Time	P 14 Bright House	L 24 Network	# 1054	
SuggestedRemedy					Commen	t Type E	Comment S	Status A		Definitions	
Recommend striking	this subsection	۱.			Rour	nd trip time and th	e EPON rangin	g process is fu	ully described wit	hin 77.2.1.1.	
Response	Response	Status C			Suggeste	edRemedy					
ACCEPT.					Reco	mmend not desc	ribing RTT in th	e definitions, t	hus please strike	).	
See also #1077					Respons	е	Response S	Status C			
C/ 01 SC 1.4.x ld	le Insertion	P <b>13</b>	L 33	# 1052	ACC	EPT.					
Mallette, Edwin		Bright House	Network		See	also #1077					
Comment Type E	Comment	Status A		Definitions	C/ 01	SC 1.4.x sw	itching	P 14	L <b>34</b>	# 1055	
idle insertion is exhau	stively describ	ed in 76.3.3.7 ar	nd there is no ne	ed for this lengthy	Mallette,	Edwin		Bright House	Network		
description. This text	was not require	ed for TUG-EPUI	N. Why is it nee	ded for EPOC ?	Commen	t Type TR	Comment S	Status A		Definitions	
SuggestedRemedy					"Switching" is a heavily overloaded term. This should not be included broadly within the						
Strike this subclause.						itions. For instan	ce, "switching"	occurs in 802.	3 page 830 to in	dicate changing	
Response	Response	Status C			between a weak transmit power and a strong transmit power.						
ACCEPT. See also #1077					SuggestedRemedy						
					Reco	ommend striking the on in question to o	his subsection a describe the TD	and completely D mode of sw	y relying on the c <i>i</i> itching or turn-ai	ontext within the ound time.	
					Respons	e	Response S	Status C			
					ACC See a	EPT. also #1077	·				

C/ 101 SC		P <b>29</b>	L 1	# 1062	C/ 102	SC	102.1		P <b>29</b>	L 11	# 1061	
Mallette, Edwin		Bright House	Network		Mallette, E	dwin			Bright Hous	e Network		
Comment Type	T Commen	t Status R			Comment	Туре	Е	Con	nment Status A			
It is very difficult section with any clause 101.	t to understand how hope of understand	clause 101 is di ding I have to cc	ifferent than clau ontinually switch	use 76. To review the between clause 76 and	Why d "P2MF	oes thi P is an a	s followin asymmet	ig inform ric mediu	ation matter ? um based on a tree	(or tree-and-bran	ch) topology. The DTE	
SuggestedRemedy					conne	cted to	the trunk	of the tr	ee is called cable li	ne terminal (CLT)	and the DTEs	
Recommend a c 1) Copy clause so the reader ca	couple possible rem 76 to clause 101 an an clearly identify the	edies: d make change: e changes betw	s to clause 101 een clause 101	with change tracking on and clause 76.	connected at the branches of the tree are called cable network units (CNU). The CLT typically resides at the service providerÕs facility, while the CNUs are located at the subscriber premises."							
2) Place a note changes (if the c	to the editor indicati changes are substan	ng to copy claus ntial, this is prot	se 76 to clause <sup>2</sup> bably less ideal t	101 with the following han 1 above.)	"In the throug each ( the sic	downs h a cas CNU" is	tream dir cade of i not prec	rection (f interconr isely cor	rom the CLT to a C nected splitters, taps rect. In the upstream	NU), signals trans s, combiners and n direction (from the CLT, but point	smitted by the CLT pass amplifiers and reach the CNUs to the CLT),	
Response	Response	Status C			Currentes			by an Ci	VO WOULD ONLY TEAC		other CNOS.	
PCS for EPoC is distinctly different from PCS in 10G-EPON in more than one way, and as such it is not possible to reuse in any large portion Clause 76. We do reuse some concepts, but state diagrams, textual description, etc. need to be adapted to specific EPoC needs.						The first paragraph shown above is a repeated statement from previous text. The second paragraph is irrelevant to MAC control. All that's needed is a description that we have multiple stations attached to the same P2MP topology and as a result we need a way to avoid data collisions and increase the efficiency of the subscriber access network followed by TDD and FDD operational differences -> mandatory information.						
C/ 102 SC 10	)2	P 65	<i>L</i> 1	# 1078	Response			Resn	onse Status C	,		
Hajduczenia, Marek		ZTE Corpora	ition		ACCE		PRINCIPI	I F				
Comment Type Clause 102 is co modified from ou find what location	TR Commen urrently completely u riginal clause 77 (pro- pos were modified an	<i>t Status</i> <b>D</b> unreadable in th obably 95% or r nd actually focu	hat it presents bu more). It is very o s on the text tha	<i>CL 102 whole</i> Ilk material that was not difficult for a reade to t was modified.	While Replac the op units r	this tex ce the p tical lin eplaced	t is in bot bara with: e termina d by cable	th CL 64 The Ef being r e networ	& 75 it can be simp PoC topology is sim replaced by a cable k units (CNU) and c	lified here. ilar to the P2MP t line termianal (Cl operating over a c	opology of EPON with T), the optical network oaxial network rather	
SuggestedRemedy					than a	n optica	al networ	K."				
Suggest to: 1) remove existi content from Cla 2) after this instr work for EPoC. through copy of	ing text and replace ause 77 and apply th ruction, show only th These ought to be s the whole clause m	it with the follow he following cha he changes that shown using reg haterial.	ving editorial ins inges:" are required to ular editorial ins	truction "Copy all Clause 77 to make it tructions and not								
Proposed Response	e Response	Status W										
PROPOSED RE See comment 1	EJECT. 063 for resolution											

