IEEE P802.3as D2.2 Frame format extensions Comments

			-								5				
C/ 01	SC 1.4.xxx	ŀ	⁵ 10	L 37	# 9		C/ 03	SC	3.1		P 15	L 37	# 12		
Dawe, Pi	Jawe, Piers Avago Lechnologies							Dawe, Piers Avago Technologies							
Commen	t Type TR	Comment State	us A				Comment	Туре	ER	Comment	Status A				
This exam enfor	definition of 'basic nple, because 802. rce a not-tagged, n	frame' does not e: 3 doesn't discrimi ot-encapsulated fi	xclude a sh nate betwe rame for M	nort-enough Q-ta en types. There AC Control, OAN	gged frame, for fore we can't use it 1PDUs and so on.	to	There about allow definit	isn't en this nor Layer 2 ion of la	ough info mative so protocol aver 2 in 8	ormation for th entence: 'Duri encapsulation 802.3. and not	e reader to kno ng Ethernet's hi is within the MA ching to indicate	w what, if anythi story, capabilitie C client data fie what the sente	ing, he is meant to do es have been added to eld.'. There's no nce is talking about or		
Suggeste	edRemedy						why th	ne reade	er needs	to be concern	ed.		J		
Unle	ss we change basi pretation. I think we	c frame to be one have to go back	with a Len and fix 43	gth/Type field wi 4 2 2 43 5 3 2 4	th the Length 3B 57.4.2 64.3.6		Suggested	dRemed	ły						
and t	their PICS another	way.		,	02, 01112, 011010		Optior	ns:							
Respons	е	Response Statu	us W				1. Tu	rn it into	a NOTE						
ACC	EPT IN PRINCIPL	E.					2. Tu 3. De	rn it into lete the	a NOTE sentence	and add more e.	e information.				
In all	cases where .3 cla	auses generate fra	ames, the f	rames are define	d explicitly. As a		Response	•		Response	Status W				
resul	t, there is no benef	it to refer to basic	, Q-tagged	or envelope fran	nes.		ACCE	PT IN F	PRINCIPL	LE.					
Fix th	nese clauses as fol	lows:					Leave	as norr	mative bu	ut revise as fol	lows:				
delet delet delet delet delet	e first sentence of e first sentence of e PICS LPS1, FP4 e item d) in 43B.2 e PICS SP3 in 43E	43.4.2.2 43.5.3.2 & FP5 in 43.7 3.6.2.3					Durino protoc As a r	g Ethern col enca esult, th	net's histo psulation nere is no	ory, capabilities as within the M aw more than c	s have been ad AC client data to one type of MAC	ded to allow dat ïeld. C frame.	a link layer (layer 2)		
delet delet	e first sentence of e PICS PDU1 in 5	57.4.2 7.7.3.3													
delet	e first sentence of	64.3.6													
modi	fy second sentence	e of 64.3.6	un in Figur	o 64 20											
i Ne renai	me PICS MP1 in 6	e shall be as SNOV 4 4 4 4	wn in Figur	e 04-30											
MP	CPDU structure - 6	4.3.6 - As shown	in Fig 64-3	0 - M											

