IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

doc: IEEE 802.11-05/0482r2

Cl 00 SC Raissinia, Ali	0	P 0	L 0	MyBallot # 433	<i>Cl</i> 00 Hunter, Da
Comment Type 0	ER	Comment Status D			<i>Comment</i> Why d
SuggestedReme 0	dy				Suggested Spell o
Proposed Respo PROPOSED		Response Status W The comment is blank and t	here is nothi	ng for the editor to do.	Proposed PROP clause
Godfrey, Tim	17, 18, 19	P 0	L 0	MyBallot # 628	<i>Cl</i> 00 Kumar, Ra
Groups in the	e main title l mes" for the	ne for clauses 17, 18, and se PHYs with the appropria	19. That wou		Comment Top Le Correc
SuggestedReme		IIKS.			Suggested Enhan
GHz band"	: Orthogona		•	I) PHY specification for the 5	Proposed PROP
"18. 802.11b "19. 802.11g		direct sequence spread spe fication"	ectrum (HR/I	DSSS) PHY specification"	C/ 00
work of some	REJECT. T e other task	Response Status W his might apply nicely to a groups like 802.11h. It wou clauses of the document.		out will not work at all for the a false concept that task	Liu, Chang <i>Comment</i> Why th
	Bookmark		L 0	MyBallot # 543	Suggested 0
Hunter, David Comment Type Revision mis	ER spelled "Re	Comment Status D			Proposed PROP specifi
SuggestedReme Use word pro	2	spellchecks Bookmarks.			802.11
	ACCEPT.	Response Status W Editor searched for Revisin If typo error in creating PDF		urce and not found. The error	

Hunter, Da	SC Bookm avid	arks 19	P 0	L 0	MyBallot # 544
Comment	Type ER		nt Status D s and not "ERP"	?	
Suggestee Spell	<i>dRemedy</i> out "Extended	Rate PHY (ER	P)" in title.		
PROF		T. The editor b			vuses acronyms in titles of clause and sub-clause titles
<i>CI</i> 00 Kumar, Ra	SC Compe ajneesh	lte Doc	P 0	L 0	MyBallot # 599
Suggested Enhar Proposed	dRemedy ncements Response	Response	cments". Spellin e Status W f comment id #1		ements is wrong) for editorial resolution.
C/ 00 Liu, Chang	SC Genera	1	P 0	L 0	MyBallot # 570
		0			
			nt Status D or 2.4GHz is not	included?	
Comment Why t Suggestee 0	he ODFM PHY			included?	

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 7/6/2005 10:15:57 AM
 C/ 00
 SC General

 SORT ORDER:
 Clause, Subclause, page, line
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 SC General

