P802.3ah	Draft	1.3	Comments
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C/ 30 SC 30.11 Matt, Squire	P 45 Hatteras Net	L 18 works	# 99200	<i>CI</i> 59 Diab, Wael	SC 59.8.9 William	P 209 Cisco Syste	L ms	# <u>99108</u>
Comment Type T Suggest new element SuggestedRemedy Add objects to cover: remote MAC address	Comment Status A to cover remote configuratio OAM_configuration, OAM_PI	n. DU_configurati	D1.2 #491	Comment TDP is these F propos TDP m	<i>Type</i> TR the appropriate PMDs and the al presentation ay help bridge	Comment Status A the method for evaluating PME short-term desire to impleme hs), an informative that relate the gap.	Ds. Nonethele ent solutions (a es traditional r	D1.1 #697 ess, given the speed of as expressed in the original neasurement techniques to
Proposed Response ACCEPT IN PRINCIPLE	Response Status W			Suggested Specify and/or	/ an informative the jitter numb	e correlation between the TE ers	OP measurem	ents and the eye mask
Delete sub-clause 30. Delete oRemote from	11.2. Fig 30-3, Fig 30-4.			Proposed ACCEF	Response 'T IN PRINCIPLE	Response Status U		
Add attributes for sug	gested remedy in 30.11.1.			Needs	more work by	the ad-hoc.		
Editor will elaborate. <i>Cl</i> 58 <i>SC</i> 58.9.9 Diab, Wael William	P 190 Cisco System	L	# <u>99107</u>	Jitter n for BX Also, a (and th	umbers remair). dd "High proba nerefore at TP2	n for 1000BASEEXand BX as ability jitter at TP2 is constrair 2 also) is constrained by the	s informaytive ned by the eye error detecto	e (with the exception of TP2 e mask. Total jitter at TP3 r timing offsets."
TDP is the appropriate these PMDs and the s proposal presentation TDP may help bridge t SuggestedRemedy Specify an informative and/or the jitter numbe Proposed Response ACCEPT IN PRINCIPLE Needs more work by t	e method for evaluating PMDs short-term desire to implemen (s), an informative that relates the gap. e correlation between the TDF ers <i>Response Status</i> U the ad-hoc & look at a jitter nu	s. Nonetheless, t solutions (as traditional mea measuremen mbes for TP1/7	given the speed of expressed in the original asurement techniques to as and the eye mask	CI 60 Dawe, Pier Comment 10^-12 be exp (withou underly when i use on Suggested Consid Proposed	SC 60.1.1 S Type TR BER can't rea ensive to test f it the guarante /ing technical r t sees dropped the order of 1 <i>Remedy</i> ler a more tradi <i>Response</i> T.	P 210 Agilent Comment Status R ally be necessary, being one for and remarkably hard to e be in the standard) it will be r reason for demanding very le d packets. 10^-10 or 10^-11 0^-10. tional BER limit for all 100M F Response Status U	L 1 (detected) er xtrapolate rel met cost-effec ow BERs is to seems enoug	# 99048 D1.0 #264 rror in two hours. It would iably, though in practice ctively. I understand the o avoid TCP running slow gh. Other 100Mb/s PHYs
				The PM BER of	/ID STF needs f 10^-12 for all	to discuss the technical and 100Mbps PHYs, especially i	l economical f n terms of tes	easibility for specifying a ting.

14-2-3. Commentor is encouraged to bring a revised proposal.