C/ 03 SC 3.1

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CI 04	SC 4.2.7.1	P 25	L 14	# 22	C/ 04	SC 4.2.7.	5	P 28	L 3	# 21		
Dawe, Pier	rs	Avago Techn	ologies		Dawe, Pie	ers		Avago Techr	ologies			
Comment	Type TR	Comment Status A			Comment	Type TR	Commen	t Status A				
The se 'MAC i frame	entence at 4.2.9 implementations size.'	p29 line 21: s use maxPermittedFrameSize	You have removed the Initialize procedure, yet it is still referred to in the Pascal on pages 26, 27. More generally, I would like to be reassured that deleting all of 4.2.7.4, 4.2.7.5 and 4.3.2 is OK.									
contra	dicts 4.2.4.2.1:	CD sublaver is not required to	enforce the MA	C frame size limit but it	Suggeste	dRemedy						
is allov 4.4.2).	wed to truncate	MAC frames longer than max	PermittedFrame	Size octets (see	Reconcile. A few sentences in an editor's box, saying where the function of the deleted subclauses has gone, would help get through sponsor ballot.							
and					Response)	Response	Status W				
3.2.7 used.	up to a maxin The maximur	num number specified by the non- m size of the MAC client data t	field is determine	of the standard that is ed by the particular	ACCE	ACCEPT IN PRINCIPLE.						
These was no	changes could ot satisfied with	cause problems for well-beha the response to my TR, no. 8	ived existing MA 1 against D2.1.	Cs, and this is why I	Add a Portic 4.2.8	n editor's note ns of 4.3.2 ha and 4.2.9.	indicating: ve been moved	to 4.2.7.1, 4.2.8	and 4.2.9. 4.2.7	7.4 is a summary of		
Suggested	Remedy											
One co frame- size lir Chang	ould keep maxP -size classes, bu mit the MAC use ge:	PermittedFrameSize as definin ut then we would need anothe es. Or, let maxPermittedFram	Unde Insert Trans	lete 4.2.7.5. : mitStatus & R	eceiveStatus int	to type section i	n 4.2.7.1					
'maxP qTagP 'maxB maxEr	ermittedFrameS PrefixSize) or ma asicFrameSize nvelopeFrameS	Size = maxBasicFrameSize or axEnvelopeFrameSize ; {in oc =; {in octets: at least maxBa ize}'	(maxBasicFram tets}' to: sicFrameSize a	eSize + nd no more than	Move paragraphs before and after TransmitStatus in 4.3.2 into 4.2.8 before the TransmitFrame function.							
and ch 'The re is allov	hange the sente eceiving CSMA/ wed to truncate	nce in 4.2.4.2.1 to: CD sublayer is not required to over-long MAC frames (see 3	enforce the MA .2.7 and 4.4.2).'	C frame size limit, but it	Move Rece	paragraphs b veFrame func	efore and after F tion.	ReceiveStatus ir	1 4.3.2 into 4.2.9	before the		
Response		Response Status W										
ACCE	PT IN PRINCIP	LE.										
It is the frames variab smalle maxPe	e intent of the p s, and to grandfa le for maximum er than envelope ermittedFrameS	roject to encourage new imple ather previous maximum fram frame size allows implementa and not one of the grandfathe ize is left unchanged.	ementations to si e sizes. The su- ations to support ered sizes. As a	upport envelope ggested remedy of a a maximum frame size a result,								
Howe	ver, the text can	be improved in 4.2.9 to clarify	/ this as follows:									
excee Check	dsMaxLength: to determine if	the received MAC frame size	exceeds maxPe	ermittedFrameSize.								

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 U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

MAC implementations use maxPermittedFrameSize to determine if management counts

the frame as too long. It is recommended that new implementations support maxPermittedFrameSize = maxEnvelopeFrameSize.

