C/ 00 SC	Р	L	# 103	C/ 00 SC 0	Р	L	# 73
NGWER, DARWIN A	Individual			CHAPLIN, CLINT F	Individual		
Comment Type GR	Comment Status X			Comment Type ER	Comment Status X		
the introduction of hte standard	802.11e material introduced s	several inconsis	tencies in the draft		ke by defining the notion of a Some STAs are capable of a		
SuggestedRemedy				those additional capal	pilities. This change unfortuna	tely set a preced	dent for later
resolve the inconsiste	ncies				.0 defined a TSTA and TAP, a edent for future amendments		
Proposed Response	Response Status O			SuggestedRemedy			
	,			,	throughout. Change QAP to	AP throughout.	Change QBSS to BSS
	Р	1	# 135	throughout. Change C	NBSS to IBSS throughout. De ns QAP, QBSS, QIBSS, and Q	lete definitions 3	
STEPHENS, ADRIAN P	Individual	L	# 155	Proposed Response	Response Status O	101A.	
Comment Type E	Comment Status X						
the MSCs are draw wind degrees of informal sy	ntax about what sits at the top	o of a lineline.		ADACHI, DR TOMOKO	Individual		
degrees of informal sy SuggestedRemedy	ntax about what sits at the top w these diagrams and adopt a <i>Response Status</i> O		earance.	Comment Type E	Comment Status X s where "TSDelay" (having no	space betweer	n TS and Delay) is used.
degrees of informal sy SuggestedRemedy Ask the editor to revie	w these diagrams and adopt a Response Status O P		earance. # 1	Comment Type E There are some place SuggestedRemedy	Comment Status X s where "TSDelay" (having no	space betweer	n TS and Delay) is used.
degrees of informal sy SuggestedRemedy Ask the editor to revie Proposed Response Cl 00 SC 0 COORDINATION, EDITO	w these diagrams and adopt a Response Status O P RIAL Comment Status X			Comment Type E There are some place SuggestedRemedy Change "TSDelay" to	Comment Status X s where "TSDelay" (having no "TS Delay".	e space betweer	n TS and Delay) is used # <u>141</u>
degrees of informal sy SuggestedRemedy Ask the editor to revie Proposed Response C/ 00 SC 0 COORDINATION, EDITO Comment Type ER Meets editorial require	w these diagrams and adopt a Response Status O P RIAL Comment Status X			Comment Type E There are some place SuggestedRemedy Change "TSDelay" to Proposed Response CI 00 SC 0 STEPHENS, ADRIAN P Comment Type TR	Comment Status X s where "TSDelay" (having no "TS Delay". Response Status O P Individual Comment Status X	L	# [141
degrees of informal sy SuggestedRemedy Ask the editor to revie Proposed Response Cl 00 SC 0 CORDINATION, EDITO Comment Type ER Meets editorial require SuggestedRemedy	w these diagrams and adopt a <i>Response Status</i> O <i>P</i> RIAL <i>Comment Status</i> X ementsM. Fisher			Comment Type E There are some place SuggestedRemedy Change "TSDelay" to Proposed Response CI 00 SC 0 STEPHENS, ADRIAN P Comment Type TR	Comment Status X s where "TSDelay" (having no "TS Delay". Response Status O P Individual Comment Status X e MIB to support 5MHz operati	L	# [141
degrees of informal sy SuggestedRemedy Ask the editor to revie Proposed Response Cl 00 SC 0 COORDINATION, EDITO Comment Type ER Meets editorial require SuggestedRemedy	w these diagrams and adopt a Response Status O P RIAL Comment Status X			Comment Type E There are some place SuggestedRemedy Change "TSDelay" to Proposed Response CI 00 SC 0 STEPHENS, ADRIAN P Comment Type TR There is nothing in the	Comment Status X s where "TSDelay" (having no "TS Delay". Response Status O P Individual Comment Status X e MIB to support 5MHz operati	L	# [141
degrees of informal sy SuggestedRemedy Ask the editor to revie Proposed Response CI 00 SC 0 COORDINATION, EDITO COORDINATION, EDITO	w these diagrams and adopt a <i>Response Status</i> O <i>P</i> RIAL <i>Comment Status</i> X ementsM. Fisher			Comment Type E There are some place SuggestedRemedy Change "TSDelay" to Proposed Response CI 00 SC 0 STEPHENS, ADRIAN P Comment Type TR There is nothing in the be missing some char SuggestedRemedy	Comment Status X s where "TSDelay" (having no "TS Delay". Response Status O P Individual Comment Status X e MIB to support 5MHz operati	L on, but there is	# [<u>141</u>

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	CI 00	Dage 1 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 00	Page 1 of 35
SORT ORDER: Clause, Subclause, page, line	SC O	5/15/2006 10:09:17 PM

C/ 00 SC 0	P 1	L 14	# 72	C/ 00 SC 0	P 731	L 47	# 53
CHAPLIN, CLINT F	Individual			ECCLESINE, PETER	Individual		
Comment Type E Title of document doe	Comment Status X esn't match PAR			Comment Type TR Optional 5 MHz chanr	Comment Status X nel spacingn parameters not de	efined	
SuggestedRemedy				SuggestedRemedy			
Change to "Local and	I Metropolitan networks"				ith Modulation, Timing and RAT	TE for 5 MHz cha	annel spacing, Status
Proposed Response	Response Status O			referring to OF1.8:M Proposed Response	Response Status O		
CI 00 SC 0 Adachi, dr tomoko	P 613 Individual	L	# [17	CI 00 SC 0	P 732	L 27	# 55
Comment Type E "PHY_TXEND.ind" sh	Comment Status X nould be "PHY_RXEND.ind" in	Figure 260.		ECCLESINE, PETER Comment Type TR	Individual Comment Status X		
	_	0		Optional 5 MHz chanr	nel spacing Channel Bandwidth	not defined	
Fix it.				SuggestedRemedy			
				Insert OF3.11.1 with 5	5 MHz channel spacing, Status	referring to OF1	.8:M
Proposed Response	Response Status O						
Proposed Response	Response Status O			Proposed Response	Response Status 0		
C/ 00 SC 0	Response Status O P 730 Individual	L 43	# 51	C/ 00 SC 0	P 732	L 29	# 56
C/ 00 SC 0 ECCLESINE, PETER	P 730	L 43	# 51	· · ·	,	L 29	
C/ 00 SC 0 ECCLESINE, PETER Comment Type TR	P 730 Individual	L 43	# 51	Cl 00 SC 0 ECCLESINE, PETER Comment Type TR	P 732 Individual Comment Status X	-	
C/ 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chanr	P 730 Individual Comment Status X	L 43	# [<u>51</u>	Cl 00 SC 0 ECCLESINE, PETER Comment Type TR	P 732 Individual	-	
Cl 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chanr SuggestedRemedy	P 730 Individual Comment Status X			C/ 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chanr SuggestedRemedy	P 732 Individual <i>Comment Status</i> X nel spacing Channelizations no	t defined	# <u>56</u>
CI 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chanr SuggestedRemedy	P 730 Individual <i>Comment Status</i> X nel spacing not defined			C/ 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chanr SuggestedRemedy	P 732 Individual Comment Status X	t defined	# 56

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 00	Dogo 2 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 00	Page 2 of 35
SORT ORDER: Clause, Subclause, page, line	SC O	5/15/2006 10:09:17 PM

	May	20	06
--	-----	----	----

CI 00 SC 0 ECCLESINE, PETER	P 733 Individual	L 12	# 57	CI 00 SC 0 ECCLESINE, PETER	P 734 Individual	L 18	# 60
Comment Type TR	Comment Status X nel spacing Interference-limited	areas not define	ed	Comment Type TR	Comment Status X	tion errors missir	ng
SuggestedRemedy Insert new 5 MHz cha and renumber 3.13.x	nnel width after OF3.16.2 and	OF3.16.4, Status	s referring to OF1.8:O,	SuggestedRemedy After OF4.14.8, Inse and its subsections	t new OF4.15 with 5 MHz chan	nel spacing, Sta	tus referring to OF1.8
Proposed Response	Response Status O			Proposed Response	Response Status 0		
	P 733 Individual	L 22	# 58	CI 00 SC 0 ECCLESINE, PETER	P 735 Individual	L 34	# 61
LOOLLOINL, I LILK	Individual			ECCLESINE, FETER	mumuua		
Comment Type TR	Comment Status X nel spacing SlotTime not define	d		Comment Type TR	Comment Status X	I rejection, CCA	sensitivity misssoin
Comment Type TR Optional 5 MHz chanr SuggestedRemedy	Comment Status X		:М	Comment Type TR Optional 5 MHz char SuggestedRemedy	Comment Status X	· ·	
Comment Type TR Optional 5 MHz chanr SuggestedRemedy Insert OF3.19 with 5 M	Comment Status X nel spacing SlotTime not define		:M	Comment Type TR Optional 5 MHz char SuggestedRemedy	Comment Status X anel spacing input level, channe	· ·	
Comment Type TR Optional 5 MHz chann SuggestedRemedy Insert OF3.19 with 5 M Proposed Response	Comment Status X nel spacing SlotTime not define MHz channel spacing, Status re		:M # [<u>59</u>	Comment Type TR Optional 5 MHz char SuggestedRemedy After OF5.10, Insert	Comment Status X anel spacing input level, channe new OF5.11-15 with similar para	· ·	
Comment Type TR Optional 5 MHz chann SuggestedRemedy Insert OF3.19 with 5 M Proposed Response Cl 00 SC 0 ECCLESINE, PETER Comment Type TR	Comment Status X nel spacing SlotTime not define MHz channel spacing, Status re Response Status O P 734	eferring to OF1.8		Comment Type TR Optional 5 MHz char SuggestedRemedy After OF5.10, Insert Proposed Response CI 00 SC 0 ECCLESINE, PETER Comment Type TR	Comment Status X anel spacing input level, channe new OF5.11-15 with similar para Response Status 0 P 736	ameters, Status	referring to OF1.8:M
Comment Type TR Optional 5 MHz chann SuggestedRemedy Insert OF3.19 with 5 M Proposed Response CI 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz chann SuggestedRemedy	Comment Status X hel spacing SlotTime not define MHz channel spacing, Status re Response Status O P 734 Individual Comment Status X hel spacing Power Levels not d vo new with 5 MHz channel space	eferring to OF1.8	# 59	Comment Type TR Optional 5 MHz char SuggestedRemedy After OF5.10, Insert Proposed Response CI 00 SC 0 ECCLESINE, PETER Comment Type TR Optional 5 MHz char SuggestedRemedy	Comment Status X anel spacing input level, channe new OF5.11-15 with similar para Response Status O P 736 Individual Comment Status X	ameters, Status	# 62

TYPE: TR/technical required ER/editorial required GR/general	required T/technical E/editorial G/general	CL 00	Dogo 2 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected F	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/witho	drawn	Page 3 of 35
SORT ORDER: Clause, Subclause, page, line		SC O	5/15/2006 10:09:17 PM

May	2006
-----	------

CI 00 SC 0 ECCLESINE, PETER	P 748 Individual	L 25	# 63	CI 00 SC 0 ECCLESINE, PETER	P 994 Individual	L 29	# 66
Comment Type TR Optional 5 MHz chanr	Comment Status X	age classes mis	ssing	Comment Type E text SYNTAX INTEGE	Comment Status X ER 2562346 should have 300	0 limit	
SuggestedRemedy After RC3, Insert new	RC4 with 5 MHz channel spacir	ng, Status refer	ring to OF1.8:M	SuggestedRemedy Correct			
Proposed Response	Response Status O			Proposed Response	Response Status O		
CI 00 SC 0 Stephens, Adrian P	P 750 Individual	L	# [138	CI 00 SC 0 ECCLESINE, PETER	P 1040 Individual	L 44	# 54
Comment Type E Blank page	Comment Status X			Comment Type E Status deprecated is r	Comment Status X		
SuggestedRemedy Instruct the editor to le the 802.11 community	t his artistic tendancies loose of	n the page and	produce something	SuggestedRemedy Replace deprecated v	vith strikethru current and unde	erlined deprecate	d
Proposed Response	Response Status O			Proposed Response	Response Status O		
CI 00 SC 0	P 993 Individual	L 41	# 65	CI 00 SC 0 ECCLESINE, PETER	P 1155 Individual	L 46	# 52
Comment Type E	Comment Status X R 02347 should have 3000 lin	it		Comment Type E UML is used without f	Comment Status X ull name		
SuggestedRemedy				SuggestedRemedy Spell out Unified Mod	eling Language first		
Correct				Proposed Response	Response Status O		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	CI 00	Page 4 of 35
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 00	Page 4 01 35
SORT ORDER: Clause, Subclause, page, line	SC 0	5/15/2006 10:09:17 PM