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

LEMBERGER, URIEL Comment Type ER Comment Status D Regulatory related requirements are spreaded in the document in noncosistant way, and sometimes duplicated in two different locations. SuggestedRemedy	Palm, Stephen Comment Type TR Comment Status D If an implementor wished to implement an 802.11g or 802.11a only product, this document provides no guidance as to which clauses and phrases are relevant. SuggestedRemedy			
sometimes duplicated in two different locations.	provides no guidance as to which clauses and phrases are relevant. SuggestedRemedy			
SuggestedPomody				
Suggesteaneny				
Use consistant way to define regulatory related information like transmit power for example having all in annex I and reference to this point from other parts of the document	Clearly indicate which clauses and phrsases are applicable to the individual amendments of 802.11a through 802.11j			
Proposed Response Response Status W	Proposed Response Response Status W			
PROPOSED ACCEPT. Most references to regulatory bodies and information will be made general, rather than specific, referring the implementer to check the regulations for himself.	PROPOSED REJECT. Once 802.11REV-2005 is published, IEEE rules require that the individual amendments (802.11a-j) disappear. These distinctions are not indicated in the revision of the standard.			
In clause 14.6.2: remove the following: Table 56, and revise the text above it to say "There are	C/00 SC General P0 L0 MyBallot # 395			
specific radio regulations in various countries to which equipment built to this standard must comply. Theses regulations are not identified in this standard." Editor included in draft 2.0 in	Cl 00 SC General P 0 L 0 MyBallot # 395 Kandala, Srinivas			
14.6.2.	Comment Type TR Comment Status D			
in 14.8.1: Table 70	Since Tge draft has been stable and the "ma" draft is incomplete (see comment on clause 5) and the chances of another amendment approved in the next 2 years is very close to 0, I			
in 14.8.2.2: Table 71	respectfully request the TG/WG to ensure that the amendment in Tge gets rolled in this cycle itself.			
in 14.8.2.19:	SuggestedRemedy			
in 15: Delete second and third sentences. Editor included in draft 2.0 in second paragraph of 15.1.	As the editor of Tge I can not change my vote in good conscience on this unless the Tge amendment is also added to the draft.			
	Proposed Response Response Status W			
in 15.4.6.2: delete all but first sentence and add "See the applicable regulations for the countries in which the implementation will operate." Editor included in draft 2.0 in 15.4.6.2.	PROPOSED REJECT. IEEE rules are that a revision may include only approved amendment to a standard. As 802.11e is not yet approved, it cannot be included. As well, the 802.11ma			
in 15.4.6.5: Editor included similar chagnes in draft 2.0 in 15.4.6.5.	PAR allowed for the inclusion of amendments approved by the IEEE-SA in a window of six months after the approval of the 802.11ma PAR. 802.11e was not approved by the IEEE-SA			
in 15.4.7.1: delete Table 89 and second sentence. Editor included in draft 2.0 in 15.4.7.1.	within this window, either.			
in 18.4.6.2: see 15.4.6.2. Editor included in draft 2.0 in 18.4.6.2.	CI 00 SC General P 0 L 0 MyBallot # 615 Williams, Richard F F F F F F F			
in 18.4.6.8:	Comment Type E Comment Status D			
in 18.4.7.1: Delete Tables 136 and 137, and text that references them. Editor included in draft	Bookmark for page iii has incorrect spelling			
2.0 in 18.4.7.1.	SuggestedRemedy			
in 19.4.1; delete all but the first sentence. Editor included in draft 2.0 in 19.4.1.	Change 'Revisin' to 'Revision'.			
	Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment id# 543. See #543 for editorial resolution.			
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/ COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/w				
SORT ORDER: Clause, Subclause, page, line	7/6/2005 10:15:57 AM C/ 00 SC General			
Submission	Beb O'Here, Ciece System			

Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

	Stephens, Adrian
<i>Imment Type</i> E <i>Comment Status</i> D Well, congratulations to IEEE 802.11. It is quite impressive (and lengthy) to see this standard finally consolidated.	Comment Type E Comment Status D Please do a spell check. There are multiple typos that will be detected in this way. SuggestedRemedy
ges <i>tedRemedy</i> Keep up the good work!!	Spellcheck
PROPOSED ACCEPT. Nothing for editor to do to draft.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Spell check is useless on the document at large with so many acronyms, revision marks, variable names, and source code. Editor has run spell check on the new annexes K, L, M, and N.
0 SC Generally P 0 L 0 MyBallot # 532	C/ 00 SC Generally P 0 L 0 MyBallot # 40 Stephens, Adrian
ment Type TR Comment Status D	Comment Type TR Comment Status D
The aPHY-RX-START-Delay parameter has been introduced without adequate definition. From its use in section 9.2.5.4, it is clearly the delay between the start of the packet on-air, an receiving the PHY-RXSTART.ind. For all PHYs, there is a preamble and a PLCP header to be received before the PHY can emit this indication. However, the change appears to believ- only the OFDM PHYs have this behaviour. gestedRemedy	The aPHY-RX-START-Delay parameter has been introduced without adequate definition. From its use in section 9.2.5.4, it is clearly the delay between the start of the packet on-air, a receiving the PHY-RXSTART.ind. For all PHYs, there is a preamble and a PLCP header to be received before the PHY can emit this indication. However, the change appears to belie only the OFDM PHYs have this behaviour.
Add a definition for this parameter somewhere. I have made separate comments in each plac where it is wrongly defined to be zero.	SuggestedRemedy Add a definition for this parameter somewhere. I have made separate comments in each pl where it is wrongly defined to be zero.
oosed Response Response Status W	
PROPOSED ACCEPT. Definitions will be added to the appropriate clauses. Editor has nothing to do on this item, but will examine other separate comment responses.	Proposed Response Response Status W PROPOSED ACCEPT. Definitions will be added to the appropriate clauses. Duplicate of
0 SC Generally P 0 L 0 MyBallot # 71	comment id #532. See #532 for editorial resolution.
ment Type E Comment Status D	
There are 105 instances of "per". Most of these are the meaining "for each". About 6 of the have different meanings: "as defined in", "through".	
Recommend that only the more common meaning be acceptable, and uses such as "per 8.2.3.4" should be reworded.	
gestedRemedy	
Check and re-word to avoid overloading the word.	
oosed Response Response Status W	
PROPOSED ACCEPT. Editor included in draft 1.1 in clause 3.118, 7.3.1.8, 7.3.1.9, 10.3.6.2.2	

