<i>CI</i> 00 KANDALA, S	SC 0 RINIVAS	<i>P</i> Individual	L	# 8	C/ 00 SC 0 Myles, andrew f	P Individual	L	# 9
interoper separatio separate would be SuggestedRe Restrict r Proposed Re PROPOS The com channelli			Comment Type TR Comment Status D In a previous ballots, I requested the removal of Annex N because I believed it had no value. This comment is a repeat of those comments. This request was previously rejected with, "The consensus of the working group is that the material in Annex N is useful. Inclusion of Annex N was approved unanimously in March 2005 (document 05/205r0, motion #7). This text was developed in response to requests from 802.11 members and external SDOs for additional description of AP functionality. Annex N describes the functions of an AP using a UML-based syntax to clarify AP function versus common implementations of AP devices. The burden of proving that Annex N is not useful is on the commenter." This response is unreasonable because it is impossible to prove no value. Given this is new material, I strongly believe that it is incumbent on the authors to describe what value is provided. They have failed to do so on multiple occasions I would also note that it is somewhat misleading to believe the majority of the WG believes the material is useful based on a motion held in TGm . The most that can be said is that it was approved by those self selected individuals in the room at the time. The minutes do not record how many people voted in the affirmative but based on the previous motion it was probably less than 13 and possibly less than 7. I suspect the vast majority of WG members have no clue Annex N exists. What I can say is that Annex N attempts to describe the functions of an AP using a abstract form, new terminology (eg mobile STAs) and a new language (eg based on UML). The majority of the annex is used to describe the new terminology and language. I assert the majority of knowledgable WG members would not recognise the description.					
					in Annex N is useful, a The duty of the workin resolving comments.	Response Status W task group, working group, an is there has been no material s g group is to continue to move Annex N describes the functio rersus common implementation	support for its re in the direction ns of an AP usir	emoval in any ballot. of consensus when ng a UML-based syntax

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/ 00Page 1 of 10COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC 09/17/2006 11:42:14 PM

Submission

COORDINATION, EDITORIAL	L # 10	C/ 00 SC 0 COORDINATION, EDITO	Р RIAL	L	# 12
Comment Type GR Comment Status D		Comment Type ER	Comment Status D		
Please look at Clause 2 carefully. You have upd paragraph that states:		Figures in IEEE stand sure this figure will ma	ards are printed in black aintain its integrity when p	ink only. Figure 4 is c printed as black ink.	colored. Please make
The following referenced documents are indisper For dated references, only the edition cited appledition of the referenced document (including ar However, all of your references are still dated. D recent edition? If so, you need to remove the da	lies. For undated references, the latest ny amendments or corrigenda) applies. Do you want users to update to the most	SuggestedRemedy Proposed Response	Response Status N	I	
uggestedRemedy		PROPOSED ACCEP	Г.		
Remove dates of those references you would like	e to be automatically updated to the most	The figure has been p	rinted in two prior versior	ns of the standard with	hout difficulty.
recent edition. Proposed Response Response Status W		C/ 03 SC 3.1 PALM, STEPHEN R	P 47 Individua	L 5 al	# 38
PROPOSED ACCEPT. Delete ":1997" from the reference to 3166-1.		Comment Type TR STAs and APs are pla	Comment Status D		ce
OORDINATION, EDITORIAL	L # <u>11</u>	SuggestedRemedy Delete "Quality of Ser			
Comment Type ER Comment Status D As per IEEE style, the bibliography should alway series of annexes. Currently, the bibliography fa	ys fall at the end or the beginning of the	Proposed Response PROPOSED REJECT	Response Status N	I	
		The term QoS, when on Only the acronym was	combined with BSS, IBSS removed.	S, AP, or STA, is still u	used in the standard.
the beginning since new annexes will continue to ungested Remedy		· · ·			
0 0	ж.	C/ 03 SC 3.118	P 12	L 51	# 22
uggestedRemedy Suggest moving bibliography to first or last anne			P 12 Individua		# 22
uggestedRemedy Suggest moving bibliography to first or last anne roposed Response Response Status W PROPOSED ACCEPT.		CI 03 SC 3.118 CHAPLIN, CLINT F Comment Type E		al	# 22
SuggestedRemedy Suggest moving bibliography to first or last anne Proposed Response Response Status W	Annex E empty to avoid renumbering the	CI 03 SC 3.118 CHAPLIN, CLINT F Comment Type E Wrong article SuggestedRemedy	Individua	al	# 22