C/ 02 SC 2 <i>P L</i> # <u>36</u> O'HARA, ROBERT Individual	C/ 02 SC 2 P L # 34 O'HARA, ROBERT Individual Individual
Comment Type T Comment Status D IETF RFC 3748 referenced by 1N7903 is not an IETF formal standard but only an informative document, so it can't provide a guarantee for the security technology	Comment Type T Comment Status D IETF RFC 1750, which is referenced by 1N7903, is not an IETF formal standard and only an informative document, so it can not provide a guarantee for the security technology.
SuggestedRemedy ISO/IEC JTC1 thanks China's SAC for this comment. RFC 3748 is an informative reference, so should be moved to Annex E. Proposed Response Response Status W PROPOSED ACCEPT.	SuggestedRemedy ISO/IEC JTC1 thanks China's SAC for this comment. RFC 1750 is an informative reference, so should be moved to Annex E. The reference should be updated to RFC 4086 in the process, as RFC 4086 has superceded RFC 1750 since 802.11i was issued Proposed Response Response Status W
C/ 02 SC 2 P L # 35 D'HARA, ROBERT Individual	PROPOSED ACCEPT. Already implemented in D6.0. No further editorial action required.
Comment Type T Comment Status D IETF RFC 2202 referenced by 1N7903 is not an IETF formal standard but only an informative document, so it should not be cited in Clause 2. SuggestedRemedy SuggestedRemedy ISO/IEC JTC1 thanks China's SAC for this comment. RFC 2202 is an informative reference, so should be moved to Annex E.	C/ 02 SC 2 P L # 40 O'HARA, ROBERT Individual Comment Type T Comment Status D There is a mistake when 1N7903 makes reference of IEEE 802.1X. The reference should be the latest formal edition IEEE Std 802.1X"-2004, not the draft IEEE P802.1X"-REV SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT.	ISO/IEC JTC1 thanks China's SAC for this comment. The reference should be to IEEE 802.1X-2004. Make the same change throughout the document
Remedy already implemented in D6.0. No further editorial action required.	Proposed Response Response Status W PROPOSED ACCEPT.
	Alexander invested in DO.O. No further a district entities are included

Already implemnted in D6.0. No further editorial action required.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general		C/ 02	Dogo E of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/uns	nsatisfied Z/withdrawn		Page 5 of 35
SORT ORDER: Clause, Subclause, page, line	;	SC 2	5/15/2006 10:09:17 PM

	May	20	06
--	-----	----	----

FISCHER, MICHAEL A	P 5 Individual	L 22	# 28	C/ 03 SC 3.15 ENGWER, DARWIN A	P 7 Individual	L 13	# 101
standard from Annex superseded by a new SuggestedRemedy	Comment Status X ent 136 was accepted, moving E to Clause 2. However, the sit er (2004) MSC specification at try in clause 2 to refer to "Z.120 Response Status O	ed document, Z. ITU-T.		soon as later in claus SuggestedRemedy	Comment Status D t basic rate set text should not se 3 and at other places in the text and fix the definition at the Response Status W	standard as well.	
C/ 03 SC 3.135 STEPHENS, ADRIAN P Comment Type T "For a non-access po believe this statement	<i>P</i> Individual <i>Comment Status</i> D oint (non-AP) QSTA, there can b t to be both wrong and unneces P assigning overlapping SP to c	sary. It is wrong		parameter" for all ren Delete the definition modfy 11.1.4 by cha sentence to be "Sup information element"	ement of "BSS basic rate set" we maing occurrences of BSS base of "extended rate set" and nging "Rate Set and Extended ported Rates information elem	sic rate set. I Rate Set" at the e ent and Extended	end of the last Supported Rates
SuggestedRemedy Remove the quoted s Proposed Response PROPOSED ACCEP	Response Status W			C/ 03 SC 3.161 STEPHENS, ADRIAN P Comment Type E	P Individual Comment Status X	L	# [109
		L	# 108	"recipien address" SuggestedRemedy			
CI 03 SC 3.149 STEPHENS, ADRIAN P Comment Type E	P Individual Comment Status X sification is beyond the scope of	this amendment		,	nt address". Recommend doin <i>Response Status</i> O	g a spell check of	the whole document.
Cl 03 SC 3.149 STEPHENS, ADRIAN P Comment Type E "However, such class amendment. SuggestedRemedy	Individual Comment Status X		t." - This is not an	replace with "recipie		g a spell check of	the whole document.

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general		Dama C of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 03	Page 6 of 35
SORT ORDER: Clause, Subclause, page, line		SC 3.161	5/15/2006 10:09:17 PM

Comment Type T Comment Sta	<i>L</i> # 105 dividual <i>us</i> D bled access category is correct. It implies that the	Comment Type T Comment Status X The definition of direct link implies that frames may be exchanged through the AP. Actualit is only MSDUs that are exchanged through the AP. SuggestedRemedy Replace with: "direct link: A unidirectional link from one non-access point (non-AP) qual of service (QoS) station (QSTA) to another non-AP QSTA operating in the same infrastructure QoS basic service set (QBSS) that does not pass through a QoS access point (QAP). Once a direct link has been set up, all Data MPDUs sent from the first STA the second STA are transmitted directly." Proposed Response Response Status O
Replace with "Synonym:" roposed Response Response State 0 03 SC 3.36 TEPHENS, ADRIAN P In comment Type T Comment State I'm not sure the definition of delivery-ena AP must use EDCA, while I believe the	P L # <u>105</u> lividual <i>us</i> D bled access category is correct. It implies that th	SuggestedRemedy Replace with: "direct link: A unidirectional link from one non-access point (non-AP) qual of service (QoS) station (QSTA) to another non-AP QSTA operating in the same infrastructure QoS basic service set (QBSS) that does not pass through a QoS access point (QAP). Once a direct link has been set up, all Data MPDUs sent from the first STA the second STA are transmitted directly." Proposed Response Response Status O
I 03 SC 3.36 TEPHENS, ADRIAN P Ir comment Type T Comment State I'm not sure the definition of delivery-ena AP must use EDCA, while I believe the	P L # <u>105</u> lividual <i>us</i> D bled access category is correct. It implies that th	of service (QoS) station (QSTA) to another non-AP QSTA operating in the same infrastructure QoS basic service set (QBSS) that does not pass through a QoS access point (QAP). Once a direct link has been set up, all Data MPDUs sent from the first STA the second STA are transmitted directly." Proposed Response Response Status O
TEPHENS, ADRIAN P Ir omment Type T Comment State I'm not sure the definition of delivery-ena AP must use EDCA, while I believe the	lividual <i>us</i> D bled access category is correct. It implies that th	Proposed Response Response Status O
I'm not sure the definition of delivery-ena AP must use EDCA, while I believe the	bled access category is correct. It implies that the	· · · ·
uggestedRemedy		Comment Type TR Comment Status D
point (QAP) AC where the QAP delivers	ategory (AC): A quality of service (QoS) access traffic from the AC to a non-access point (non-A	P) back to the appropriate guiding term in the normative reference document ISO 7498-1.
· · · ·	ervice period (SP) triggered by the station (STA)." SuggestedRemedy
Proposed Response Response Sta PROPOSED ACCEPT IN PRINCIPLE.	JS W	Change "partitioning" to "segmenting" (and potentially cite the reference to ISO 7498-1 clause 5.8.1.9).
is not accepted. But, the definition does	the definintion. The reasoning of the comment need to be corrected to remove a description of	
the funcitonal behavior from the definition Replace with: "delivery-enabled access point (QAP) AC used for the delivery of (QSTA) in an unscheduled service period	ategory (AC): A quality of service (QoS) access affic to a non-access point (non-AP) QoS statio	Editor to change "partitioning" to "segmenting" and add an appropriate reference to ISO 7498-1. n

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 00	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ U3	Page 7 of 35
SORT ORDER: Clause, Subclause, page, line	SC 3.59	5/15/2006 10:09:17 PM

Bob O'Hara, Cisco Systems

C/ 03 SC 3.94 D'HARA, ROBERT	<i>P</i> Individual	L	# 41	C/ 05 SC 5.4.3.3 STEPHENS, ADRIAN P	P 51 Individual	L 52	# 111
	Comment Status X	description "an F	RSNA"	license holder. Howe	Comment Status D cesary and unwise. It highlights ever I do not believe that the IE	EE should indicat	e whether it believes
uggestedRemedy ISO/IEC JTC1 thanks (same change in the first	China's SAC for this comment at bullet in 8.1	. This should be	"an RSNA". Make the	any part of the Stand legal opinion. There treatment of RSA pr	dard infringes on the IP of any a are many other places where t ivileged.	specific entity. As his could also app	such it is offering a bly, thereby making its
Proposed Response	Response Status O			SuggestedRemedy Remove the footnote	Э.		
27 03 SC 3.98 CHAPLIN, CLINT F	P 12 Individual	L 52	# 75	Proposed Response PROPOSED REJEC	Response Status W		
	Comment Status D 2 Comment 77) PMK is not de nethod. Suggest change. (see		AP method. MSK is		rond the scope of the current ba or consideration in a future revis		
uggestedRemedy		,	the attraction Destand	C/ 05 SC 5.6 CHAPLIN, CLINT F	P 44 Individual	L 50	# 76
(EAP) method."	ved from a key generated by a	an Extensible Au	Inentication Protocol	Comment Type TR	Comment Status D		
Proposed Response PROPOSED ACCEPT	Response Status W			(IEEE 802.11 TGr LI section since there i	B82 Comment 376) This is a re s no PICs for it.	emnant. There sho	ould be no shalls in this
	by" between "from" and "an I	Extensible".		SuggestedRemedy change "shall" to mu	ıst.		
C/ 04 SC 4 CHAPLIN, CLINT F	P 19 Individual	L 26	# 70	Proposed Response PROPOSED REJEC	Response Status W		
Comment Type E	Comment Status X nbination of two acronyms, bo	th defined here			ments are needed to complete se 5 and are moved to clause		ne MAC. They are
"APSD QSTA" is a con				Move clause 5.6 to b	become clause 11.3. Move the	current 11.3 in a	level under the text
"APSD QSTA" is a con SuggestedRemedy Drop this extraneous a	cronym definition			moved from 5.6, bec also under the new 7	coming a new 11.3.1. Also more		

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	CI 05	Page 8 of 35
SORT ORDER: Clause, Subclause, page, line	SC 5.6	5/15/2006 10:09:17 PM

Bob O'Hara, Cisco Systems

06 SC 6.1.1.2	Р	L	# 112	C/ 06	SC 6.1.2	Р	L		# 43	
TEPHENS, ADRIAN P	Individual			O'HARA, F	ROBERT	Individ	ual			
is all changed. Howe correspond to the gur uggestedRemedy	Comment Status X new or changed in this subclau ver there are strikeouts and un tter marking. s from previous version with ur	derlines within t	he section, which do not	a) Con manag could r	ecurity services p ifidentiality; b) A gement. This des not provide secu	Comment Status provided by WEP, TKIF uthentication; and c) A scription is not correct. ire access control for n . This kind of description	P, and CCMP ir ccess control ir Shared Key Au etwork, and WI	to conjunction thentication to P privacy me	with layer based on WEP echanism could	
	us convention through editoria		cour consistentiy, or	Suggested	-					
roposed Response	Response Status O					China's SAC for its cor "We will make this ch				ing
				Proposed	Response	Response Status	w			
06 SC 6.1.2	Р	L	# 42	PROP	OSED ACCEPT	IN PRINCIPLE.				
				Se the	resolution to co	mment #42.				
TKIP, and CCMP me	Comment Status D EEE 802.11 are provided by th chanisms. It is not correct. Sha	ared Key Authen	itication could not	<i>C</i> / 06 ENGWER,	SC 6.2.1.3 DARWIN A	P 6 Individ		5	# 98	
supply secure access	s control for network, and WEP of description is incorrect and	privacy mechai	nism could not protect	Comment	Type TR	Comment Status	D			
uggestedRemedy	s China's SAC for its comments	-	esolving this by deleting	curren	t form. If genera	41 on the previous ba tion of MA-UNITDATA en it should be a .confi	-STATUS.indic			its
roposed Response PROPOSED ACCEP	Response Status W T IN PRINCIPLE.			asynch primitiv	nronous. That is ves, but they are	between correspondin there is a one-to-one r not necessarily synch AP specification may e	napping betwee ronous (e.g. an	en .request ar API impleme	nd .confirm ented to be	
	P" in all occurrences in clause	6.1.2 and correct	ct puntcuation after	Suggested					,-	
deletions.				00	,	A-STATUS.indication	orimitive to MA-	UNITDATA.c	onfirm.	
"The use of WEP for	a separate paragraph after the confidentiality, authentication, suitable for the purposes of this	or access contro	n 6.1.2: ol is deprecated. The	Proposed PROP	Response OSED ACCEPT	Response Status	W			
Also, in 3.167 (WEP	definition), replace "optional" w	vith "deprecated"	'.	Editor	to change all oc	currences in the draft.				
	red ER/editorial required GR/						C/ 06		Page 9 of 3	5
OMMENT STATUS: D/ ORT ORDER: Clause	dispatched A/accepted R/reje , Subclause, page, line	cted RESPO	NSE STATUS: O/open W/w	ritten C/closed	d U/unsatisfied	Z/withdrawn	SC 6.2.1.3		5/15/2006	