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:57 AM C/ 00 SC Generally

Submission

C/ 00 SC Generally P0 LO MyBallot # 48 C/ 00 SC none P0 LO MyBallot # 306 Stephens, Adrian Kruys, Jan Comment Type Е Comment Status D Comment Type Е Comment Status D I know that it's kind of hard to achieve, but I have always felt that the reference model in secti misspelling 5.8 should map onto the clause description better than it does. SuggestedRemedy In the header - spell "enhancements" correctly Part of the problem is the way we use language "a STA associates à" instead of "the SME of the STA initiates an association.request". The use of loose language and failure to identify Proposed Response Response Status W which logical entity is responsible for normative behaviour causes loss of clarity. PROPOSED ACCEPT. Duplicate of comment id #120. See #120 for editorial resolution. SuggestedRemedy I think we need an "SME procedures" clause. Logically, what needs to be done is each the tl ΡO C/ 00 LO SC Page 1 MyBallot # 545 word "the STA" or "the AP", check to see if this is a rule for the SME, and if so, move it to th Hunter, David SME section. Comment Type Comment Status D ER Then we need a cross-check, the MLME_SAP and PLME_SAP should export interfaces that Title: Technolaov support the behaviour in this section. SuggestedRemedy A non-trivial undertaking, I know, but I hope it would be worth it. Use word processor that spellchecks anything. Response Status W Proposed Response Proposed Response Response Status W PROPOSED REJECT. The text has served the purpose of introducing the concepts used in PROPOSED ACCEPT. Editor corrected misspelling on first page and title page in draft 1.1. 802.11 to implementers. If clarification is required, the commenter is solicited to provide specific text. C/ 00 P1 SC page 1 & Cover page L 0 MyBallot # 4 Aboba, Bernard P0 C/ 00 SC Introduction L 0 MyBallot # 590 Richard, Paine Comment Status D Comment Type ER Misspelling. Comment Type Comment Status D E PiiiL8 bad sentence SuggestedRemedy Change "Technolgoy" to "Technology" SuggestedRemedy change "membershipit has the following membership:" to "membership" Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #545. See #545 for editorial resolution. Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in the introduction. MyBallot # 573 C/ 00 P0 L 0 SC page iii McCann, Stephen Comment Type E Comment Status D Editor's note does not specify year of change, only month SuggestedRemedy Add 2005 as year to months, e.g. March 2005 work item Proposed Response Response Status W PROPOSED REJECT. This material was revision notes only for draft 1.0 and has been removed entirely from draft 1.1. TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 4 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:57 AM C/ 00 SC page iii SORT ORDER: Clause, Subclause, page, line