At the November meeting the commentor asked to postpone till the next cycle

P802.3ah Draft 1	.3 Comments
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C/ 60 SC 60.8	.9	P 238	L	# <u>99109</u>
Diab, Wael William		Cisco Sys	stems	
Comment Type TF TDP is the approp these PMDs and proposal presenta TDP may help brid	Comment S priate method for ex the short-term desin ations), an informat dge the gap.	Status A valuating PI re to impler ive that rela	MDs. Nonetheles nent solutions (a ates traditional m	D1.1 #694 ss, given the speed of is expressed in the original neasurement techniques to
SuggestedRemedy Specify an inform and/or the jitter no	ative correlation be umbers	etween the ⁻	TDP measureme	ents and the eye mask
Proposed Response ACCEPT IN PRINC	Response S IPLE.	Status U		
Needs more work	by the ad-hoc & lo	ok at a jitte	r number for TP	3.
Needs more work Jitter numbers ren & TP3). C/ 60 SC 60.8 Thatcher, Jonathan	by the ad-hoc & lo main for 100BASE	bok at a jitte LX and BX <i>P</i> 239 World Wic	r number for TP as informative (<i>L</i> 6 de Packets	3. with the exception of TP2 # <mark>99110</mark>
Needs more work Jitter numbers ren & TP3). CI 60 SC 60.8 Thatcher, Jonathan Comment Type TF the BER should b Also, in line 1, -30	by the ad-hoc & lo main for 100BASE 	Dok at a jitte LX and BX P 239 World Wic Status A eater than 1	r number for TP as informative (<i>L</i> 6 de Packets 0e-3.	3. with the exception of TP2 # <u>99110</u> D1.1 #861
Needs more work Jitter numbers ren & TP3). C/ 60 SC 60.8 Thatcher, Jonathan Comment Type TF the BER should b Also, in line 1, -3c SuggestedRemedy Change per comm	to by the ad-hoc & lo main for 100BASE 	ook at a jitte LX and BX P 239 World Wid Status A eater than 1	r number for TP as informative (<i>L</i> 6 de Packets 0e-3.	3. with the exception of TP2 # <u>99110</u> D1.1 #861
Needs more work Jitter numbers rer & TP3). C/ 60 SC 60.8 Thatcher, Jonathan Comment Type TF the BER should b Also, in line 1, -30 SuggestedRemedy Change per comm Proposed Response ACCEPT IN PRINC	to by the ad-hoc & lo main for 100BASE 	Dok at a jitte LX and BX P 239 World Wic Status A eater than 1	r number for TP- as informative (<i>L</i> 6 de Packets 0e-3.	3. with the exception of TP2 # <u>99110</u> D1.1 #861

C/ 61	SC 61.2.	3.1.2	P 302	L 29	# 99207
Barrass, H	ugh		Cisco Syster	ns	
Comment	Type TR	Comm	ent Status D		D1.2 #605
It is en furthe	tirely unnace sublayers.	eptable that a	n error is detected	l in one sublayer	and not propagated to
If the F must b carpet	EC detects, e passed up ."	but cannot co owards with th	orrect an error (or nat frame. Detecte	errors) in a fram ed errors must n	ne then an error signal ot be "swept under the
Suggested	Remedy				
Comm	ent #653 ref	erenced in the	e footnote must be	e reconsidered (a	and accepted).
Proposed Stays	<i>Response</i> unresolved.	Respon	se Status U		
C/ 62	SC 62.1.4	4.1.2	P 322	L 54	# 99113
Barrass, H	ugh		Cisco		
Comment	Туре Т	Comm	ent Status D		
Receiv	e error sign	al must be pa	ssed upwards ac	ross the alpha/b	eta interface.
Suggested Add lir	Remedy ie:				
f) Rec whole	eive Forward FEC frame i	d Error Correc n which the e	tion detected but rror is detected (P	not corrected en MA_FEC_uncor	rror, asserted for the rected_error)
Additic	nally, the sig	nal must be a	added to the table	(Table 62.1)	
Proposed UNRE See 6	Response SOLVED CO	<i>Respon</i> MMENT. Refe	se Status W rence comment 65	i3.	

SC 62.1.4.1.2

C/ 62A	SC 62A.3	P 377	L	# 99114

Simon, Scott

Cisco Systems, Inc.

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

The text of the subclause refers to user-defined bandplan and PSD Mask profiles. No constraints are placed on the definition of user-defined bandplans.

SuggestedRemedy

Using appropriate editorial license, create subclause 62A.3.3.4.1 "User-defined bandplan" with the following text:

10PASS-T PHYs shall support user-defined bandplans within the limits described below. User defined bandplans are specified by choosing a set of frequency bands, their transmission direction and their boundaries.

Up to 4 frequency bands may be selected. Frequency band 0 may be selected to transmit in either the upstream or downstream direction. Frequency bands 1 and 3 transmit downstream. Frequency bands 2 and 4 transmit upstream.