Bob O'Hara, Cisco Systems

CI 06		5.2.1.3.2	P 62	L 29	# 19	C/ 07		7.1.3.1.2	P 67	L	# 2
ISCHER,	MICHA	EL A	Individual			ADACHI,	DR TO	МОКО	Individual		
comment		GR	Comment Status D			Commen	nt Type	E	Comment Status X		
that ar	n MA-UN	VITDATA-S	nission status values that are STATUS.indication is stated	to be generated	. In 6.2.1.1.4 it states		defined		S subfield. But the same nar	me is used in C	apability Information
			ve, the MAC sublayer entity			Suggeste	edReme	dy			
accord	ding to th	ne request	he requested parameters. A ed parameters is discarded, MA-UNITDATASTATUS.ind	and this action i	is indicated to the LLC		example, se 6.1.1.		e name of B7 to QoS subtyp	e. This is beca	use it is also used in
descrit	bes why	the MAC	was unable to fulfill the requ	est" This pert	ains to transmission	Propose	d Respoi	nse	Response Status 0		
			, (f), (g), (h), (j), and (k) ea						, · · · · · · · · · · · · · · · · · · ·		
			Ifilled according to the reque st can be fulfilled according								
			all MAC specified fields (incl								
			11) passes the properly form								
			ublayer entity or entities (se								
			using an MA-UNITDATA-ST								
			o Successful." This pertains								
			ses where transmission state								
			2.1.1.4 provides for generation r than "Successful" (a) prior								
			is reporting of non-successf								
			ansmit the requested MSDU								
			nly be determined after said								
			ted in the case of the timeou								
			equest primitives making a r								
			enerate an MA-UNITDATA-S								
			" (a). There are NO reference ner clauses of this draft that								
			es (b), (i), (l), or (m); and NC								
			STATUS.indication may be								
	DATA.re			5	<u> </u>						
Suggestea	Remed	y									
reuse	the omit	ted, interv	atus values (b), (i), (l), and (i ening letters. Acceptable al	ternative, at leas	st for the (b) and (i),						
			302-11 (1999) and 802.11-19								
			of transmission status valu								
			lues are not meaningful in th tives are generated."	ie cases that MA							
Proposed		•	Response Status W								
'	'										

PROPOSED ACCEPT.

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

C/ 07 SC 7.1.3.1.2

C/ 07 SC 7.1.3.1.3 P 69 L 6 # 152 ENGWER, DARWIN A Individual	C/ O7 SC 7.1.3.3.3 P L # 113 STEPHENS, ADRIAN P Individual
Comment Type TR Comment Status D After the 802.11e merge the text for the To DS and From DS clauses is more confusing than ever. The text in Table 2 is now also incorrect. DuggestedRemedy	Comment Type E Comment Status X There's an example of "may only" here and 5 others in the document. The normative power of this phrase is ambiguous as it is intended to be a strict prohibition, but it is achieved using "may" language. What is intended is that rather than x may only y, x shall not (not y). The style guide doesn't help us here.
Replace the To DS and From DS bit designations and definitions with a two bit field, the meaning of which is defined by Table 2.	SuggestedRemedy
Delete all the existing text in clauses 7.1.3.1.3 and 7.1.3.1.4 except the sentence that reads "The permitted bit combinations and their meanings are given in Table 2."	In this case repplace with "A wildcard BSSID shall not be used in the BSSID field of a frame except for management frames of subtype probe request", with similar rewording for the other cases.
Correct the descriptions in Table 2 as follows:	Proposed Response Response Status O
To/From: 00: Data frame direct from one STA to another STA within the same IBSS, or a data frame direct from one non-AP QSTA to another non-AP QSTA within the same QBSS, as well as all management and control frames.	CI 07SC 7.1.3.4PL# 114STEPHENS, ADRIAN PIndividualComment TypeTComment StatusD
10: Data frame destined for the DS or being sent by a STA associated with an AP to the Port Access Entity in that AP.	"Sequence control field is not present in control frames." This statement, while true, is not necessary. The other fields don't have a description of which packet types they are present in.
01: Data frame exiting the DS or being sent by the Port Access Entity in an AP.	SuggestedRemedy Remove the quoted sentence here and the matching statement in 7.1.3.4.1.
11: Data frame using the four-address wireless distribution system (WDS) format. This standard does not define procedures for using this combination of field values.	Proposed Response Response Status W
oposed Response Response Status W	PROPOSED REJECT.
PROPOSED ACCEPT IN PRINCIPLE.	It is believed that the statements add clarity to the specification.
Delete clause 7.1.3.1.4 and all the text in 7.1.3.1.3. Retitle 7.1.3.1.3 as "ToDS and FromDS fields".	CI 07 SC 7.1.3.5.1 P L # 115 STEPHENS, ADRIAN P Individual
As the only sentence in this subclause, insert "The meaning of the combinations of values for the ToDS and FromDS fields are shown in Table 2."	Comment Type E Comment Status X Footnote 18 is a statement of the obvious.
Insert the table as described in the suggested remedy.	SuggestedRemedy Remove it.
	Proposed Response Response Status O
YPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/g OMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/w ORT ORDER: Clause, Subclause, page, line	

Bob O'Hara, Cisco Systems

C/ 07 SC 7.1.3.5.7 ADACHI, DR TOMOKO Image: Compare the second s	P 76 Individual	L	# 3	C/ 07 SC 7.2.3.4 CHAPLIN, CLINT F	P 89 Individual	L 36	# 78
Comment Type E There is misspelling in I SuggestedRemedy Correct "Buferred" to "B Proposed Response	U U			limits its use here. SuggestedRemedy	Comment Status X 2 Comment 449) Definition of of QOS Capablity IE in sectior Response Status O		
CI 07 SC 7.2.2 ENGWER, DARWIN A	P 84 Individual	L 84	# 153	<i>CI</i> 07 SC 7.2.3.6 CHAPLIN, CLINT F	P 90 Individual	L 41	# 79
SuggestedRemedy Remove the descriptior	Comment Status D description column is wrong. In column. This incorrect info w nent of the material in Table 2 Response Status W			corresponding to "QoS	Comment Status X 2 Comment 496, 497, 498) T 5 Capability" lacks any text Se ription for the QoS Capability Response Status O	eems that there	is no descriptive text
C/ 07 SC 7.2.3.4 CHAPLIN, CLINT F Comment Type TR	P 89 Individual Comment Status X	L 36	# 77	Troposed Response			

TYPE: TR/technical required ER/editorial required GR/gene	eral required T/technical E/editorial G/general	<u> </u>	Dama 40 at 25
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdraw	vn C/ 07	Page 12 of 35
SORT ORDER: Clause, Subclause, page, line	·	SC 7.2.3.6	5/15/2006 10:09:18 PM

CI 07 SC 7.3.1.1 STEPHENS, ADRIAN P	1 P 103 Individual	L	# 147	<i>CI</i> 07 ECCLESIN	SC 7.3.1.4 IE, PETER	P : Individ		L 35	# 48
Comment Type TR	Comment Status X			Comment	Туре Е	Comment Status	х		
It is reasonable for v only present append normative effect. Wh	of Emily Qi) Table 24 does not endors to define vendor-specific ed to existing management actio at is necessary is a vendor-spec s can be achieved by defining a	signalling, but a on frames - each cific frame that h	at the moment, this is n of which has a has no defined	In the 0 and the Block A	Capability Inform	ation Field, Delayed discussed in numeric three paragraphs ah ot B15.	al order, exe	cept on p98, v	vhere Immediate
	standardised syntax relating to (Suggested					
SuggestedRemedy						Block Ack to after line	ne 52 discus	sion of Delaye	ed Block Ack
as appropriate. It is s	c" in Table 24 and assign it a coo suggested that the OUI follow im d, the remainder of the field being	mediately after	the category field	Proposed I	Response	Response Status	0		
to 7.4 defining vendo normative text consis	or-specific management action d stent with this recommended cha	etails. (Emily Qi	volunteers to provide	CI 07 Stephens	SC 7.3.2 S, ADRIAN P	P Individ	dual	L	# 116
Proposed Response	Response Status O			Comment T Table 2	<i>Type</i> TR 26 contains a TB	Comment Status D	D		
CI 07 SC 7.3.1.1 Adachi, dr tomoko	3 P 104 Individual	L	# 4	Suggested Get a r	2	ANA and insert it her	e.		
Comment Type E The wording in Figur	Comment Status D re 49 is inconsistent with the text			Proposed F PROP	Response OSED ACCEPT.	Response Status	w		
SuggestedRemedy Fix "DLP Timeout Va	alue" to "DLS Timeout Value".				to replace "TBD' t in the correct o	with "127" for the ele	ment ID of t	he Extended	Capabilities IE and
Proposed Response PROPOSED ACCEF	Response Status W			CI 07 ECCLESIN	SC 7.3.2 IE, PETER	P 1 Individ		L 37	# 49
C/ 07 SC 7.3.1.1 Adachi, dr tomoko	Individual	L	# 5		nt ID says TBD,	<i>Comment Status</i> but could say Numbe g a number at final dr	r To Be Sup	plied, and Edi	tor's note could refer
Comment Type E Unify the expression	Comment Status X for "ACK". "Ack" is used in the la	ast paragraph.		Suggested Change	,	with explaination in s	ubsequent E	Editor's Note	
SuggestedRemedy Change "Ack frames	" to "ACK frames".			Proposed I		Response Status	•		
Proposed Response	Response Status O								
TYPE: TR/technical requ	ired ER/editorial required GR/g	eneral required	T/technical E/editorial G/d	eneral					
COMMENT STATUS: D/	dispatched A/accepted R/reject				U/unsatisfied	Z/withdrawn	CI 07		Page 13 of 35

S		h	m	is	si	ი	n
J	u	υ		13	31	υ	

SORT ORDER: Clause, Subclause, page, line

5/15/2006 10:09:18 PM

SC 7.3.2

C/ 07 SC 7.3.2 O'HARA, ROBERT	P 108 Individual	L 37	# 47	CI 07 SC 7.3.2.27 ECCLESINE, PETER	P 127 Individual	L 16	# 50
Comment Type T Replace TBD value	Comment Status X			Comment Type E Comment S Element Identifier says TBD, but could could refer to ANA giving supplying a	status X I say Number To		nd Editor's note
SuggestedRemedy Correct value for the	Extended Capabilities IE needs	to be assigned.		SuggestedRemedy			
Proposed Response	Response Status O			Change TBD to NTBS, with explaination Proposed Response Response S	•	nt Editor's Note	
CI 07 SC 7.3.2.2 STEPHENS, ADRIAN P	P Individual	L	# 136	C/ 07 SC 7.3.2.28	P 137	L 53	# 80
a Japanese quarter-c	Comment Status X g of basic and supported rates locked system is supposed to o rface to discover how to round	liscover the note	in the PLME-	Comment Type TR Comment S (IEEE 802.11 TGr LB82 Comment 57 available via explicit admission control	I) "specifies the in units of 32 u	s/s." As specified	d, this implies that
range column of the L	: "and bits 6 through 0 are set t DATA_RATE row of the table in e, in units of 500Kbps, if neces	10.4.4.2" with: "	and bits 6 through 0	the value must be up to date. It is my u medium time each time the QBSS Loa definition would make these implemen SuggestedRemedy	ad information el tations non-con	lement is adverti npliant?	sed, and so this
Proposed Response	Response Status O			Reword to make it backward compatib transmit an up-to-date value in this fiel	le with existing d.	AP implementati	ons that do not
				Proposed Response Response S	tatus O		
C/ 07 SC 7.3.2.20 STEPHENS, ADRIAN P	P 122 Individual	L 35	# 146				
	Comment Status X of Shlomo Ovadia) The New (nt IE include only valid operating						
	a submission that provides de he number of changes is expe						
Proposed Response	Response Status W						
See the resolution to	comment #85.						
				jeneral ritten C/closed U/unsatisfied Z/withdrawn	CI 07 SC 7.3.:	2.28	Page 14 of 35 5/15/2006 10:09:18