September 2006		IEEE P802.11	REV-ma D8.0 WLAN	Revision Recirculation #3 comments r	received	IEEE 802.11-06/1393r
C/ 03 SC 3.118 PALM, STEPHEN R	P 54 Individual	L 49	# 29	C/ 03 SC 3.122 CHAPLIN, CLINT F Ir	P 13 L 8 ndividual	# 23
Comment Type TR The definition no longe	Comment Status D r needed since we are doing	away with "Q"		Comment Type E Comment Sta Wrong article	atus D	
SuggestedRemedy Delete entire definition				SuggestedRemedy Change "an non-QoS STA" to "a non-Q	IOS STA"	
Proposed Response PROPOSED REJECT.	Response Status W			Proposed Response Response Sta PROPOSED ACCEPT.	atus W	
The term QoS, when concerning the acronym was	ombined with BSS, IBSS, AP removed.	, or STA, is still u	sed in the standard.	C/ 03 SC 3.122 PALM, STEPHEN R Ir	P 55 L 7 ndividual	# 32
C/ 03 SC 3.119 PALM, STEPHEN R	P 54 Individual	L 54	# 30	Comment Type TR Comment Sta The definition no longer needed since w	_	
Comment Type TR The definition no longe	Comment Status D r needed since we are doing	away with "Q"		SuggestedRemedy Delete definition entirely		
SuggestedRemedy Delete definition entirel	ly			Proposed Response Response Sta PROPOSED REJECT.	atus W	
Proposed Response PROPOSED REJECT.	Response Status W			The term QoS, when combined with BS Only the acronym was removed.	S, IBSS, AP, or STA, is still	used in the standard.
The term QoS, when concerning the acronym was	ombined with BSS, IBSS, AP removed.	, or STA, is still u	sed in the standard.	C/ 03 SC 3.131 PALM, STEPHEN R Ir	P 55 L 40 ndividual	# 33
C/ 03 SC 3.121 PALM, STEPHEN R	P 55 Individual	L 4	# 31	Comment Type TR Comment Sta We agreed to remove "Q" and related	atus D	
Comment Type GR The definition no longe	Comment Status D r needed since we are doing	away with "Q"		SuggestedRemedy Delete: "Qualiy of Service (qos)"		
SuggestedRemedy Delete definition entirel	ly			Proposed Response Response Sta PROPOSED REJECT.	atus W	
Proposed Response PROPOSED REJECT.	Response Status W			The term QoS, when combined with BS Only the acronym was removed.	S, IBSS, AP, or STA, is still	used in the standard.
The definition is still ne Only the acronym was	eded, as the term "QoS IBSS deleted, not the term.	5" is used elsewhe	ere in the document.			
				general ritten C/closed U/unsatisfied Z/withdrawn	CI 03 SC 3.131	Page 3 of 10 9/17/2006 11:42:14 PM