C/ 04 SC 4.2.7.5 Page 2 of 4 1/10/2006 8:40:42 PM

C/ 04 SC 4.2.9	P 29	L 17	# 23	C/ 04A	SC 4A.3.2	2.1.4	P 44	L 1	# 27		
Dawe, Piers	Avago Techno	ologies		Dawe, Piers	5		Avago Techn	ologies			
Comment Type TR Deleting the over-size whether the frame be	Comment Type ER Comment Status A Figure 4A-1 is still in 7 point. Note D2.1 comment 77. I know this feels like clerical work, and not always relevant to this project, but maintaining such a huge document as 802.3 poode multiple participants and aputhing to do with state diagrams peeds event bandling										
police a network very transport, as early as not desirable, depred	 strictly, I would want to reject as I could detect it. (If you disagr cate it for a while.) 	anything I hadn't ee and think this	contracted to s way of checking is	There is a state diagrams heeds expert handling. Thank you! SuggestedRemedy							
SuggestedRemedy Reinstate, but modifie length/type field (see Response REJECT.	ed to fit the draft: 'either as a co 3.2.6).' <i>Response Status</i> W	onstant or as a fu	unction of the received	Please anythin line key 64-11. And if y two thir these la	change any g in 9 or 10 p / Instances o rou can, figur ngs in 64-12 ast 10 figures	7 point in Fig point: we use of MAC data s res 64-10, 64 ('UCT', ']'). Ma s?	ures 4A-1 and 4A-2 that for tables and service interface' in -11, 64-15, 64-17, f aybe insert an edito	2 to 8 point (I hav text so it can't be figures 64-3, 64 figures 64-20, 21 prial box asking t	ve no objection to e bad). Also the 3- -6, 64-7, 64-8, 64-10, & 22, 64-25, 64-27, he staff editor to do		
The problem is there parsing the entire MA identifies just a 'Q-tay removed. If an implementor ch not prohibited.	is no way to identify a frame as AC client data. For example, an gged' frame with a maximum siz ose to do complex parsing to po	basic, Q-tagge i initial Q-tag typ ze of 1522. That plice a network, t	d or envelope without e no longer uniquely is why this was that implementation is	Response ACCEF Cl 30 Dawe, Piers Comment 1	РТ. SC 30.3.1 s Гуре TR	Respor .1.25 Comm	P 52 Avago Techn eent Status A	L 50 ologies	# [31		
Cl 04A SC 4A Dawe, Piers Comment Type TR Note comments agai SuggestedRemedy See comments agair Response ACCEPT IN PRINCI	P 37 Avago Techno <i>Comment Status</i> A nst Clause 4. nst Clause 4. <i>Response Status</i> W PLE.	L 1 blogies	# 28	Similari outside reject: i wrong. Suggestedi Delete Response ACCEF Delete	ly to my com of the project f this note is Remedy the note alto PT IN PRINC note.	ment against ct. Assuming consistent wi gether. <i>Respor</i> IPLE.	4.2.9, removing the we want MACs to the clauses 4 and 5 the clauses 4 and 5 ase Status W	e option of strict count exactly the it's not necessar	error counting seems e same frames as they ry, and if it isn't, it's		
Apply accepted com	ments against clause 4 to Anne	x 4A		Modify A coun	BEHAVIOR t of MAC frar	sentence: nes received	that exceed maxF	PermittedFrameS	iize.		

C/ 30 SC 30.3.1.1.25 IEEE P802.3as D2.2 Frame format extensions Comments

C/ 31 SC 31.3.2.4 Dawe, Piers	P 61 Avago Techr	L 31 nologies	# 39	<i>Cl</i> 43 Dawe, P	SC 43 ers	.7.15	P 71 Avago Techno	L 20 blogies	# 2		
Comment Type ER This is one of my pet ha unspecified.' If the prim	Comment Status A tes: 'The effect of receipt of itive is in use, anywhere in <i>t</i>	this primitive by the world, then th	the MAC client is e sentence is a lie.	Commer Stra	nt Type	TR nt size	Comment Status R				
SuggestedRemedy				Suggest	edRemedy						
Change to 'The effect of	receipt of this primitive by f	the MAC client is	not specified in this	'LAC	PDU frame	format'.	. 'Shall be basic frame' in 9 point. Similarly in 43.7.23 (twice). <i>Response Status</i> W				
standard. See IEEE Sto references, delete the p	I 802.1?, IETF ??' (or whate rimitive.	ever) If we can't	provide any	Respons	е						
Response	Response Status W			REJ	ECT.						
ACCEPT IN PRINCIPLE	, <u>.</u>			PIC	deleted. S	See com	iment 9				
Change to 'The effect of clause. See list of MAC	receipt of this primitive by t control functions in Annex	the MAC client is 31A.'	not specified in this								
C/ 31B SC 31B.3.2.4	P 68	L 3	# 43								
Dawe, Piers	Avago Techr	nologies									
Comment Type TR Here we have 'The timer MAC Client by the PAUS be used to inhibit transn Control frame, so we ha	Comment Status A r governing the inhibition of SE function.', whereas 31B. hission of MAC Control fram ve a contradiction: are MAC	transmission of I 1 says 'The PAU hes.' A MAC fram C Control frames	MAC frames from a SE operation cannot e might be a MAC paused or not?								
SuggestedRemedy Reconcile.											
Response ACCEPT IN PRINCIPLE	Response Status W										
Change											
- · · · · · · · · · · · · · · · · · · ·											

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