CI 07 SC 7.3.2.2 ADACHI, DR TOMOKO	9 P 138 Individual	L	# 6	C/ 07 SC 7.3.2.3 MYLES, ANDREW F	30 P 140 Individual	L	# 94
but you cannot distir	Comment Status X EDCA TXOP Limit is announc guish the EDCA TXOP Limit va IY or for clause 17 and 19 PHY	alues set in the l		Comment Type GR TSID is identified in the TSID SuggestedRemedy	Comment Status X Figure 101, but references claus	se 7.1.3.5.1 wh	ich defines the TID, not
SuggestedRemedy					fields to eliminate the confusion		
Set element. Name i last 2 bits to indicate	lowings There is a reserved t as EDCA Classification Field the PHY, which can be named se bits as 00: Extended Rate/C	(or whatever ap as PHY Type s	propriate) and use the ubfield. PHY types are	Proposed Response	Response Status O		
PHYs 11: Reserved	 Unused 6 bits are reserved. will be used for OFDM. If the B 	- If the Beacor	is sent in OFDM,	C/ 07 SC 7.3.2. ADACHI, DR TOMOKO		L	# 7
Proposed Response	Response Status O			Comment Type E In Figure 101, 15 sł	Comment Status X nould be B15.		
CI 07 SC 7.3.2.3		L	# 97	SuggestedRemedy Fix "15" to "B15" in	Figure 101.		
SOOMRO, AMJAD A	Individual Comment Status X			Proposed Response	Response Status O		
Comment Type TR Comment Status X Applications such as video or voice are quite tolerant to frame loss conditions and while medical wireless applications are very loss sensitive, though their TSPEC would appear to be similar to voice TSPEC. In order to serve these diverse streams QAP needs to know drop sensitivity of the stream to adjust its scheduling. In order to ensure interoperability and better expression of traffic stream requirements, acceptable frame loss rate for the traffic stream needs to be communicated between HC and a QSTA. SuggestedRemedy Add the acceptable error frame loss parameter in TSPEC field Proposed Response Response Status O			are not consistent. when the access po contention-based cl the QAP with the Al both set to 1." On		der to use a sol s or for a AC wh shall send an A he TS Info field), it is said as "\	heduled SP for a TS nen the access policy is ADDTS Request frame to in the TSPEC element When the Access Policy	
				SuggestedRemedy Change the descrip with that in clause 1	tion of setting the Schedule subf 1.2.1.4.	ield in clause 7	.3.2.20 to be consistent
				Proposed Response	Response Status O		

TYPE: TR/technical required ER/editorial required GR/gen	eral required T/technical E/editorial G/general	0/ 07	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 07	Page 15 of 35
SORT ORDER: Clause, Subclause, page, line	·	SC 7.3.2.30	5/15/2006 10:09:18 PM

11/1ay 2000	May	2006
-------------	-----	------

CI 07 SC 7.3.2.30 ADACHI, DR TOMOKO	P 143 Individual	L 4	# 8	C/ 08 SC 8.1.1.4 P L # 33 O'HARA, ROBERT Individual
Comment Type E The SP in the senten clarified.	Comment Status X ce "The Service Start Time field	d in 4 octets and	&" should be more	Comment Type T Comment Status D The immaturity of STAKey protocol in 1N7903 makes it difficult to be implemented becaus of no rules which should be obeyed, then induces the problems of interoperability.
SuggestedRemedy Change the sentence Proposed Response	to "& when the *first scheduled Response Status O	d* SP starts."		SuggestedRemedy ISO/IEC JTC1 thanks China's SAC for this comment. This omission can be rectified through normal processes. At least one proposal is being submitted via another commenter. Adiption of any such comment will resolve this comment
<i>CI</i> 07 SC 7.3.2.34 ADACHI, DR TOMOKO	P 147 Individual	L	# 9	Proposed Response Response Status W PROPOSED ACCEPT.
-	Comment Status X th field of the Schedule element	nt in Figure 111	is not 14 but 12.	Delete 3.136, 3.137, and 3.138, instead of 3.100, 101, and 102 as described in 05/1258r1 Modify 3.130 as described in 05/1258r1, instead of 3.97.
SuggestedRemedy It should be corrected Proposed Response	to 12. Response Status O			Adopt 05/1258r1 for the remainder of the changes described there.
CI 07 SC 7.3.2.9 STEPHENS, ADRIAN P	<i>P</i> Individual	L	# [117	
Comment Type E The layout of figure 6	Comment Status X 4 is not consistent with other el	ement diagrams	5	
SuggestedRemedy Redraw using the sar	ne conventions.			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	<u> </u>	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 08	Page 16 of 35
SORT ORDER: Clause, Subclause, page, line	SC 8.1.1.4	5/15/2006 10:09:18 PM

C/ 08 SC 8.1.1.4 P L # 32 D'HARA, ROBERT Individual	C/ 08 SC 8.3.2.3.1 P L # 120
<i>Comment Type</i> T <i>Comment Status</i> D The STAKey protocol in 1N7903 is not mature. The text describes the process only wher STAKey is successful, but not tell what to do if protocol is not finished successfully because of high packet loss ratio; for example, if the state machines of the initiator and th peer fail to be synchronized, how to notify the peer delete the STAKey just installed isn't specified."	Comment Type TR Comment Status X The deletion of "The priority Use." leaves the priority field undefined.
uggestedRemedy ISO/IEC JTC1 thanks China's SAC for this comment. This omission can be rectified through normal processes. At least one proposal is being submitted via another commenter. Adiption of any such comment will resolve this comment	C/ 08 SC 8.3.2.3.1 P L # 119 STEPHENS, ADRIAN P Individual
roposed Response Response Status W PROPOSED ACCEPT.	Comment Type E Comment Status X "figure 125 depicts informatively different". I don't know what an informatively different thing is. And the word "depicts" is unnecessarily obscure. Awkward.
Delete 3.136, 3.137, and 3.138, instead of 3.100, 101, and 102 as described in 05/1258r Modify 3.130 as described in 05/1258r1, instead of 3.97. Adopt 05/1258r1 for the remainder of the changes described there.	SuggestedRemedy Replace with "Informative Figure 125 shows different&" Proposed Response Response Status O
Ø SC 8.2.1.2 P L # 118 TEPHENS, ADRIAN P Individual	C/ 08 SC 8.3.2.6 P L # 121 STEPHENS, ADRIAN P Individual
Comment Type E Comment Status X Footnote 25 is no longer relevant SuggestedRemedy Remove it. Proposed Response Response Status O	Comment Type E Comment Status X "Block Ack reordering & detection". This is slightly misleading as it is not block acks that are being reordered, but MSDUs. Same comment in 8.3.3.4.3 SuggestedRemedy Replace with: For MSDUs sent using the Block Ack feature, reordering of received MSDUs according to the Block Ack receiver operation (described in 9.10.4) is performed prior to

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general	CL 00	Dage 17 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 08	Page 17 of 35
SORT ORDER: Clause, Subclause, page, line		SC 8.3.2.6	5/15/2006 10:09:18 PM

C/ 08 SC 8.4.1.1.4 O'HARA, ROBERT	<i>P</i> Individual	L	# 31	CI 08 SC 8.4.10 CHAPLIN, CLINT F	P 201 Individual	L 52	# 82
Comment Type T Comment S The STAKey protocol in the amendme failure case. When STAKey is establis successfully notify STAKey to the initia STAKey just installed is not defined.	ent is incomplete l hed between two	STAs in BSS, i	if AP doesn't	proper names. SuggestedRemedy	Comment Status X 2 Comment 836) "disassociati	on or deauthenti	ication" These are
SuggestedRemedy ISO/IEC JTC1 thanks China's SAC for through normal processes. At least on commenter. Adiption of any such com	e proposal is beir	ng submitted via		"Disassociate or Deau Proposed Response	Response Status O		
Proposed Response Response Si PROPOSED ACCEPT.		this comment		C/ 08 SC 8.4.10 CHAPLIN, CLINT F	P 201 Individual	L 52	# 83
Delete 3.136, 3.137, and 3.138, instea Modify 3.130 as described in 05/1258r			cribed in 05/1258r1.	Comment Type TR (IEEE 802.11 TGr LB8 does some mean?	Comment Status X 2 Comment 837) "⁢ will dele	te some security	association." What
Adopt 05/1258r1 for the remainder of t				SuggestedRemedy Clarify which security	associations it will delete.		
Adopt 05/1258r1 for the remainder of t			# 81	,	associations it will delete. Response Status O		
Adopt 05/1258r1 for the remainder of t 08 SC 8.4.10 HAPLIN, CLINT F Comment Type E Comment S (IEEE 802.11 TGr LB82 Comment 835	the changes desc <i>P</i> 201 Individual Status X	cribed there.		Clarify which security		L 54	# 84
Adopt 05/1258r1 for the remainder of t 08 SC 8.4.10 HAPLIN, CLINT F Comment Type E Comment S (IEEE 802.11 TGr LB82 Comment 835 names in the standard	the changes desc <i>P</i> 201 Individual Status X	cribed there.		Clarify which security Proposed Response CI 08 SC 8.4.10 CHAPLIN, CLINT F Comment Type TR	Response Status O		
Adopt 05/1258r1 for the remainder of t C/ 08 SC 8.4.10 CHAPLIN, CLINT F Comment Type E Comment S (IEEE 802.11 TGr LB82 Comment 835 names in the standard SuggestedRemedy	the changes desc <i>P</i> 201 Individual Status X 5) "association or	cribed there.		Clarify which security a Proposed Response Cl 08 SC 8.4.10 CHAPLIN, CLINT F Comment Type TR (IEEE 802.11 TGr LB8 does some mean? SuggestedRemedy	Response Status O P 201 Individual Comment Status X		

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general		Dage 19 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 08	Page 18 of 35
SORT ORDER: Clause, Subclause, page, line		SC 8.4.10	5/15/2006 10:09:18 PM

C/ 08 SC 8.5.2 STEPHENS, ADRIAN P	P 207 Individual	L	# 122	<i>C</i> / 08 O'HARA,	SC 8.5.5	<i>P</i> Individual	L	# 37
Comment Type E	Comment Status X			Comment	Туре Т	Comment Status D		
"When priority proces "highest priority" is inf	sing&" The term "priority proce ormal.	essing" is not de	efined, and the term			n procedure of STAKey in Fig peer STA will install the STA		
SuggestedRemedy	A should send EAPOL-Key fra	mes using AC	VO "	the in	itiator STA, the	peer STA should delete the r es the peer STA to delete ke	newly installed ke	
•		mes using AC_	_v0.	Suggeste	dRemedy			
Proposed Response	Response Status 0			throug	gh normal proce	China's SAC for this comme sses. At least one proposal i of any such comment will res	is being submitted	d via another
C/ 08 SC 8.5.5	Р	L	# 38	Proposed	Response	Response Status W		
O'HARA, ROBERT	Individual			PROF	POSED ACCEP	T.		
Comment Type T	Comment Status D							
suite selected by the	rotocol is incomplete. When the initiator STA, there is no problem	em in STAKey	handshake. But when	Delete	e 3.136, 3.137, a	and 3.138, instead of 3.100,	101, and 102 as o	described in 05/1258r1.
the Peer STA can not is not defined in 1N79	support the cipher suite selection of the selection of th	ted by the Initia	ator STA, how to process	Modif	y 3.130 as desc	ribed in 05/1258r1, instead c	of 3.97.	
SuggestedRemedy				Adop	t 05/1258r1 for t	he remainder of the changes	described there.	
through normal proce	China's SAC for this commen sses. At least one proposal is of any such comment will resc	being submitte	d via another					
Proposed Response	Response Status W							
PROPOSED ACCEP	г.							
Delete 3.136, 3.137, a	and 3.138, instead of 3.100, 10)1, and 102 as	described in 05/1258r1.					
Modify 3.130 as desc	ribed in 05/1258r1, instead of	3.97.						
Adopt 05/1258r1 for t	he remainder of the changes of	lescribed there						

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 00	Dama 40 af 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 08	Page 19 of 35
SORT ORDER: Clause, Subclause, page, line	SC 8.5.5	5/15/2006 10:09:18 PM