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Submission

July 2005

Bob O'Hara, Cisco Systems

doc: IEEE 802.11-05/0482r2

Ju	ly	20	00	5
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C/ 01 SC 1.2	P 0	L 0	MyBallot # 307	C/ 02 SC 2. P 0 L 0 MyBallot # 495
Kruys, Jan	-	-		Engwer, Darwin
Comment Type T Last bullit item is not con SuggestedRemedy	Comment Status D rrect: DFS etc is required in	the 5GHz b	and everywhere	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other alguage. This applies to this clause and all sub-plauses thereof.
Remove " in Europe"				other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy
Proposed Response PROPOSED ACCEPT.	Response Status W Editor included in draft 1.1 i	n 1.2.		Resolve the inconsistencies. Proposed Response Response Status W
C/ 02 SC 2, pp. 3 Aboba, Bernard	Ρ3	L 0	MyBallot # 5	PROPOSED ACCEPT. No inconsistencies have been identified by the commenter or the task group.
Comment Type ER Out of date reference.	Comment Status D			Cl 03 SC 3. P 0 L 0 MyBallot # 366 Watanabe, Fujio
SuggestedRemedy Change "802.1X-REV" t	o "802.1X-2004" throughou	t the docum	ent.	Comment Type TR Comment Status D No definition of SSID. Is ESSID equal to SSID? If so, why does not say ESSID instead of SSI
Proposed Response PROPOSED ACCEPT.	Response Status W Included by editor in draft 1	.1, in clause	s 2, 3, 4, 5, 8.	SuggestedRemedy Add the definition of SSID, BSSID, and ESSID (if necessary) and add differentiation between ESSID and SSID if necessary.
C/ 02 SC 2, pp. 3 Aboba, Bernard	Ρ3	L 0	MyBallot # 6	Proposed Response Response Status W PROPOSED REJECT. SSID and BSSID are defined as field names in clause 7. BSSID is
Comment Type TR Add reference.	Comment Status D			defined in 7.1.3.3.3. SSID is defined in 7.3.2.1. They are not "terms" that require definition in clause 3.
SuggestedRemedy Add reference to RFC 4	017, "EAP Method Require	ments for W	ireless LANs"	Any occurrence of "ESSID" is an error and will be corrected. Editor searched the FRAME source for ESSID and did not find it.
Proposed Response Response Status W PROPOSED ACCEPT. Add the reference requested. Editor included in draft 2.0 in clause 2.			cluded in draft 2.0 in clause	C/ 03 SC 3. P 0 L 0 MyBallot # 546 2. Hunter, David
				Comment Type ER Comment Status D Header: "Enhancments"
				SuggestedRemedy Spellcheck
				Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in abstract, introduction.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 C/ 03
 SC 3.

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Cl 03 SC 3. P 0 L 0 MyBallot # 496 Engwer, Darwin	C/ 03 SC 3.119 P 0 L 0 MyBallot # 280
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focusec individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.	Comment Type T Comment Status D This is not correct, it applies in the US, Japan etc too. SuggestedRemedy
SuggestedRemedy	Replace with: A regulatory requirement to avoid that some of the available RF channels are more used than others.
Resolve the inconsistencies. Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies have been identified by the commenter or the task group. Nothing for the editor to resolve. Image: Commentation of the co	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete "per ERC/DEC/(99)23". Editor included in draf 1.1 in 3.119.
Cl 03 SC 3. P 0 L 0 MyBallot # 591 Richard, Paine Comment Type E Comment Status D P9L30 eliminated a definition, but didn't change numbering	Cl 03 SC 3.121 P 0 L 0 MyBallot # 473 Engwer, Darwin Comment Type TR Comment Status D excess verbiage
SuggestedRemedy change numbering	SuggestedRemedy change to: This standard describes such a frame format, but does not describe how such a mechanism or frame format would be used.
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in clasue 3.	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 3.120.
Cl 03 SC 3.114 P 0 L 0 MyBallot # 279 Kruys, Jan	C/ 03 SC 3.122 P 0 L 0 MyBallot # 190 Mike, Moreton Mike, Moreton
Comment Type T Comment Status D The definition is wrong and in any case EIRP is already defined elsewhere	Comment Type TR Comment Status D The definition of WLAN system only allows a single AP.
SuggestedRemedy Delete.	SuggestedRemedy Replaces "Access Point" with "Access Points" and "AP's station" with "Access Points' stations
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.114. Numbering will be fixed in next version of draft when struck out definition is actually removed.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace only "Access Point" with "Access Points". Also, insert "(WLAN)" after "Wireless Local Area Network" in the term being defined. Editor included in draft 1.1 in 3.121.