C/ 03 SC 3.135 PALM, STEPHEN R	P 55 Individual	L 55	# 34	C/ 03 SC 3.36 PALM, STEPHEN R	P 49 Individual	L 21	# 27			
Comment Type TR We agreed to remove "Q" a	Comment Status D and related.			Comment Type TR C Removal of "Q" artifacts har	Comment Status D					
SuggestedRemedy Delete "Quality of Service (Use "STA" (not "station') co	onsistantly.			SuggestedRemedy Delete "Quality of Service (C Delete "QoS" twice. consistantly only use "AP" a	,	ds.				
Proposed Response R PROPOSED REJECT.	Response Status W			, , , , , , , , , , , , , , , , , , ,	esponse Status W					
The term QoS, when comb Only the acronym was rem Editor to change "station" to	oved.	or STA, is still u	sed in the standard.	The term QoS, when combin Only the acronym was remo		or STA, is still us	sed in the standard.			
CI 03 SC 3.34 PALM, STEPHEN R Comment Type TR	P 49 Individual Comment Status D	L 13	# 26	Editor to change the definition A bidirectional link from one STA operating in the same in a QoS AP. Once a direct line STAs are exchanged directline	non-AP quality of service infrastructure QoS basic s k has been set up, all fran	ervice set that d	oes not pass through			
Renoving the "Q" was not o APs and STA, not QoS AP SuggestedRemedy		eveal other place	es). There are just	C/ 03 SC 3.51 PALM, STEPHEN R	P 50 Individual	L 21	# 28			
Delete "Quality of Service (Replace "QoS Station" with				Comment Type TR C Here as in several other pla	Comment Status D ces, "Q" removal was han	dled incorrectly.				
PROPOSED REJECT.	roposed Response Response Status W				SuggestedRemedy Delete "quality of Service (QoS)" Delete "QoS" twice					
Only the acronym was rem	oved.			Use "STA" and "AP" consistantly Proposed Response Response Status W PROPOSED REJECT.						
				The term QoS, when combin Only the acronym was remo		or STA, is still us	sed in the standard.			
				The editor is to revise the de The prioritized carrier sense mechanism used by QoS S ⁻ used by the QoS AP and op controlled channel access (I	e multiple access with colli TAs in a QoS basic servic perates concurrently with h	e set. This acce	ss mechanism is also			
TYPE: TR/technical required E				general vritten C/closed U/unsatisfied Z/wit	C/ 03		Page 4 of 10			

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CI 03 SC 3.65 STANLEY, DOROTHY V	P 9 Individual	L 21	# [1	C/ 06 SC 6.1.1 P 93 L 17 # 39 PALM, STEPHEN R Individual
Comment Type E one instance of non-QST SuggestedRemedy Change from "non-QSTA				Comment Type TR Comment Status D Was "QoS STA" an attempt to shorthand a "STA with QoS Facility". The shorthand is confusing and just a varient of "QSTA" that we agreed to get rid of the "Q" and just have "STA"s.
Proposed Response PROPOSED ACCEPT.	Response Status W			SuggestedRemedy Replace "QoS STA" with "STA with QoS Facility" in many places throughout the document. Proposed Response Response Status W
CI 03 SC 3.65 CHAPLIN, CLINT F Comment Type E	P 9 Individual Comment Status D	L 21	# 21	PROPOSED REJECT. The term "QoS STA" is defined in 3.122 as " a STA that implements the QoS facility". This allows consistent and unambiguous use of the term in the rest of the standard.
One last QSTA that was SuggestedRemedy Change "non-QSTAs" to Proposed Response PROPOSED ACCEPT.				CI 07 SC 7.1.3.5.7 P 70 L 28 # 2 STANLEY, DOROTHY V Individual Comment Type E Comment Status D Figure 21 includes a QAP SuggestedRemedy
CI 05 SC 5.2.6 CHAPLIN, CLINT F Comment Type E Wrong article SuggestedRemedy Change "a AP" to "an AF	P 31 Individual Comment Status D	L 27	# 24	Change "QAP" to "AP in Figure 21 Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response PROPOSED ACCEPT.	Response Status W			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	CL 07	Dogo E of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 07	Page 5 of 10
SORT ORDER: Clause, Subclause, page, line	SC 7.1.3.5.7	9/17/2006 11:42:14 PM