The start and end frequencies of each band may be specified in integer multiples (n) of 4KHz, where $n \ge 6$ and $n \le 3000$. The minimum separation between bands is TBD. If a PHY is set with a profile that violates a minimum band separation, then TBD (the PHY ignores the setting, or refuses to link, etc. If band 0 is selected as a downstream band, the band 0 end and band 1 start frequencies may be both set to n = 35, indicating that band 0 and band 1 will operate as a single contiguous downstream band.

Using appropriate editorial license, create subclause 62A.3.3.4.2 "User-defined PSD mask" with the following text:

For each selected frequency band, a user-defined PSD mask may also be specified by selecting a maximum transmit PSD for that band. 10PASS-T PHYs shall support setting the maximum transmit PSD of each band as follows in 0.5dBm/Hz increments. Band 0: TBD (ed note. this max PSD should match the same number from ADSL). Band 1: TBD, Band 2: TBD, Band 3: TBD, Band 4: TBD.

Also, include a table to summarize each of the parameters in a user defined profile and its limits. Example (and only and example!):

Band 0 Activate: 1,0 Band 0 Start: 4-34 Band 0 End: 5-35 Band 0 Max PSD: -40dBm/Hz Band 1 Activate: 1,0 Band 1 Start: 35-3000 Band 1 End: 36-3000 Band 1 Max PSD: -55dBm/Hz etc. etc. etc.

Also, add the following note to the bottom of 62A.3.1

Ed. Note: Comformance testing for 10PASS-T phys should be based on cycling each parameter above and observing the output of the PHY on a spectrum analyzer. The actual procedure and limits for doing so should be described in A62B.

Proposed Response	Response Status	U	
REJECT.			

C/ 64	SC 64	Р	L	# 99000
Diab, Wael W	/illiam	Cisco Systems		
Comment Ty	pe TR	Comment Status A		D1.0

There is no mention on the constraint for the local time stamping. I believe that there is an inherent assumption that the delay throuh the MAC & Phy is relatively constant. This needs to be explicitly stated in the draft.

SuggestedRemedy

Please add a timing constraint for the time stamping mechanism to eliminate any variability through the MAC and Phy. For instance, a min and max time between processing to trnsmition.

SC 64

Proposed Response Response Status U

ACCEPT IN PRINCIPLE.

Transmission/reception delay can not be distinguished from propagation delay. Specification needs to constrain delay variations not necesseraly delay. D1.0 #672

P802.3ah	Draft	1.3	Comments
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			P802.3ah L	Draft 1.3 Comments				
C/ 64 SC 64. I2R, Onfig Team	1.2 P 124 Institute For I	L 53 nfocomm	# <u>99204</u>	Cl 64 SC 64. Bharati, Barnali	.2.6.1.6	P 113 Wipro Techne	L 11 ologies	# 99002
Comment Type T The number of M shared LAN emu SuggestedRemedy	R Comment Status A IAC instances and clients support lation it is 2N+1	ed for P2PE is N	<i>D1.2 #409</i> I+1. However, for	Comment Type 1 In 'PERIODIC TF true'? So that no deregistered.	R Comm RANSMISSION' preport is sent u	nent Status A state should there r untill registration is o	not be a check if v complete or if the	D1.0 variable 'register == e ONU has been
Add another pas	sage or sentence to indicate this.			SuggestedRemedy				
Proposed Response ACCEPT IN PRINC Add paragraph ir	e Response Status U CIPLE. n compatibility considerations desc	cribing use of sh	ared emulation	Proposed Response ACCEPT.	e Respor	nse Status U		
C/ 64 SC 64. I2R, Onfig Team	1.3 P 125 Institute For I	L nfocomm	# <u>99205</u>	D1.0 #188 disco	overy			
Comment Type T From Fig 56-4, w OMP function blo	R Comment Status A re can't see clearly the relationship pck.	o between Mac C	D1.2 #433 Control Client and the					
For example, as Control Client the states(Ma_Contr	is known the Discovery Processin e results(Ma_Control.indication(der rol.indication(in_progress)) of the	ng block needs to nied/accepted)) discovery proce	o indicate the Mac or iss.					
On the other side transmit of the O	e the Mac Control Client generates MP function block.	Ma_Control.req	uest() to control the					
And the OMP.red block.	quest() and OMP.indication() can c	only be used with	in the OMP function					
SuggestedRemedy See the file: rayr	nond_cmts_2_0103.pdf.							
Proposed Response ACCEPT IN PRIN	e Response Status U CIPLE.							