C/ 08 SC 8.5.5 P 271 L 25 # 104 STEPHENS, ADRIAN P Individual Inditininitity individual Inditity indivi	C/ 09 SC 9.1.6 F STEPHENS, ADRIAN P Indi	vidual	# 123
Comment Type TR Comment Status D (From Suman Sharma) STAKey handshake defined as part of standard is incomplete. Two flaws a) Security flaw & b) Definition flaw in this handshake has been identified as part of document 11-05-1058-00-000w-stakey-design-flaws.ppt.	Comment Type T Comment Statu "The MAC data service for QSTAs shall in UNITDATA.request service" This is awk	corporate a TID with each M/	
section is not changed in this this revision, the problem arises due to the introduction of the DLS feature which is new in this revision.	SuggestedRemedy Replace with: "In a QSTA, the TID parame TID being specified for each transmitted M		quest results in a
SuggestedRemedy			
Document 11-05-1258-01-000m-normative-text-peerkey-handshake-proposal.doc provides fix to the STAKey flaws. Please use the normative text to fix the STAKey flaws.	Proposed Response Response Statu	80	
Proposed Response Response Status W	C/ 09 SC 9.10.3 F	° 300 L 31	# 126
PROPOSED ACCEPT.	STEPHENS, ADRIAN P Indi	vidual	
Delete 3.136, 3.137, and 3.138, instead of 3.100, 101, and 102 as described in 05/1258r1.	Comment Type T Comment Statu "Split a Block frame across multiple TXOF		
Modify 3.130 as described in 05/1258r1, instead of 3.97.	SuggestedRemedy	C C	
Adopt 05/1258r1 for the remainder of the changes described there.	Replace with: "Split transmission of data M	IPDUs sent under Block Ack	policy across
C/ 08 SC 8.5.5 P 271 L 25 # 149 STEPHENS, ADRIAN P Individual In	multiple TXOPs" Proposed Response Response Statu	s O	
Comment Type TR Comment Status X			
For DLS to use peerkey handshake for creating a secure DLS link, it is necessary to create	C/ 09 SC 9.12 F	P L	# 127
additional operational rules regarding the establishment of unidirectional DLS links in both directions between peers.	STEPHENS, ADRIAN P Indi	vidual	
SuggestedRemedy	Comment Type T Comment Statu		
The rules for establishment of these links, and the conditions under which they are necessary need to be studied. It is hoped to bring a proposal containing normative text in due course.	Frame exchange sequence subclause. T The informal BNF-link notation is proving a the sequences are defined by the notes of later amendments to maintain.	awkward - witness that much	of the semantics of
Proposed Response Response Status O	SuggestedRemedy		
	Replace entire contents of subclause with labelled "BASELINE".	the text in document 11-06-0	359r0 in the section
	Proposed Response Response Statu	s O	
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/g COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/w		CI 09	Page 20 of 35
CONTRENT STATUS. D/dispatched Watchelieu Krejecieu Kesponse Status. O/open Www		SC 0 12	5/15/2006 10:00

awn	C/ 09	Page 20 of 35		
ann	SC 9.12	5/15/2006 10:09:18 PM		

Submission

SORT ORDER: Clause, Subclause, page, line

Bob O'Hara, Cisco Systems

C/ 09 SC 9.2.1 FISCHER, MICHAEL A	P 253 Individual	L 49	# 29	<i>CI</i> 09 SC 9.2.5.4 STEPHENS, ADRIAN P	<i>P</i> Individual	L	# 124
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
	ce to 9.9.2.2.1, which was add			Typo: "N1AV"			
comment 180, there sh discussed.	nould also be a few more refer	rences to clauses	where NAV update is	SuggestedRemedy			
uggestedRemedy				Replace with "NAV"			
NAV, such as: "Additic	aragraph, add a sentence listi nal details regarding NAV usa (NAV distribution), and 9.13 (age and/or update	e appear in 9.2.5.6	Proposed Response	Response Status O		
roposed Response	Response Status O			C/ 09 SC 9.2.5.4 O'HARA, ROBERT	P 260 Individual	L 26	# 45
				Comment Type T	Comment Status X		
1 09 SC 9.2.4	P 256	L 50	# 92		ose where the RA is equal to t	the receviing STA	s MAC address" is
	Individual			ambiguous.			
omment Type TR	Comment Status X			SuggestedRemedy			
<i>comment Type</i> TR "The CW shall be rese	Comment Status X t to aCWmin after every succe			SuggestedRemedy	be "except the NAV shall not	be updated where	e the RA&"
Comment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW	Comment Status X	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy	be "except the NAV shall not Response Status O	be updated where	e the RA&"
Comment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually?	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy Change the clause to	·	be updated where	e the RA&" # <u>46</u>
"The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? SuggestedRemedy	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy Change the clause to Proposed Response	Response Status O		
Comment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? CuggestedRemedy Replace MSDU with M	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy Change the clause to Proposed Response Cl 09 SC 9.2.5.4	Response Status 0		
omment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? uggestedRemedy Replace MSDU with M	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy Change the clause to Proposed Response C/ 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T	Response Status O P 260 Individual Comment Status X use of duration by incoporatic	L 26	# <u>46</u>
omment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? uggestedRemedy Replace MSDU with M roposed Response	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual	DU and MPDU are s a fragment of M	e used interchangably. ISDU. Shouldn't the	SuggestedRemedy Change the clause to Proposed Response Cl 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the	Response Status O P 260 Individual Comment Status X use of duration by incoporatic	L 26	# <u>46</u>
The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? uggestedRemedy Replace MSDU with M roposed Response	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual IPDU in appropriate places. Response Status O	DU and MPDU are s a fragment of M MPDUs since ea	e used interchangably. ISDU. Shouldn't the ach MPDU is ACKed	SuggestedRemedy Change the clause to Proposed Response C/ 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the duration values impera SuggestedRemedy Add after the first sent	Response Status O P 260 Individual Comment Status X use of duration by incoporation ative. ence: "All STAs shall validate	L 26	# 46 alidation of correct
Comment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? SuggestedRemedy Replace MSDU with M Proposed Response COMPARED SC 9.2.5.3 NULES, ANDREW F	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual IPDU in appropriate places. Response Status 0 P 259	DU and MPDU are s a fragment of M MPDUs since ea	e used interchangably. ISDU. Shouldn't the ach MPDU is ACKed	SuggestedRemedy Change the clause to Proposed Response Cl 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the duration values impera SuggestedRemedy Add after the first sent field does not exceed	Response Status O P 260 Individual Comment Status X use of duration by incoporation ative. ence: "All STAs shall validate that permitted by the frame co	L 26 on of 11e make va e that the received onstruction rules of	# 46 alidation of correct value in the Duration of clauses 7.1.4 and
omment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? uggestedRemedy Replace MSDU with M roposed Response / 09 SC 9.2.5.3 YLES, ANDREW F omment Type TR	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual IPDU in appropriate places. Response Status O P 259 Individual	DU and MPDU are s a fragment of M MPDUs since ea	e used interchangably. ISDU. Shouldn't the ach MPDU is ACKed	SuggestedRemedy Change the clause to Proposed Response C/ 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the duration values impera SuggestedRemedy Add after the first sent field does not exceed 7.2. Any value for the	Response Status O P 260 Individual Comment Status X use of duration by incoporation ative. ence: "All STAs shall validate that permitted by the frame co Duration in excess of that allo	L 26 on of 11e make va e that the received onstruction rules o owed shall be igno	# 46 alidation of correct value in the Duration of clauses 7.1.4 and ored for the purposes
omment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? uggestedRemedy Replace MSDU with M roposed Response / 09 SC 9.2.5.3 YLES, ANDREW F omment Type TR MSDU and MPDU are	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual IPDU in appropriate places. Response Status O P 259 Individual Comment Status X	DU and MPDU are s a fragment of M MPDUs since ea	e used interchangably. ISDU. Shouldn't the ach MPDU is ACKed	SuggestedRemedy Change the clause to Proposed Response C/ 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the duration values impera SuggestedRemedy Add after the first sent field does not exceed 7.2. Any value for the of setting the NAV or or	Response Status O P 260 Individual Comment Status X use of duration by incoporation ative. ence: "All STAs shall validate that permitted by the frame co	L 26 on of 11e make va that the received onstruction rules o owed shall be igno or a response fran	# 46 alidation of correct value in the Duration of clauses 7.1.4 and ored for the purposes
Comment Type TR "The CW shall be rese MMPDU," There are On page 276, line #1, retry counters and CW individually? SuggestedRemedy Replace MSDU with M Proposed Response C/ 09 SC 9.2.5.3 MYLES, ANDREW F Comment Type TR MSDU and MPDU are SuggestedRemedy	Comment Status X t to aCWmin after every succe number of places where MSD it clearly states that a MPDU is be associated with individual IPDU in appropriate places. Response Status O P 259 Individual Comment Status X	DU and MPDU are s a fragment of M MPDUs since ea	e used interchangably. ISDU. Shouldn't the ach MPDU is ACKed	SuggestedRemedy Change the clause to Proposed Response C/ 09 SC 9.2.5.4 O'HARA, ROBERT Comment Type T Changes made to the duration values impera SuggestedRemedy Add after the first sent field does not exceed 7.2. Any value for the of setting the NAV or or	Response Status O P 260 Individual Comment Status X use of duration by incoporation ative. ence: "All STAs shall validate that permitted by the frame co Duration in excess of that allo calculating a Duration value for	L 26 on of 11e make va that the received onstruction rules o bwed shall be igno or a response fran	# 46 alidation of correct value in the Duration of clauses 7.1.4 and ored for the purposes

IYPE: IR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	<u> </u>	Dama 04 af 05
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 09	Page 21 of 35
SORT ORDER: Clause, Subclause, page, line	SC 9.2.5.4	5/15/2006 10:09:18 PM
Contronation, Cabolado, Pago, Into		

C/ 09 SC 9.2.5.4 D'HARA, ROBERT	P 260 Individual	L 30	# 44	C/ 09 SC 9.6 P 277 L # 11 ADACHI, DR TOMOKO Individual
<i>Comment Type</i> E "NAV" is misspelled	Comment Status X			Comment Type T Comment Status X Why isn't BA frame said clearly as to be sent with the same rate and *modulation*? This comment was declined by the following: For every single PHY, there is a unique
SuggestedRemedy change "N1AV" to "NA	V"			modulation associated with every rate in any given channel. But 802.11a OFDM and 802.11g DSSS-OFDM both use 6-54 Mbps but in different modulation.
Proposed Response	Response Status O			SuggestedRemedy
C/ 09 SC 9.3.1	P 270	L	# 10	Change the last sentence of the fourth paragraph to "The BlockAck control frame shall be sent at the same rate and modulation class as the BlockAckReq frame if it is sent in response to a BlockAck- Req frame."
DACHI, DR TOMOKO	Individual	-	"	Proposed Response Response Status O
Comment Type E	<i>Comment Status</i> X 169 should be "DCF traffic".			
SuggestedRemedy	Tog should be DCF traine .			C/ 09 SC 9.7 P 279 L 17 # 64 ECCLESINE, PETER Individual Inditit Individual <td< td=""></td<>
Fix it.				Comment Type E Comment Status X
Proposed Response	Response Status O			text refers to 'aMaxMSDUTransmitLifetime' but proper name is dot11MaxTransmitMSDULifetime
C/ 09 SC 9.4 ENGWER, DARWIN A	P 275 Individual	L 46	# 154	SuggestedRemedy Correct
Comment Type ER	Comment Status X			Proposed Response Response Status O
The term "directed" is				
SuggestedRemedy change "directed" to "in				C/ 09 SC 9.9 P L # 125 STEPHENS, ADRIAN P Individual
Proposed Response	Response Status O			Comment Type T Comment Status X
				"This clause describes the QoS enhancements to the MAC functional description. QSTAs may access the channel in a more controlled manner, compared to a non-QSTA, to transmit MPDUs." 1. This is a subclause, not a clause. 2. It only describes some of the QoS enhancements. 3. "more controlled manner" is imprecise.
				SuggestedRemedy
				Remove quoted sentences.
				Proposed Response Response Status O

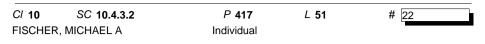
TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general	CI 00	Page 22 of 35
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 09	Fage 22 01 55
SORT ORDER: Clause, Subclause, page, line		SC 9.9	5/15/2006 10:09:18 PM

CHAPLIN, CLINT F	P 285 Individual	L 52	# 71	C/ 10 SC 10.3.28.1.2 P 412 L # 14 ADACHI, DR TOMOKO Individual Individual
Comment Type E singular/plural error SuggestedRemedy	Comment Status X			Comment Type E Comment Status X The description of Schedule parameter is wrong. It should be "Specifies the Schedule Information, service start time, SI and the specification interval."
	more than one frame pending8	."		SuggestedRemedy
Proposed Response	Response Status O			Fix it.
				Proposed Response Response Status O
C/ 09 SC 9.9.2.3 Adachi, dr tomoko	P 293 Individual	L 49	# 12	<i>Cl</i> 10 <i>SC</i> 10.3.28.3.2 <i>P</i> 414 <i>L</i> # 15 ADACHI, DR TOMOKO Individual
Comment Type E	Comment Status X			
"dot11QACKOptionImp SuggestedRemedy Fix it.	lemented" should be "dot11QA	ckOptionImple	mented".	The description of Schedule parameter is wrong. It should be "Specifies the Schedule Information, service start time, SI and the specification interval."
Proposed Response				SuggestedRemedy
Proposed Response	Response Status O			Fix it.
				Proposed Response Response Status O
C/ 09 SC 9.9.3.1.2	P 296	L 7	# 96	
SOOMRO, AMJAD A	Individual			C/ 10 SC 10.3.6.1.2 P 331 L 21 # 13
Comment Type TR	Comment Status X allowance (SBA) field is loosel	defined and it	in alcorly not peopled	ADACHI, DR TOMOKO Individual
to generate conforming	schedules in any scenario. Th	e mandatory pa	arameters are	Comment Type E Comment Status X
	ters required to generate a cor Any other parameter beyond th			Comma is missing.
made mandatory. The	SBA is poorly defined and its us	se in wirless pro	otocols to specify	SuggestedRemedy
interpretations at both t	unique for this draft. The parar ne ends (QAP and QSTA) and er is superfluous in TSPEC.			Add comma after Supported Channels.Proposed ResponseResponse StatusO
SuggestedRemedy				
	nt to make Surplus bandwidth a	allowance mano	datory	
Remove the requireme				