C/ 07 SC 7.3.2.2 P 145 L 23 # 35 PALM, STEPHEN R Individual	C/ 07 SC 7.4.5 P 152 L 48 # 19 STEPHENS, ADRIAN P Individual
ALM, STEPHENR Individual Comment Type TR Comment Status D The current revisions are an improvement, but it seems that still more could be done to clarify. A few sentences later, a reference to a tbale of encodings is used. That seems better than using the current revised text which is not strictly logically coorect. IggestedRemedy Make the two data rate sentences consistant by using the later reference to the table in	STEPHENS, ADRIAN P Individual Comment Type TR Comment Status D The change highlights the question of what can go into or follow the vendor specific content. The implication of figure 118 is that the vendor specific content is of variable length and unconstrained (except through the MPDU length limits). However this is not true - there is an additional constraint, that the vendor specific content internally define its length. The reason for this is that the action frame format shown in Table 19, permits one or more vendor specific information elements to follow the action
10.4.4.2. oposed Response	field. Without the Action field being able to determine its own length internally, it is not possible to parse the vendor-specific information elements.
PROPOSED ACCEPT IN PRINCIPLE.	SuggestedRemedy
The table in 10.4.4.2 is not complete and cannot serve as the sole reference for encoding	In 7.2.3.12, after: "One or more all other information elements" add: ", except this shall be absent in the case of the Vendor Specific action frame."
these values.	Proposed Response Response Status W
Replace "bits 6 through 0 are set to the data rate, rounded up to the next 500kb/s (e.g., a 1 Mb/s rate contained in the BSSBasicRateSet parameter is encoded as X'82')." with "bits 6 through 0 are set to the data rate, if necessary rounded up to the next 500kb/s, in units of 500 kb/s. For example, a 2.25 Mb/s rate contained in the BSSBasicRateSet parameter is encoded as X'85'."	PROPOSED REJECT. The vendor-specific content field of the vendor-specific action frame is totally unconstrained and forbidding the inclusion of vendor-specific information elements is not consistent with this. The commenter is correct that, without knowledge of the structure of the vendor-specific action frame, it will be impossible to parse. It is not intended that all STAs be able to parse any portion of the vendor-specific content. Only those STAs that have a priori knowledge of the structure will be able to parse the frame.
	C/ 07 SC 7.4.5 P 194 L 47 # 37
	PALM, STEPHEN R Individual
	PALM, STEPHEN R Individual Comment Type TR Comment Status D This is an imrovement on previous, howevr, "fields" implies it must be more than one.
	Comment Type TR Comment Status D

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	01 07	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	CI 07	Page 6 of 10
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C/ 08 SC 8.1.4 STANLEY, DOROTHY V	P 156 Individual	L 53	# 3	C/ 08 SC 8.5.5 P 223 L 39 # 7 STANLEY, DOROTHY V Individual Indin Indin Indin
Comment Type E Typo	Comment Status D			Comment Type E Comment Status D Simplify wording and add missing article
Typo SuggestedRemedy Change "mastery" to "m Proposed Response PROPOSED ACCEPT. C/ 08 SC 8.5.3.5 STANLEY, DOROTHY V Comment Type E Incorrect grammar SuggestedRemedy		L 32	# 4	Simplify wording and add missing article SuggestedRemedy Change from "At this point the Supplicant also enters PEERKEYINIT state" to "The Supplicant enters the PEERKEYINIT state" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. 1. In clause 8.5.5 paragraph 1 Replace the sentence beginning "At this point" with the following sentence "A Supplicant enters the STAKEYSTART state on receiving an EAPOL-Key frame from the Authenticator" This reinstates the original text from 802.11i. 2. In figure 153, delete the arrow coming downwards out of the STAKEYSTART state and the "PeerKeyInit" text label 3. Move the following variable definitions from 8.5.5.2 to a new section, 8.5.5.5 "Supplicant PeerKeyInit TimeoutCtr MICVerified - note-not the first one in the list, the second one SMKMesgNo STKA_P STA_I STKKey 4. Duplicate the following variable definition from clause 8.5.5.2 and insert them into 8.5.5.5:
				EAPOLKeyReceived 5. Change the name of clause 8.5.5.4 from Supplicant PeerKey state machine procedures to Supplicant PeerKey state machine states