See kramer_cmts_3_0103.pdf for exact solution.

					P802.3an Dra
C/ 64	SC 64.3.6.1.6	P 1	55	L	# 99206
I2R, Onfig	Team	Institu	ite Fo	r Infocomm	
Commen	t Type TR	Comment Status	Α		D1.2 #431
Figur 1. The or res 2. The	e 56-22 ere is only one inst set, the MAC shoul e follow ing timers a	ance, one LLID per d not be destroyed, are set but their time	ONU but r	, therefore w hen a ather become inac are not checked a	an LLID is deregistered ctive. anyw here: IDLE_timer,
grant 3. Wh collis the ne	_window, wait_for hen an ONU does r ion and wait for ne ext discovery gate	_register_msg. tot receive REGISTE ext discovery window hasn't come, ONU v	ERwi w. In vill re	thin max_register_ the present state spond to any delay	w ait, it should assume diagram, as long as /ed REGISTER.

wait_for_register_msg timer is not working.

4. Differences of reregister, Nack and unsupported capability are not show n.

5. When an ONU is asked to reregister at the next discovery window, i.e. Force registration flag is true, it should immediately go back to wait for next discovery gate rather than WAIT state.

SuggestedRemedy

1. For states UNICAST DISCOVERY and DEREGISTER, cancel checking of if(me==Broadcast_ID) and their "false" link to END state.

2. Check timeout(IDLE_timer) before START TX, check timeout(grant_w indow) before STOP TX.

3. Let state ARRIV ING REGISTER follow STOP TX sequentially, rather than returning to REGISTERING. If timer wait_for_register_msg times out before receiving a REGISTER, go back to wait for next discovery window.

4. In A RRIV ING REGISTER, check for the follow ing possibilities separately: Force reregistration, capability not supported, Nack. The responses are shown in dotted box.
5. If ONU is forced reregistration, go to wait for next discovery window.

Please refer to file raymond_cmts_3_0103.pdf. The modified states/paths are highlighted. (raymond_cmts_4_0103.pdf is not highlighted).

Proposed Response Response Status U

ACCEPT IN PRINCIPLE.

Plese separate to multiple commetns in the future.

1. ACCEPT

2. ACCEPT IN PRINCIPAL, no need to check grant_window based on previous comments

- 3. ACCEPT
- 4. ACCEPT
- 5. ACCEPT

C/ 64	SC 64.3.6.1.6	P 156	L 10	# 99203
I2R, Onfig	Team	Institute For Ir	nfocomm	

Comment Status A

Comment Type TR

There is no explicit description about the process of deregister. Neither can we see clearly how the deregister process is done between ONU and OLT from figure 56-23.

SuggestedRemedy

(1) Add explicit text description like following for the deregister process into line 4 of page 146:

For the registered ONU, it can also send REGISTER_REQ (set the corresponding bit in it) message to OLT for deregistering itself. When the OLT receive such REGISTER_REQ it will deregister the associated ONU and send a REGISTER (set the corresponding "flag" field in REGISTER MPCPDU) message to inform this ONU that it has been deregistered. Upon receipt of this REGISTER message, the "registered" variable for this ONU is set to false. So the whole process of deregister is completed. This ONU will try to reregister at the earliest opportunity, once allowed.

(2) Change figure 56-23 in page 156 correspondingly.

Proposed Response Response Status U

ACCEPT IN PRINCIPLE.

Editor will add text to describe deregistration process to 56.3.6 header.