IYPE: IR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	CL 40	Dogo 22 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 10	Page 23 of 35
SORT ORDER: Clause, Subclause, page, line	SC 10.3.6.1.2	5/15/2006 10:09:18 PM
SORT ORDER. Clause, Subclause, page, line		0/10/2000 10.00.101 M

Cl 10 SC 10.3.6.4 P 335 L 18 # 155 ENGWER, DARWIN A Individual Inditindividual Individual	C/ 10 SC 10.4.3.2 P 417 L 14 # 21 FISCHER, MICHAEL A Individual Indititeration Individual
Comment Type TR Comment Status X MLME-ASSOCIATE.response is missing the EDCAParameterSet parameter, which somehow(???) shows up in the corresponding .confirm. Is this information relayed from the AP, or just being echoed locally from the START.request primitive? SuggestedRemedy add the missing parameter Response Status 0	Comment Type TR Comment Status X The PHY characteristics parameter aPHY-RX-START-Delay is absent from the parameter list of the PLME-CHARACTERISTICS.confirm primitive. This is the ONLY ONE of the 20 PHY characteristics parameters that is not present, and there is no reason stated for its omission. Furthermore, in rejecting sponsor comment 280, which called for a definition of this parameter in clause 9, the reason for rejection was that aPHY-RX-START-Delay was defined for each of the individual PHYs. This is true, but then this parameter value is not included in the PLME primitive that provides such parameter values from PHY to MAC. A significant side-effect of this omission is that there is no description of the meaning of aPHY-RX-START-Delay in any clause that is not specific to a single PHY.
CI 10 SC 10.3.7.4 P 342 L 18 # 156 ENGWER, DARWIN A Individual Comment Type TR Comment Status X MLME-REASSOCIATE.response is missing the EDCAParameterSet parameter, which company (222) above up in the company data confirm. In this information relayed from the company of the company of the company.	SuggestedRemedy Add an aPHY-RX-START-Delay parameter to PLME-CHARACTERISTICS.confirm primitive, and define said parameter in the table in clause 10.4.3.2. To keep the ordering the same as the PHY characteristics value tables in the various PHY clauses, the proper place to add this parameter is immediately below aCCATime. An appropriate definition for aPHY-RX-START-Delay is "The delay, in microseconds, from the start of the PHY
somehow(???) shows up in the corresponding .confirm. Is this information relayed from the AP, or just being echoed locally from the START.request primitive? SuggestedRemedy add the missing parameter	preamble on the WM to the issuance of the PHY-RX-START.indicate by the PHY." Proposed Response Response Status O
Proposed Response Response Status O	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 10	D 04 (05
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 10	Page 24 of 35
SORT ORDER: Clause, Subclause, page, line	SC 10.4.3.2	5/15/2006 10:09:18 PM



Comment Type TR Comment Status X

Sponsor ballot comment 258 was rejected, with a statement that aRxPLCPDelay "is a nominal time, not a maximum or minimum time." However, this rejection was inappropriate because the comment concerned neither maxima nor minima but WHICH BIT is being described by this nominal reporting time. The issue is that some PHYs (e.g. OFDM) do not necessarily provide uniform delay for delivering all bits of an incoming frame from PMD to MAC. Proper operation of the MAC is dependent on the RxPLCPDelay which occurs when delivering the LAST bit of the incoming frame, as illustrated in Figure 166. To achieve interoperability, it is vital that the specified delay be suitable for calculating the time reference for the end-of-reception that the MAC uses for generating IFS periods and initiating responses within frame exchange sequences. Therefore, the issue is not maximum/minimum times rather than nominal time, but nominal time for THE LAST BIT rather than nominal time for "a bit" (which implicitly assumes that the nominal delivery delay for all bits of the received frame is equal -- which may not be the case, for example consider the case of a minimum-length, directed data frame at a data rate <12Mb/s). Failing to provide this clarification of WHICH BIT the aRxPLCPDelay refers to could lead to non-interoperable implementations of any PHY with a symbol time that exceeds the 1us time resolution of MAC intervals.

SuggestedRemedy

In the description of aRXPLCPDelay, change "a bit" to "the last bit of a received frame"

Proposed Response Response Status O

C/ 11	SC 11.1.2	P 426	L 42	# 23	
FISCHER	R, MICHAEL A	Individual			

Comment Type TR Comment Status X

Sponsor ballot comment 231 was "accepted in principle" by deleting the final sentence of the sole paragraph in 11.1.2. Far from incorporating the principle of the comment, this resolution totally removes any bounds upon the degree of inter-station synchronization within a BSS. Interoperable operation of the MAC -- AT LEAST the operation of a QBSS -- requires a bound on the magnitude of non-synchronism between the contending stations under EDCA, and/or the pollable QSTAs under HCCA. In the absence of any constraint on TSF synchronization tolerance, there are numerous features of the MAC that are subject to non-interoperable behavior, including, but not limited to, quiet periods, listen intervals, and setting of the NAV by non-AP stations at TBTT.

SuggestedRemedy

Retaining the specification from D5.0 of "4 symbols plus the maximum propagation delay of the PHY" is superior to deleting this sentence without replacement. The preferred way to update/correct the "4us" constraint that appeared in 802.11-1999 (R2003) is "2 symbol periods of the PHY plus 2 microseconds plus aAirPropagationTime."

Proposed Response Response Status **O**

C/ 11	SC 11.10.7.2	P 471	L 37	# 151	
STEPHEN	IS, ADRIAN P	Individual			

Comment Type TR Comment Status X

(Submitted on behalf of Marc Jalfon) This comment relates to comment 65 by Andrew Myles in document IEEE 802.11-06/0095r4 that was rejected by the comment resolution committee. This commenter agrees with Mr Myles comments, and disagrees with their dismissal by the comment resolution committee. The DFS channel changing facilities for IBSS represent a very complex set protocols that have little value in the vast majority of cases and will not work in many circumstances. Moreover, given that european regulatory agencies have relaxed their dfs requirements for IBSS, DFS in IBSS is not needed anymore to fulfill the PAR.

SuggestedRemedy

Delete all text related to selecting a new channel in an IBSS (i.e. the referenced subclause and any references to it). The precise set of changes have been documented in the response to comment 65 in the referenced document.

Proposed Response Response Status O

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 44	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 11	Page 25 of 35
SORT ORDER: Clause, Subclause, page, line	SC 11.10.7.2	5/15/2006 10:09:18 PM

C/ 11 SC 11.2 ENGWER, DARWIN A	P 432 Individual	L 25	# 100	C/ 11 STEPHENS, /	SC 11.2.2 Adrian P	P 440 Individual	L 52	# 129
material there is a req	Comment Status X irom the previous ballot to ensuirement to send new MSDUs			saving int	prohibition a roduces one	Comment Status X against BA and power-saving in new problem - that delivery of the beacon int	frames is delaye	ed by a non-
there.	nall statement to the appropria	ate subclause of 1	1.2 if it is not already	intervals). of a peer ack timeo	There is the s accurate. ut is too shor	also the issue of whether our language and the issue of whether our language and the issue of the angle of the issue of th	knowledge of th s an issue for b natter of local p	e power-saving state lock ack if the block olicy, and we don't
Proposed Response	Response Status O		# 128	saving sta no differei discover i	ite of a peer. Int for BA. A E contention I	ation doing something intelligen Having an inaccurate knowle BA sequence will start with an e has been won (i.e. RTS/CTS), t	dge of the peer' exchange of frar	s power-saving state is nes intended to
STEPHENS, ADRIAN P	Individual	-		asieep wr SuggestedRei	0	ght it was awake.		
Comment Type ER	Comment Status X			00		ting on line 52: "In a QIBSS&".		
	o read bullet h) and understan ords may be a teensy-weensy			Proposed Res	ponse	Response Status O		
SuggestedRemedy								
Restructure using a se bullet h), g) and possil	econd level of list indentation t bly d).	o separate out th	e major topics of	C/ 11 CHAPLIN, CL	SC 11.3.2 INT F	P 444 Individual	L 40	# 69
Proposed Response	Response Status O			Comment Typ	e T	Comment Status X but a needed transition to State	2.	
					ween (a) and	d (b) the following text to match ate variable for the indicated S		
				Proposed Res				

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 11	Dage 26 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 11	Page 26 of 35
SORT ORDER: Clause, Subclause, page, line	SC 11.3.2	5/15/2006 10:09:18 PM

C/ 11 SC 11.4	P 445	L 25	# 67	C/ 11 SC 11.4.4	4 P 4	48 <i>L</i> 4	# 68
CHAPLIN, CLINT F	Individual			CHAPLIN, CLINT F	Individ	lual	
	Comment Status X y a subclause 11.3 (Association modifications to that area of the s			Comment Type E Incorrect cross refe	Comment Status erence	X	
	nto 11.3 (Authentication and Dea Disassociation), that is how it app			SuggestedRemedy	eference from 10.3.11.4.2	2 to 10 3 24 4 2	
new subclauses, nun clauses 11.4 and hig Association/Reassoc	nbered them 11.4 through 11.7, her be moved to to follow. As a r siation/Disassociation subclause	and instructed th esult, the created by 11i i	nat the existing	Proposed Response	Response Status		
SuggestedRemedy	bclause on Authentication/Deaut	neniicalion.		C/ 11 SC 11.4.	5 P 44	49 L	# 132
	es from 11e follow 11.4 (keeping	11.3 Authentica	tion and 11.4	STEPHENS, ADRIAN F	D Individ	lual	
Association clauses a Proposed Response	adjacent). Number the 11e claus Response Status O	es 11.5, 11.6, 1	1.7, and 11.8.	Comment Type E Figure 197 (and 19	Comment Status 8) both have very small ty		
	,			SuggestedRemedy			
C/ 11 SC 11.4.3	P 446	L 43	# 131	Separate into two fi	igures each occupying the	e width of the page.	
STEPHENS, ADRIAN P	Individual	- 10		Proposed Response	Response Status	0	
Comment Type E Figure 195 - the conf diagram hard to inter	Comment Status X fluence of 3 flows to the bottom r pret.	ight of the "susp	end" state makes the				
	opping flows from the pative stat		Noto				
•	apping flows from the active state	e and suspend s	state.				
Proposed Response	Response Status O						
C/ 11 SC 11.4.3 STEPHENS, ADRIAN P	P 446 Individual	L 43	# 130				
Comment Type E Figure 195 - typo "su	Comment Status X spend" should be "suspended"						
SuggestedRemedy Change "suspend" to	o "suspended" in the figure.						
Proposed Response	Response Status 0						
	ired ER/editorial required GR/g					C/ 11	Page 27 of 35
COMMENT STATUS: D/ SORT ORDER: Clause	dispatched A/accepted R/reject e, Subclause, page, line	ed RESPON	SE STATUS: O/open W/w	ritten C/closed U/unsatisf	ied Z/withdrawn	SC 11.4.5	5/15/2006 10:09:1