C/ 102 SC 102.1

C/ 102 SC all	P <b>29</b>	L	# 1063	C/ 56 SC 56	5.1	P 17	L 15	# 1056			
Mallette, Edwin	Bright House	Network		Mallette, Edwin Bright House Network							
Comment Type T	Comment Status D		CL 102 whole	Comment Type	E	Comment Status A					
It is very difficult to u	understand (in some cases) how	clause 102 is	different than clause	There are a couple editorial issues with the new text shown below:							
between clause 64 a	and clause 101.	anding I have to	continually switch	Furthermore, the EFM also introduces the concept of EPON Protocol over Coax (EPoC)							
SuggestedRemedy				networks, in which P2MP network topology is implemented over a passive or active coaxia							
Recommend a poss	ible remedies:			Reconciliation sublayer as well as coaxial PMDs to support this topology.							
Copy clause 64 to cl	lause 102 and make changes to	clause 102 wit	h change tracking on so	SuggestedRemedy 1) "the EFM" should be "EFM" 2) "in which P2MP network topology" should be "in which a P2MP network topology" 3) "coaxial distribution network (CCDN)" should be "Coax Cable Distribution Network (CCDN)" 4) The use of the word "active" should be "amplified.)							
the reader can clear	ly identify the changes between	clause 102 and	d clause 64. For								
Proposed Response	Response Status W										
PROPOSED REJEC	CT.										
The text was imported	ed per motion #8 in Orlando: "A	pprove garavag	lia_3bn_02a_0313 as a								
baseline for EPoC T	DD MPCP, Clause 103" which	passed unanim	ously.	ACCEPT IN PRINCIPLE. 1) "the EFM" should be "EFM"							
However, the Editor	the initial TF review	6 and CI 102 fo	or reviewer's								
Changed Comment	Type from null to T										
CI 56 SC 56 1	P	/ 27	# 1057	2) "in which P2N	MP netv	vork topology" should be "in v	which a P2MP ne	etwork topology"			
Mallette, Edwin	, Bright House	Network	# 1057	<ol> <li>"coaxial distribution network (CCDN)" should be "coax cable distribution network (CCDN)"</li> </ol>							
Commont Tuno T	Commont Statuo			4) The use of th	e word	"active" should be "amplified"	".)				
This statement: "An	important observatoriatio of CCM	is that any full	dupley links are								
supported" is no long	ger true with TDD.	is that only full	duplex lifts are								
SuggestedRemedy											

Strike this sentence and then add text that a half duplex mode of operation in TDD-mode is available for EPoC PHYs. After the last sentence in the text you will have to also add the TDD half-duplex mode.

Response

Response Status C

REJECT.

The commenter is invited to suggest text for EPoC that notifies the reader that EPoC uses a time division duplex mode (TDD).