D1.2 #430

C/ 64

				P802.3at
C/ 64	SC 64.3.8.1.6	P 166	L	# 99201
Commo	ig Leam	Institute For In	focomm	D1 2 #422
1. If com redu exec 2. To ever minin 3. Ci 4. In and 5. If 6. Si if (!(ONU is in WAIT state w a ing in and being processe iced. In fact it is not nece cution, as long as the nex o choose the earliest gran y time. If the grant list is mized. hecking w hether a grant SORT state, if the chose then repeat SORT state. the grant list is empty, ON ince only normal grants a discovery) in state PROGI	iting for timeout(IDLE_t ed, START TX may be essary to update grants at grant is not chosen y nt, Gate processing mu in a sorted order, read is valid in state SORT i n grant is outdated, it s NU should enter WAIT to re passed to Gate Proc RAM	imer) w hile G delayed. Ef is immediately ret. ust go throug l/comparison s confusing. should be rer to w ait for ne cessing, it is	Chief and the service of the service
Suggest 1. E upda tran: 2. in inse in th 3. In lase 4. In 5. ff Plea	edRemedy kecute TURN LASER ON, ated while waiting for tim smission sequence. sert_list w ould first comp rt in a time order. The gra- e list. SORT state, check if (loc r_on_time-IDLE_time-las SORT, if the selected gra grant list empty, go to WA elete if (ldiscovery) in sta- use refer to file raymond_	START TX, STOP TX in eout(grant_start). It we have a new grant with the ant list would then be a cal_time < current_gran er_off_time) would be ant is not valid, remove AIT for next incoming g te PROGRAM. cmts_1_0103.pdf.	n a sequentia rould give a d the last grand sorted. The n nt.start+curre sufficient to s a it from grand pate.	al order. Grants can be clearer view of t in list and onw ards and next grant is just the next ent_grant.length- select the next valid grant. t list.
Propose ACC Che Diag 1. cc 2. pr see	ed Response Resp EPT IN PRINCIPLE. ck for discovery flag is re gram is to be split to two s ontrol of grant window rotocol element diagram GATE-protocol.p	oonse Status U dundant and should be sub diagrams: odf and GATE-grant.pd	e removed. If	

SC 64.4.2	
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P 146 L Sumitomo Electric Indu # 99102

Miyoshi, Hidekazu Comment Type **T**

gate D1.1 #634

When ONU reports multiple boundaries for each queue, and OLT and ONU use different scheduling algorithms for selecting transmission packets, ONU may not decide the bandwidth allocation properly as expected by OLT, which can cause policy violation and/or slot assignment loss.

For example, if we assume that (1) ONU sends a report of QH={300,100} and QL={350,150}, (2) OLT chooses 300 for QH and 150 for QL, and (3) OLT grants 450 (300+150=450) to ONU, there would be no way for the ONU to send packets properly: ONU may interpret 450 as 100 from QH and 350 from QL. In addition, OLT never knows its policy was violated: OLT doesn't know the ONU's decision for selecting transmission packets.

A file, miyoshi_p2mp_qgrant.pdf, is attached for discussion.

SuggestedRemedy

Add an optional field indicating grant length per queue as shown below.

Grant bitmap. This is an 8 bit flag register that indicates which queues are represented in this REPORT MPCPDU.

Queue_grant[i]. Length of the signaled grant for priority queue #i, this is an 16 bit unsigned field. The length is counted in 16 bit time increment.

This mechanism works as follows.

1. Scheduler (MAC Control Client) in OLT creates a GATE message with 8 slot lengths, QUEUE_GRANT[0..7], each indicates grant length for a priority queue, and total grant length.

2. ONU receives the GATE. MPCP will read the TOTAL_GRANT and program aggregated slot. MPCP indicates GATE message to MAC Control Client.

3. MAC Control Client makes sure (optionally) that each queue transmits what is specified by QUEUE_GRANT[i].

Proposed Response Response Status W

PROPOSED REJECT.

Mechanisms in MPCP should remain independent of specific DBA algorithms. Vendors may already use PAD/Reserved fields for exchange of proprietary information.