MYLES, ANDREW F Individual Comment Type TR Comment Status D The text defines association based on transmit power capability However, no use has ever been demonstrated for this feature and few if any implementations provide it for any useful purpose. The text defines adaption of transmit power In the response to a similar comment in the last ballot it was rejected because I had not show it would never be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. Showing there is a current implementation would be compelling. I would also like the TG to show the feature was actually within scope for TGh. SUggestedRemedy Delete all text related to association based on transmit power capability Proposed Response Response Status W PROPOSED REJECT. Fails after motion to accept failed (3,3,1). L # 133 Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. Proposed Response Response Status W ProPOSED REJECT. Fails after motion to accept failed (3,3,1). P L # 133 STEPHENS, ADRIAN P Individual MYLES, ANDREW F Individual Comment Type T Comment Status X Figure 200. Th		Individua						5.1	
The text defines association based on transmit power capability However, no use has ever been demonstrated for this feature and few if any implementations provide it for any useful purpose. In the response to a similar comment in the last ballot it was rejected because I had not shown it would never be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. Showing there is a current implementation would be compelling. I would also like the TG to show the feature was actually within scope for TGh. UggestedRemedy Delete all text related to association based on transmit power capability Proposed Response Response Status W PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. To 11 SC 11.5.1.1 P L # 1133 TEPHENS, ADRIAN P Individual Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or	ment Status D	individue	W F	MYLES, AND			Individual		ANDREW F
However, no use has ever been demonstrated for this feature and few if any implementations provide it for any useful purpose. In the response to a similar comment in the last ballot it was rejected because I had not shown it would never be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. Showing there is a current implementation would be compelling. I would also like the TG to show the feature was actually within scope for TGh. <i>UggestedRemedy</i> Delete all text related to association based on transmit power capability <i>Proposed Response Response Status</i> W PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. <i>I</i> 11 SC 11.5.1.1 P L # 133 TEPHENS, ADRIAN P Individual <i>Comment Type</i> T <i>Comment Status</i> X Figure 200. The box should only be present in an MSC to group elements for a loop or		Comment Status D	TR	Comment Ty			nment Status D	R Co	nt Type T
 implementations provide it for any useful purpose. any, implementations provide it for any useful purpose. In the response to a similar comment in the last ballot it was rejected because I ha shown it would never be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the features is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. I would turn the response around by asking TGma to show that the features is or will be useful. I would turn the response around by asking TGma to show that the features is or will be useful. I would turn the response around by asking TGma to show that the features arbor interested developing useful new features rather than worrying about useless legacy features TGma's response Sta	nsmit power	tion of transmit power	ines adaptio	The text		ability	ased on transmit powe	association	text defines
shown it would never be useful. I would turn the response around by asking TGma to show that the feature is or will be useful. Showing there is a current implemenation would be compelling. I would also like the TG to show the feature was actually within scope for TGh. SuggestedRemedy Delete all text related to association based on transmit power capability Proposed Response Response Status W PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. C/ 11 SC 11.5.1.1 P L # 133 STEPHENS, ADRIAN P Individual Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or					any	iture and fe			
Delete all text related to association based on transmit power capability Proposed Response Response Status PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. C/ 11 SC 11.5.1.1 P L # 133 STEPHENS, ADRIAN P Individual T Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or X While the commenter is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that is not aware of any implementations of this feature, that	I would turn the response around by asking TGma to show	be useful. I would turn the	uld never be	shown it that the f	king TGma to show ation would be	e around by rent implem	l. I would turn the resp eful. Showing there is	ever be use s or will be u	wn it would n the feature is
Delete all text related to association based on transmit power capability Proposed Response Response Status W PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or T Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or X While the commenter is under way in TGv to address this area in a regulation network is area in a regulation network is area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under way in TGv to address this area in a regulation network is under	eature was best deleted by 802.11v and 802.11k. This is	that this feature was bes	suaaested th	It was als					tedRemedy
Toposed Response Response Tesponse Tesponse Tesponse Tesponse Tesponse Tesponse SuggestedRemedy Delete all text related to adaption of transmit power, and allow 11k and 11v to define more appropriate features Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. Delete all text related to adaption of transmit power, and allow 11k and 11v to define more appropriate features V11 SC 11.5.1.1 P L # 133 C/ 11 SC 11.5.1.1 P L # 133 Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or Tesponse Response of any implementations of this feature, that is not aware of any implementations of this area in a regulation network.	ction. However, these groups are more interested in	ourse of action. However,	ossible cou	certainly		wer capabil	ation based on transr	ated to asso	ete all text re
PROPOSED REJECT. Fails after motion to accept failed (3,3,1). Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. C/ 11 SC 11.5.1.1 P L # 133 C/ 11 SC 11.5.1.1 P L # 133 STEPHENS, ADRIAN P Individual # 133 Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or Work is under way in TGv to address this area in a regulation network.							onse Status W	Re	d Response
Fails after motion to accept failed (3,3,1). Delete all text related to adaption of transmit power, and allow 11k and 11v to define more appropriate features. Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. Delete all text related to adaption of transmit power, and allow 11k and 11v to define more appropriate features. V 11 SC 11.5.1.1 P L # 133 STEPHENS, ADRIAN P Individual M Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or Work is under way in TGv to address this area in a regulation network.			•					JECT.)POSED RE
Leaving this in the standard does not harm and there may be implementations of which the commenter is unaware. 2/ 11 SC 11.5.1.1 P L # 133 STEPHENS, ADRIAN P Individual Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or	n of transmit power, and allow 11k and 11v to define new		xt related to	Delete a			ed (3,3,1).	to accept fa	s after motior
commenter is unaware. PROPOSED REJECT. 2/ 11 SC 11.5.1.1 P L # 133 DTEPHENS, ADRIAN P Individual Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or While the commenter is not aware of any implementations of this feature, that is not aware of any implementations of this area in a regulation new	0				tations of which the	y be implem	es not harm and there	e standard o	ving this in th
C/ 11 SC 11.5.1.1 P L # 133 Actually refers to 11.9.4. Individual Actually refers to 11.9.4. Comment Type T Comment Status X Figure 200. The box should only be present in an MSC to group elements for a loop or While the commenter is not aware of any implementations of this feature, that is not aware of any implementations of this area in a regulation network.	onse Status w					-		aware.	menter is un
Comment Type T Comment Status X While the commenter is not aware of any implementations of this feature, that is not aware of any implementations of the second s			INLULOI.		# 133	L	Р	5.1.1	SC 11.
Figure 200. The box should only be present in an MSC to group elements for a loop or that none exist. Work is under way in TGv to address this area in a regulation neutrino to address the area in a regulation neutrino to address the a		.4.	ers to 11.9.4	Actually			Individual	١P	ENS, ADRIA
righte 200. The bex should only be present in an index to group cientents for a loop of							nment Status X	Co	nt Type T
alternate syntactical element. A box without loop or alt in the top left is not syntactically valid Z.120 MSC. fashion. Should that be incorporated into the standard, it is recommended that the regulation-specific text in 11.9 be removed.	rated into the standard, it is recommended that the	be incorporated into the s	ould that be	fashion.				cal element	rnate syntact
SuggestedRemedy									tedRemedy
Remove the enclosing box, or add an appropriate loop designator.						signator.	add an appropriate lo	osing box, c	nove the enc
Proposed Response Response Status O							onse Status O	Re	d Response

TPE. TR/technical required ER/editional required GR/general required T/technical E/editional G/general	CI 11	Page 28 of 35
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn		Fage 20 01 55
	SC 11.5.3	5/15/2006 10:09:18 PM
SORT ORDER: Clause, Subclause, page, line	30 11.3.3	J/1J/2000 10.09.10 FIM

C/ 11 SC 11.6.1 MYLES, ANDREW F	<i>P</i> Individual	L	# 88	C/ 11 MYLES, A	SC 11.6. NDREW F	6	<i>P</i> Individual	L	# 89
	ment Status D			Comment			Comment Status D		
The text defines association ba	sed on supported cr	nannels		The te	xt defines a	comp	lex measurement request an	d response m	echanism.
However, no use has ever been any implmenentations provide			ation to DFS and few if				equired for DFS or TPC purpo given that 11k is currently re		rly not sufficient for the
In the response to a similar cor shown it would never be useful that the feature is or will be use compelling. I would also like the	I would turn the rest	ponse around b a current imple	y asking TGma to show emenation would be	shown	it would neve e feature is o	/er be	ilar comment in the last ballo useful. I would turn the resp be useful. Showing there is a	onse around b	by asking TGma to show
SuggestedRemedy				It was	suggested i	n the	response to a similar comme	nt in the last b	allot that this feature
Delete all test related to associ	ation based on supp	orted channels		was b	est deleted b	y 802	.11k. This is certainly a poss	ible course of	action. However, these
Proposed Response Resp	onse Status W						ted in developing useful new It is TGma's responsibility to		
PROPOSED REJECT.				Suggested	0,				
Actually refers to 11.10.1.				Delete	-		measurement request and re	esponse, and	allow 11k to define more
While the commenter is not aw that none exist. Maintaining the implementations of it.				Proposed PROP	Response OSED ACC	EPT.	Response Status W		
C/ 11 SC 11.6.1 STEPHENS, ADRIAN P	<i>P</i> Individual	L	# 134	Comm	nenter is to p	rovide	e specific editing instructions.		
Comment Type E Com "Other implementations (aside pretty meaningless.	<i>ment Status</i> X from what is describ	ed here) may al	so be supported." this is						
SuggestedRemedy									
Replace the quoted sentence v Layer timer synchronization fea									
Proposed Response Resp	onse Status O								

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 44	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 11	Page 29 of 35
SORT ORDER: Clause, Subclause, page, line	SC 11.6.6	5/15/2006 10:09:18 PM

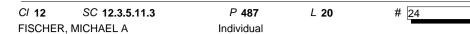
7 11 S	C 11.6.7.2	Р	L	# 85	C/ 11	SC 11	.7	P 456	L 52	# 142
YLES, ANDR	EW F	Individual			STEPHE	IS, ADRIA	ΝP	Individual		
omment Type	TR	Comment Status X			Comment	Туре	ſR	Comment Status D		
have little v	alue in the v	ging facilities for IBSS represe ast majority of cases and will			```			f Shlomo Ovadia) The DLS al or bi-directional; potential		
There is no	know imple	mentation of this feature.			Suggeste	dRemedy				
		me comment in the last ballot It they are justified by a quote						er, STAs with QoS facility (i.e ner QSTA"	., QSTAs) may t	ransmit unidirectional
potential for best effort.	r hidden nod All members	les within an IBSS means that s of an IBSS shall have an inc cular channel in the presence	t the IBSS cha dividual respon	nnel switch protocol is	Proposed	Response)	Response Status O		
This text eff	fectivlev sav	s that the IBSS channel switc	h protocol can	not be relied upon and	C/ 11	SC 11	.7	P 457	L 24	# 143
that individu	ual STAs ne	ed to do radar dedection any			STEPHE	NS, ADRIA	ΝP	Individual		
will have a	similar view.				Comment	Туре	ſR	Comment Status X		
		ry advantage cited in 06/220. col can be achieved without a			```			f Shlomo Ovadia) The DLS DLS link is unidirectional or		ot define if data frame
uggestedRem	ledy				Suggeste	dRemedy				
Delete all te last Sponso		selecting a new channel in a	an IBSS, as sp	ecified in comment in		e line 24 "/ nother nor		QSTA-1, that intends to exc TA,&"	hange unidirectio	onal frames directly
roposed Resp	onse	Response Status O			Proposed	Response	•	Response Status O		
Straw poll: accept: 1 Expand to a Reject: 4	all regulatory	v classes: 6								

If text is available by the end of the week, expand the definition of CSA, otherwise reject the comment.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	0	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 11	Page 30 of 35
SORT ORDER: Clause, Subclause, page, line	SC 11.7	5/15/2006 10:09:18 PM

C/ 11 SC 11.7 P 459 L 41 # 148 STEPHENS, ADRIAN P Individual Inditinininininininininininininininininin	CI 11 SC 11.7.3.1 P 459 L 42 # 144 STEPHENS, ADRIAN P Individual
Comment Type T Comment Status D (Submitted on behalf of Shlomo Ovadia & Jesse Walker) "Acceptable level of security" is not defined. In addition, this violate STA authorization assumption behind DLS protocol. In particular, if AP1 authorizes the DLS link while AP2 does not know about it. SuggestedRemedy Remove second option Proposed Response Response Status W	Comment Type TR Comment Status D (Submitted on behalf of Shlomo Ovadia) The DLS Teardown procedure at QSTA does not define DLS teardown if QSTA is out of the QAP range SuggestedRemedy Presentation IEEE 802.11-06/0242r1 presents a fix to this problem Submission IEEE 802.11-06/0598r0 contains normative text consistent with this presentation. Proposed Response Response Status W
PROPOSED ACCEPT. Replace "If one of the QSTAs roams to a different QAP after a DLS is set up, then there are two possibilities: - There is an implicit teardown (see 11.7.4). - The QSTAs continue to be able to communicate, subject to the acceptable level of	PROPOSED ACCEPT IN PRINCIPLE. Adopt the changes in 06/598r0 with the following exception: Delete: "in some implementation-defined way" from the text inserted in 11.7.3.3.
with "When a QSTA transitions to a differnent QAP after a DLS is set up, the DLS shall be torn down as described in 11.7.4."	Cl 11 SC 11.7.3.2 P 460 L 37 # 145 STEPHENS, ADRIAN P Individual Individual Comment Type TR Comment Status D (Submitted on behalf of Shlomo Ovadia) QAP-initiated DLS teardown procedure is not defined; this is needed when if QAP loses its DLS session state or QSTA left BSS without disassociation
C/ 11 SC 11.7.3 P 460 L 460 # 150 STEPHENS, ADRIAN P Individual Inditinititititititititititititititititit	SuggestedRemedy Presentation IEEE 802.11-06/0242r1 presents a fix to this problem Submission IEEE 802.11-06/0598r0 contains normative text consistent with this presentation.
Comment Type TR Comment Status D (For Shlomo Ovadia) Figure 205 applies only to STA-initiated DLS Teardown procedure	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
SuggestedRemedy Modify figure 205 caption to "QSTA-initiated DLS teardown message flow"	See resolution to comment #144.
Proposed Response Response Status W	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 44	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 11	Page 31 of 35
SORT ORDER: Clause, Subclause, page, line	SC 11.7.3.2	5/15/2006 10:09:18 PM



Comment Type TR Comment Status X

Sponsor ballot comment 250 was rejected because it attempted to introduce normative wording into the definition of an abstract interface. However, the (abstract) behavior that was the subject of the rejected comment is still relevant, because proper operation of the MAC IS dependent on the PHY maintaining physical WM busy (CCA busy) for the duration indicated in a valid PLCP header. The solution is to describe the expected behavior without introducing normative wording.