C/ 56 SC 56.1.2 P 17 L # 1059	C/ 56 SC 56.1.2 P17 L 0 # 1074						
Mallette, Edwin Bright House Network	Hajouczenia, Marek ZTE Corporation						
Comment Type ER Comment Status A	Comment Type E Comment Status A						
A couple comments about sub-bullet b:	No lines in Clause 56						
1) because of the insertion of the different upstream and downstream rates, the words in the downstream direction and in the upstream direction need to be stated.	SuggestedRemedy Add lines as required in the draft for proper commenting The same applies to Clause 67						
2) I do not understand why this needs to be stated "shared amongst the population of Coax Network Units (CNUs) attached to the Coax Distribution Network (CCDN)?"	Response Response Status C ACCEPT.						
3) I also thought for TDD operation it was going to require changes to MAC Control							
SuggestedRemedy	Haiduczenia Marek ZTE Corporation						
1) Recommend the following text: with a nominal bit rate of up to XXX Mb/s in the							
<ul> <li>2) Recommend striking the following text: "shared amongst the population of Coax Network Units (CNUs) attached to the Coax Distribution Network (CCDN)"</li> </ul>	in bullet b) added in 56.1.2, we do not need yet again to expand on the very same acronyms, that were already expanded upon in bullet a).						
Response Response Status C	SuggestedRemedy Revise the text in bullet b) to read as follows: EPoC operating in the TDD mode, with a nominal bit rate of up to XXX Mb/sin downstream						
ACCEPT.							
Cl 56         SC 56.1.2         P 17         L         # 1058           Mallette, Edwin         Bright House Network	attached to the CCDN. The P2MP EPoC PHYs use the {EPoC_PMD_Name} PCS, the PMA sublayer, and the mandatory FEC function defined in Clause 101.						
Comment Type ER Comment Status A	Response Response Status C						
A couple comments about sub-bullet a:	ACCEPT IN PRINCIPLE. Revise the text in bullet b) to read as follows: EPoC operating in the TDD mode, with a nominal bit rate of up to XXX Mb/s in the downstream direction and up to XXY Mb/s in the upstream direction. The P2MP EPoC PHYs use the {EPoC_PMD_Name} PCS, the PMA sublayer, and the mandatory FEC function defined in Clause 101.						
1) because of the insertion of the different upstream and downstream rates, the words in the downstream direction and in the upstream direction need to be stated.							
2) I do not understand why this needs to be stated "shared amongst the population of Coax Network Units (CNUs) attached to the Coax Distribution Network (CCDN)?"							
SuggestedRemedy							

1) Recommend the following text: with a nominal bit rate of up to XXX Mb/s in the downstream direction and up to XXY Mb/s in the upstream direction.

2) Recommend striking the following text: "shared amongst the po Units (CNUs) attached to the Coax Distribution Network (CCDN)" vork

Response

Response Status C

ACCEPT.

ed amongst the	population	of Coax	Netwo
Network (CCDN	)"		

Hajduczenia, I	Marek	ZTE (	Corporation						
Comment Typ No lines ir	e <b>E</b> n Clause 56	Comment Status	Α						
SuggestedRemedy Add lines as required in the draft for proper commenting The same applies to Clause 67									
Response ACCEPT.		Response Status	С						
CI 56	SC 56.1.2	P1	7	L <b>0</b>	# 1075				
Hajduczenia, I	Marek	ZTE (	Corporation						
Comment Type E Comment Status A in bullet b) added in 56.1.2, we do not need yet again to expand on the very same acronyms, that were already expanded upon in bullet a).									
SuggestedRei Revise the	SuggestedRemedy Revise the text in bullet b) to read as follows:								

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

C/ 56 SC 56.1.2 Page 5 of 6 9/4/2013 10:09:49 AM

Cl 56	SC 56.1.2.1	P 18	L <b>0</b>	#	1076
Hajduczenia,	Marek	ZTE Corporation			

Comment Type E Comment Status A

No need to expand MPCP in the following text: "The Multipoint MAC Control Protocol (MPCP) for EPoC uses messages, state diagrams, and timers, as defined in Clause 102 to control access to a P2MP CCDN topology."

## SuggestedRemedy

Revise as follows: "The MPCP for EPoC uses messages, state diagrams, and timers, as defined in Clause 102 to control access to a P2MP CCDN topology."

Response Response Status C

ACCEPT.