Motion to approve editor's response M: Tom Dineen S: Ariel Maislos Y: 15 N: 8 A: 2

Motion to accept suggested remedy and make appropriate changes to text M: Hideoki Miyoshi S: Glen Kramer

Comment Status D

P802.3ah	Draft	1.3	Comments
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			F 002.3an	Diant 1.5 Commen
Y: 7 N: 15 A: 3				C/ 64 SC
C/ 64 SC 64.4.6	P 176	L 6	# 99202	Bharati, Barnali
I2R, Onfig Team	Institute For In	nfocomm		Comment Type
Comment Type TR	Comment Status R		D1.2 #429	State 'CHECI
The "Success" flag in	this page is not necessary. B	Because for the	simplification of the	might lead to
discovery process, w	hen the ONU's registration is (, the OLI don't need to	SuggestedReme
when the ONU is info	rmed by the REGISTER mess	age that its reg	istration is denied for	
whatever reasons it d	oes not need to send any REC	GISTER_ACK n	nessage to OLT.	Proposed Respo
SuggestedRemedy				ACCEPI. D1 0 #185
Take out the "Success	s" flag field in the REGISTER_A	ACK MPCPDU	and delete the sentence	
of OMP.REQUEST (S 56-22 in page 155 co	orrespondingly.	K,success=fals	se) in line 7-8 of figure	C/ 64 SC Bharati, Barnali
Proposed Response	Response Status U			Comment Type
REJECT.				ONU_timer[S
Success=1 flag inform Success=0 flag inform	ns OLT that registration is com	ul REGISTER.	IU. ONU is NACKing the	SuggestedReme
registration.				On expiry of
CL 64 SC Figure	64-11 P 108	1	# 00006	state.
Bharati, Barnali	Wipro Techno	ologies	<i>"</i> <u>33000</u>	Proposed Respo
Comment Type TR	Comment Status A		D1.0	Comment is
OMP indication REGIS	STER_ACK can arrive in the 'IN	ISIDE REGISTE	R WINDOW' state before	Solution con
timeout of 'register_v	window_size'. This is missing.			the ONU sta
SuggestedRemedy				D1.0 #181 d
Arrival of REGISTER_	ACK in the 'INSIDE REGISTE	R WINDOW' sta	ate, should trigger a state	
Proposed Response	Response Status U			Bharati, Barnali
ACCEPT.				Comment Type
See #181				If OLT ever r
				SA=broadca
				State machin
				OLT can just
				Proposed Respo
				REJECT.
				This is exact
				D1.0 #104

C/ 64	SC Figure 6	64-11	P 108	L	# 99007
Bharati, Barna	ali		Wipro Techn	ologies	
Comment Typ State 'CHI might lead	De TR ECK DESTR d to unneces	<i>Commer</i> JCT ID' can a sary indicati	nt Status A appear before 'IN on.	DICATE DEREG	D1.0 SISTER', otherwise it
SuggestedRe	medy				
Proposed Re ACCEPT. D1.0 #18	sponse 5	Response	e Status U		
C/ 64	SC Figure 6	64-11	P 108	L 25	# 99008
Bharati, Barna	ali		Wipro Techn	ologies	
Comment Typ ONU_time	pe TR er[SA] can ex	<i>Commer</i> pire in the 'IN	nt Status A	R WINDOW' state	D1.0 e.
SuggestedRe On expiry state.	medy of 'ONU_time	er' in state 'IN	ISIDE REGISTEI	R WINDOW', sta	te can change to IDLE
Proposed Re ACCEPT. Comment Solution of the ONU Should co D1.0 #18	sponse is valid. confuses IDL state govere onsider addir 1 discovery	Response E state which ned by the ti ng additional	e Status U ch is an OLT sta mer. state-machine v	te (performing o	discovery or not) with
C/ 64	SC Figure 6	64-11	P 108	L 35	# 99009
Bharati, Barna	ali		Wipro Techn	ologies	
Comment Typ If OLT evo SA=broad state made	be TR er receives a dcast_ID), O chine.	Commer n OMP.indic LT need not	nt Status A ation (subtype=F call END functio	REGISTER_REC	D1.0 Q, destruct_flag=true, d require a reset of the
SuggestedRe OLT can j	<i>medy</i> just ignore th	e indication	and transit to 'ID	LE' state.	
Proposed Re REJECT	sponse	Response	e Status U		
This is ex	actly what ha	ppens in sta	te CHECK DES	FRUCT ID in figu	ure 56-11