SuggestedRemedy

Add a statement at the end of the existing text that states: "After generating a PHYRXSTART.indication the PHY is expected to maintain physical medium busy status (not generating PHY-CCA.indication(IDLE)) during the period required by that PHY to transfer a frame of the indicated LENGTH at the indicated DATARATE. This physical medium busy condition should be maintained even if a PHY-RXEND.indication(CarrierLost) or a PHYRXEND.indication(FormatViolation) is generated by the PHY prior to the end of this period."

Proposed Response Response Status O

C/ 12	SC 12.3.5.12.3	P 488	L 28	# 26
FISCHER	R, MICHAEL A	Individual		

Comment Type TR Comment Status X

Sponsor ballot comment 256 was rejected because it attempted to introduce normative wording into the definition of an abstract interface. However, the (abstract) behavior that was the subject of the rejected comment is still relevant, and should be reflected in the text of this clause using non-normative wording.

SuggestedRemedy

Add a sentence immediately after the initial sentence of this clause that states: "In the case of an RXERROR value of "NoError," the MAC uses the PHY-RXEND.Indication as reference for channel access timing, as shown in Figure 166."

Proposed Response Response Status O

C/ 12	SC 12.3.5.12.3	P 488	L 29	# 25
FISCHER	R, MICHAEL A	Individual		

Comment Type TR Comment Status X

Sponsor ballot comment 251 was rejected because it attempted to introduce normative wording into the definition of an abstract interface. However, the (abstract) behavior that was the subject of the rejected comment is still relevant, because proper operation of the MAC IS dependent on the PHY maintaining physical WM busy (CCA busy) for the duration indicated in a valid PLCP header. The solution is to describe the expected behavior without introducing normative wording.

SuggestedRemedy

Add a statement at the end of the existing text that states: "After generating a PHYRXEND.indication with RXERROR value "UnsupportedRate," the PHY is expected to maintain physical medium busy status (not generating a PHY-CCA.indication(IDLE)) during the period required by that PHY to transfer a frame of the length and data rate encoded in the most recently received PLCP header. If the information in an otherwise-valid PLCP header is inadequate for the local PHY to determine the period required for transfer of the frame, the PHY is expected to report RXERROR of "FormatViolation."

Proposed Response Response Status **0**

C/ 12	SC 12.3.5.4.4	P 480	L 24	# 27
FISCHER	R, MICHAEL A	Individual		

Comment Type **GR** Comment Status **D**

Sponsor ballot comment 252 was rejected because it attempted to introduce normative wording into the definition of an abstract interface. However, the (abstract) behavior that was the subject of the rejected comment is still relevant, and should be reflected in the text of this clause without the use of normative wording.

SuggestedRemedy

Add a sentence at the end of this clause that states: "The behavior expected by the MAC pursuant to issuance of PHY-TXSTART.Request is shown in Figure 166."

Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/gene	ral required T/technical E/editorial G/general	01 40	Dama 22 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 12	Page 32 of 35
SORT ORDER: Clause, Subclause, page, line		SC 12.3.5.4.4	5/15/2006 10:09:18 PM

Submission

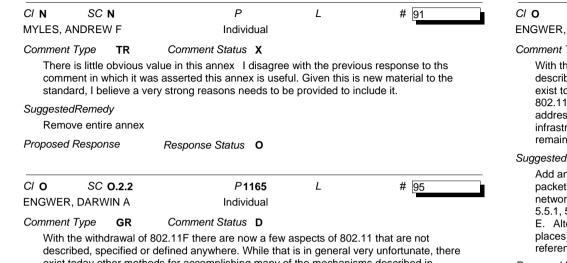
Bob O'Hara, Cisco Systems

C/ 12 SC 12.3.5.7.3 P 483 L 19 # 30 FISCHER, MICHAEL A Individual Individual	C/ 17 SC 17.4.4 P 618 L 11 # 20 FISCHER, MICHAEL A Individual Indititititititititititititititititititit
Comment Type TR Comment Status X The existing statement was appropriate when written, but has been ambiguous since the introduction of PHYs with symbols that encode large numbers of bits. Sponsor ballot comment 254 was rejected, part of this rejection is acceptable to the commenter, but the is one aspect of that comment which remains important. SuggestedRemedy In the existing text, insert "symbol containing the" between "end of the" and "last bit" Proposed Response Response Status O	specified and/or constrained in each of said PHY clauses. This does not appear to be the case for the OFDM PHYs defined in clause 17. The MAC is expecting aPHY-RX-START-Delay to be "The delay from the start of the preamble to the issuance of the RXSTART.indicate by the PHY." (this statement is quoted from Table 117, which is the only accurate statement of the definition of this parameter in the draft, an issue that is addressed in a separate recirculation ballot comment by this commenter) The OFDM PHY receive timing, shown in Figure 260, places (correctly) the occurrence of PHY-RX-
CI 17 SC 17.3.2.3 P L # 137 STEPHENS, ADRIAN P Individual Comment Type T Comment Status X Table 139 rightmost column is wrongly labelled "10MHz" SuggestedRemedy Replace quoted text with "5 MHz".	START.indication at the end of the receipt of the Service field of the "Decoded+descrambled" PLCP header. Because (using numbers for 20MHz channel spacing, but the same issue pertains to each of the narrower channel spacings shown in Table 150) aPreambleLength is 16us, aPLCPHeaderLength is 4us, hence exactly 4us is available after preamble and PLCP header to complete the specified aPHY-RX-START- Delay of 24us. However, this 4us is consumed by reception of the first OFDM symbol of the "DATA" field (the symbol that contains the PLCP "SERVICE" field) which leaves no time for the "Viterbi Decoding Delay" shown in Figure 260, and required in OFDM PHY implementations.
Proposed Response Response Status O	SuggestedRemedy Increase the duration of aPHY-RX-START-Delay in Table 150 to a set of value that are achievable by actual OFDM PHY implementations. If the increase exceeds 2us (for the 20MHz channel spacing column, or proportionally larger values for the other columns, it would be appropriate to include an informative note alerting implementers to the fact that this value is additive within the constraints under which "the requirements of aSIFSTime" and/or "aCCATime" listed elsewhere in Table 150 apply. Proposed Response Response Status 0

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 47	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	C/ 17	Page 33 of 35
SORT ORDER: Clause, Subclause, page, line	SC 17.4.4	5/15/2006 10:09:18 PM

C/ 17 SC 17.5.4.3 STEPHENS, ADRIAN P	P 539 Individual	L	# 140	C/ H SC H.5 O'HARA, ROBERT	<i>P</i> Individual	L	# 39
Comment Type E Table 153 rightmost col SuggestedRemedy Replace quoted text wit	Comment Status X lumn is wrongly labelled "10M th "5 MHz".	Hz"		advice on ways to l correct description	Comment Status X blains the notion of cryptograp narvest suitable randomness." should be "IETF RFC 4086 ex nd provides advice on ways to	Where IETF RFC plains the notion	C 1750 is out of time, the of cryptographic-quality
Proposed Response	Response Status 0			SuggestedRemedy Chang "RFC 1750"	to "RFC 4086". Make the sam	ne change throug	nout the document
C/ C SC Annex C STEPHENS, ADRIAN P	<i>P</i> Individual	L	# <u>139</u>	Proposed Response	Response Status O		
Comment Type T	Comment Status X			C/M SCM	Р	1	# 00
helpful. SuggestedRemedy	es report that it's valid for only		atures, that's not very		Individual Comment Status X ly provides an AP functional do		
helpful. SuggestedRemedy List which features are	es report that it's valid for only and are not supported in the s <i>Response Status</i> O		atures, that's not very	Comment Type TR This annex alleged limited value given implementation rea specification langua	Comment Status X y provides an AP functional de that it is mostly content free an lity. The use of a large numbe age only increases its obscurit	nd almost totally or r of new terms an y. I disagree with	ver, in reality it has very lisconnected from d the semi-formal n the previous response
helpful. SuggestedRemedy List which features are Proposed Response C/ D SC D	and are not supported in the s Response Status O P1035		atures, that's not very # [74	Comment Type TR This annex alleged limited value given implementation rea specification langua to this comment in	Comment Status X y provides an AP functional do that it is mostly content free an lity. The use of a large numbe	nd almost totally o r of new terms an y. I disagree with ex is useful. Give	ver, in reality it has very lisconnected from d the semi-formal n the previous response n this is new material to
helpful. SuggestedRemedy List which features are Proposed Response C/ D SC D CHAPLIN, CLINT F Comment Type E dot11SMTbase3 appea page 1039 line 10), and correctly, in the MANDA	and are not supported in the S Response Status O	SDL. <i>L</i> 3 S. dot11SMTba pears earlier (p mpliance. This	# 74 ase3 is deprecated (see age 1034 line 6), and is being entered as an	Comment Type TR This annex alleged limited value given implementation rea specification langua to this comment in the standard, I belia	Comment Status X by provides an AP functional de that it is mostly content free at lity. The use of a large numbe age only increases its obscurit which it was asserted this ann ave a very strong reasons nee	nd almost totally o r of new terms an y. I disagree with ex is useful. Give	ver, in reality it has very lisconnected from d the semi-formal n the previous response n this is new material to
helpful. SuggestedRemedy List which features are Proposed Response C/ D SC D CHAPLIN, CLINT F Comment Type E dot11SMTbase3 appea page 1039 line 10), and correctly, in the MANDA "Editorial" comment sin the MIB. SuggestedRemedy	and are not supported in the S Response Status O P1035 Individual Comment Status X ars in the OPTIONAL-GROUP the latest dot11SMTbase ap ATORY-GROUPS of dot11Co	SDL. <i>L</i> 3 S. dot11SMTba pears earlier (p mpliance. This are shown as n	# 74 ase3 is deprecated (see age 1034 line 6), and is being entered as an	Comment Type TR This annex alleged limited value given implementation rea specification langua to this comment in the standard, I belie SuggestedRemedy Remove entire ann	Comment Status X ly provides an AP functional de that it is mostly content free an lity. The use of a large numbe age only increases its obscurit which it was asserted this ann eve a very strong reasons nee	nd almost totally o r of new terms an y. I disagree with ex is useful. Give	ver, in reality it has very lisconnected from d the semi-formal n the previous response n this is new material to

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general		Daga 24 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn		Page 34 of 35
SORT ORDER: Clause, Subclause, page, line	SC M	5/15/2006 10:09:18 PM



exist today other methods for accomplishing many of the mechanisms described in 802.11F that do not involve using the 802.11F protocol. However, the use of a specially addressed layer 2 frame (e.g. a null XID frame) by an AP to update the DS (e.g. and any infrastructure switches and routers) of the current association status of a mobile STA remains a valid and useful mechanism and method that is now lost.

SuggestedRemedy

Add an informative note in clause N.2.2 (now O.2.2) that cites the use of a null L2 XID packet as one method of accomplishing a DS-STA-NOTIFY update sequence in a real network/ WLAN system. Also include a reference to 802.11F clauses 4.5.1, 4.9.3, 5.1.1, 5.5.1, 5.5.2, 5.8, and 6.3, and (subsequently) add an 802.11F reference to Annex E. Alternatively we could copy from 802.11F directly into 802.11ma (in the appropriate places) the lines of text that describe the XID frame. Then the 802.11F reference and reference citation would not be needed.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Add the following sentence to the end of 0.2.2.1.4:

"There are many mechanisms to implement this mapping update for the cases of ADD and MOVE. One example mechanism, in the case where the DS is an 802 LAN, is to use an 802.2 XID null frame."

CI O SC 0.2.2	P1165	L 32	# 99
ENGWER, DARWIN A	Individual		

Comment Type TR Comment Status D

With the withdrawal of 802.11F there are now a few aspects of 802.11 that are not described, specified or defined anywhere. While that is in general very unfortunate, there exist today other methods for accomplishing many of the mechanisms described in 802.11F that do not involve using the 802.11F protocol. However, the use of a specially addressed layer 2 frame (e.g. a null XID frame) by an AP to update the DS (e.g. and any infrastructure switches and routers) of the current association status of a mobile STA remains a valid and useful mechanism and method that is now lost.

SugaestedRemedv

Add an informative note in clause N.2.2 (now O.2.2) that cites the use of a null L2 XID packet as one method of accomplishing a DS-STA-NOTIFY update sequence in a real network/ WLAN system. Also include a reference to 802.11F clauses 4.5.1, 4.9.3, 5.1.1. 5.5.1. 5.5.2. 5.8. and 6.3. and (subsequently) add an 802.11F reference to Annex E. Alternatively we could copy from 802.11F directly into 802.11ma (in the appropriate places) the lines of text that describe the XID frame. Then the 802.11F reference and reference citation would not be needed.

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

See resolution to comment #95 (duplicate).

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	0 0	Page 35 of 35
SORT ORDER: Clause, Subclause, page, line	SC 0.2.2	5/15/2006 10:09:18 PM