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 00	Dogo 7 of 10
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C/ 09 SC 9.1.3.2 PALM, STEPHEN R	P 298 Individual	L 14	# 40	C/ 11 SC 11.2.1.4 PALM, STEPHEN R	P 486 Individual	L 42	# 41
<i>comment Type</i> TR HCCA has turned out to	Comment Status D be irrelevant, unimplemente	d and confusing	to industry.	Comment Type TR This cluase contains r	Comment Status D numerous technical errors.		
uggestedRemedy Delete HCCA funcionali roposed Response	ty and all references to it. Response Status W			SuggestedRemedy Recommend that text errors.	be compared to WMM Specific	cation and update	ed to correct technical
PROPOSED REJECT.	Response Status w			Proposed Response PROPOSED REJECT	Response Status W		
	cope for the current ballot. T t will be forwarded to the 802 tandard.			text regarding APSD of	f scope of the current ballot. T operation. The comment will b on in a future revision of the sta	e forwarded to th	
/ 09 SC 9.12 TANLEY, DOROTHY V	P 310 Individual	L 13	# 5	C/ 17 SC 17.5.4.3 ECCLESINE, PETER	P 636 Individual	L 29	# 20
omment Type E QAP in table	Comment Status D			Comment Type E	Comment Status D	spacing	
<i>lggestedRemedy</i> Change to AP				SuggestedRemedy Editor to insert 5		spacing	
roposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCEP	Response Status W		
09 SC 9.12 ANLEY, DOROTHY V	P 312 Individual	L 46	# 6	C/A SC A	P 749	L 52	# 13
omment Type E QAP term used	Comment Status D			ECCLESINE, PETER Comment Type G	Individual Comment Status D		
ggestedRemedy Change from "QAP" to "	AP"			SuggestedRemedy	be CF11, not CF10, as it app	iies 10 4.9 GHZ	
oposed Response PROPOSED ACCEPT.	Response Status W			Make Status use CF1 Proposed Response PROPOSED ACCEP	Response Status W		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general		Dage 8 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn		Page 8 of 10
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C/ A SC A P 750 ECCLESINE, PETER Individua		# 14		C/I SCI ECCLESINE, PETER	P1 Individ		3 # 17	,
Comment Type G Comment Status D OF3.8.2 Status should be CF11, not CF10, as				Comment Type E	Comment Status refer to H.2, but should	D		
<i>uggestedRemedy</i> Make Status use CF11				SuggestedRemedy				
Proposed Response Response Status W PROPOSED ACCEPT.				Proposed Response PROPOSED ACCEP	Response Status T.	W		
A SC A P 750 CCLESINE, PETER Individual		# 15		C/ I SC I ECCLESINE, PETER	P1 Individ	-	4 # 16	
Comment TypeGComment StatusDOF3.8.3 Status should be CF11, not CF10, as	t applies to 4.9 GHz			Comment Type E Figure I.6 on p1149 h	Comment Status	-	d is titled Figure H.3	3 on 122
uggestedRemedy Make Status use CF11				SuggestedRemedy Redraw figure to Styl	e Guide req'ts and corr	ectly title it (I.2)		
roposed Response Response Status W PROPOSED ACCEPT.				Proposed Response PROPOSED ACCEP	Response Status T IN PRINCIPLE.	W		
D SC D P 999		# 25		Also change reference	e to figure I.6 in line 22	to be I.2.		
HAPLIN, CLINT F Individua omment Type E Comment Status D	l			C/ J SC J.3 ECCLESINE, PETER	P1 Individ	-	9 # 18	5
Wrong article				Comment Type G	Comment Status	D		
SuggestedRemedy				Table J.3 does not show 5.25-5.35 GHz, which is available in Japan. See comment #297				
Change "an non-QoS BSS" to "a non-QoS BSS"				on REV-MA D5.0 (06/91r2 p6). In Table J.3, insert Regulatory Class 30, Channel starting frequency 5, Channel spacing 20, Channel set 52, 56, 60, 64, Transmit power limit 22,				
roposed Response Response Status W PROPOSED ACCEPT.			Emissions limits set 1, Behavior limits set Reserved				nd specify Regulatory classes 31-255	
				SuggestedRemedy Editor to add Regulat	ory Class 30 with text f	rom comment.		
				Proposed Response	Response Status	w		
				PROPOSED REJEC	Т.			
					of scope for this recircu forwarded to the 802.1 ard.			
YPE: TR/technical required ER/editorial required						C/ J	Doo	e 9 of 10
OMMENT STATUS: D/dispatched A/accepted R	rejected RESPONS	E STATUS: O/ope	en W/writ	ten C/closed U/unsatisfie	d Z/withdrawn	J	9/17	

C/ N	SC N	P1217	L 1	# 36
	TEPHEN R	Individual		
	<i>,</i> , , , , , , , , , , , , , , , , , , ,	Comment Status D edefine AP functionality. It's in	clusion in the sa	atndard causes
Delle	edRemedy ete Annex N. If des ribution.	sired, the contents may be co	ntained in a sep	erate document or
,	d Response POSED REJECT	Response Status W		
		scope for this recirculation b Group for consideration in a f		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial		Dogo 10 of 10	
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open V	N/written C/closed U/unsatisfied Z/withdrawn	C/N	Page 10 of 10
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