C/ 64	SC F	igure 64-8	P 1	00	L 11	# 99010	
Bharati, E	Barnali	.g	Wipro	o Techr	ologies		
Comment In sta force sent the C STA ⁻ Suggeste Could	tt Type ate 'OMP T OLT to g a REGIST DNU. This TE. Not de edRemedy d 'me == b	TR Ca TIMEOUT', th to to ERROR TER_ACK with would result is esirable (I pre- proadcast_ID'	omment Status e condition 'if no state in case on h destroy flag s in timeout of om sume, variable be removed fro	A ot (Mast ily one et. So p_timer 'me' wo	er and me == bro ONU was preser no more messag and OLT would ould have proper condition?	adcast_ID)' woul It and this ONU h es would come fi transit to ERROR MAC address)	D1.0 d nas rom
Proposed ACCE Char Cond disco Unde LLID D1.0	d Respon EPT IN PRI age UCT to dition is re overy. All der pool' state #177 disc	se Re NCIPLE. ransition to T quired as OL other LLIDs a ed layering m ecovery	sponse Status rue, change else T would not ten are currently terr odels, END stat	U e transi minate minateo e would	tion to False it's broadcast-Ilic I. d be replaced wit	l where is perforr h 'return to availa	ms able
C/ 65 Brown B	SC 6 eniamin	5.2.5.2.1	P 1 AMCO	71	L 46	# <u>99105</u>	
Commen It is c imple	<i>t Type</i> customary ementation	T Co to provide a n (Clause 49)	omment Status reference (Clau s scrambler & d	A Ise 3's escram	MAC CRC) or a sbler) when speci	D1 shift register fying a polynomi	l <i>.1 #385</i> al
Suggeste Add a throu	edRemedy an implem Igh and th	/ nentation shif e CRC-8 get	it register figure s generated.	to sho	w how the pream	ıble bits get pass	sed
Propose ACCE	d Respon EPT IN PRI	se Re NCIPLE.	sponse Status	U			
Atten docu	npt to crea ment.	ate a figure b	ased on suzuki_	_2_090	1.pdf, slide 9, ref	erencing an ITU	

C/ 66A Thatcher,	SC 66A.2 Ionathan	P 4 World	6 0 Wide	L 8 e Packets	# 99208
Comment Extend	<i>Type</i> TR led temperatu	Comment Status are support for [100,100	D 0]BA	SE-[LX10,BX10	extended temp D1.2 #678 -U,BX10D] is mandatory.
Tempe specifi	rature range cations be co	must be -40 to +85 deg onsistent with this range	rees e.	C. It is critical th	at our optical
It is no betwe	t clear that th en these clau	is information should be ises.	part	of C59 / C60. T	here appears to be no tie
Suggested Add th Clarify	<i>Remedy</i> ese specifica document st	ations to 64A. ructure and add referer	nces a	as needed.	
Proposed PROPC	Response DSED ACCEPT	Response Status	w		

0. Informatively reference existing international standards as appropriate.

1. Include evironmental temperature range in C64A to be -40C to +85C

2. Include 100BASE-LX10; 100BASE-BX; 1000BASE-BX; 1000BASE-LX10; and 1000BASE-PX10/20

3. Reference each port type (EFM optical PMDs), to make it clear that each extended temperature PMD shall meet this temperature range and the associated optical specifications (e.g. in clauses 58, 59, 60)

Previously agreed to extended temperature range (-40 to 85): 1000BASE-LX 1000BASE-PXU 1000BASE-BXU

Starting text: "An EFM optical PMD that is intended for -40 to 85 degree extended temperature operation shall meet the optical associated optical specifications over this range.

Include evironmental temperature range in C64A to be -40C to +85C. EFM physical layer specifications apply to outside plant operating temperaturesranging between -40 to 85 degrees C."

C/ 66A	SC 66A.2.1	P 45	58	L 7	# 99209
Dawe, Piers		Agilen	ıt		
Comment Typ	pe TR	Comment Status	D		extended temp D1.2 #296

Comment Type TR Comment Status D extended a 802.3 doesn't do temperature specs. They are out of scope.

Note comment # 565 to D1.1.

SuggestedRemedy

Delete 'Explicit requirements for the operating temperature range are given for 1000BASE-LX10.' Change 'Other values' to 'Specific requirements and values'.

If this section is expanded, make the distinction between the temperature of the terminals (could be inside or outside) and of the outside plant (cabling) itself - outside by definition, but temperature range varies by geography.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

To be discussed at the Vancouver meeting