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 SC 3.122

Bob O'Hara, Cisco Systems

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C/ 03 SC 3.122 Mike, Moreton	P 0	L 0	MyBallot # 189	C/ 03 S Godfrey, Tim	SC 3.13	P 0	L 0	MyBallot # 619
Comment Type TR	Comment Status D and portal entities." is difficult	to parse	Is it the AP's (STA and nortal)	Comment Type		Comment Status D :: "The area containing the me	mbers of a	hasic service set (BSS) may
or the (AP's STA) and p		to parse.	is it the AFS (OTA and portal)	communic				
SuggestedRemedy				SuggestedRen	2			
replace with "portal ent	ities and the AP's station(STA)					area containing the members c rs of a basic service set (BSS)		
Proposed Response	Response Status W			Proposed Res		Response Status W		
PROPOSED REJECT.	See comment #191 for alterna	ate resolut	ion.	PROPOSED ACCEPT IN PRINCIPLE. Grammar fixed. See comment id #471 for editorial	mment id #471 for editorial			
C/ 03 SC 3.122	P 0	L 0	MyBallot # 191	resolution.				
Mike, Moreton				CI 03 S	SC 3.13	P 0	L 0	MyBallot # 471
Comment Type TR	Comment Status D		tele in alcone it	Engwer, Darwi	n			
	An AP is defined to include a STA, so there is no need to explicitly include it.				Comment Type ER Comment Status D sentence is not gramatically correct			
SuggestedRemedy Remove "the AP's stati	on(STA)".				0	tically correct		
Proposed Response	Response Status W			SuggestedRen fix	neay			
, ,	Editor included in draft 1.1 in	3.121.		Proposed Res	nonse	Response Status W		
C/ 03 SC 3.13 McCann, Stephen	P 0	L 0	MyBallot # 581	PROPOSE	D ACCEPT	Change was traced back to t cluded by editor in draft 1.1 in 3		tion 05/105r44 and corrected
Comment Type E	Comment Status D				SC 3.13	P 0	L 0	MyBallot # 187
Definition needs a gran	nmar tweak			Mike, Moreton				
SuggestedRemedy remove "may communicate" from end of definition		Comment Type "may comr		Comment Status D eeds to be removed from the e	end of the d	efinition of BSA.		
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE. Grammar fixe	d. See co	mment id #471 for editorial	SuggestedRen See comm	2			
resolution.				Proposed Res PROPOSE		Response Status W	ent id #471	for editorial resolution.

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 Page 7 of 118 7/6/2005 10:15:57 AM C/ 03 SORT ORDER: Clause, Subclause, page, line SC 3.13

Bob O'Hara, Cisco Systems

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Cl 03 SC 3.13 P0 L0 MyBallot # 629	C/ 03 SC 3.14 P 0 L 0 MyBallot # 472
Comment Type E Comment Status D This definition of BSA does not make grammatical sense. SuggestedRemedy	Comment Type TR Comment Status A but STAs that have synchronized doesn't quite cover it, bcus a BSS is more than (say) just adopting a channel or hop sequence. It is being part of a *particular* BSS. And that means syncing, or joining that BSS and NOT joining all other BSSs. BSS uniqueness is tied to a
Suggest striking the words "may communicate". Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. Grammar fixed. See comment id #471 for editorial resolution.	specific BSSID. SuggestedRemedy fix Proposed Response Response Status C
C/ 03 SC 3.13; page 5 P 0 L 0 MyBallot # 340 Hillman, Garth	ACCEPT. Replace "STA Synchornization procedure" with "Join service primitive". Editor included in draft 1.1 in 3.14. The footnote also required updating to point to this primitive in te:
Comment Type E Comment Status D Incorrect sentence structure	C/ 03 SC 3.14 P 0 L 0 MyBallot # 540 Perahia, Eldad 540
SuggestedRemedy delete "may communicate"	Comment Type E Comment Status D spelling error: "synchornization"
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Grammar fixed. See comment id #471 for editorial	SuggestedRemedy synchronization
resolution. <i>Cl</i> 03 SC 3.14 <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # 188 Mike, Moreton	 Proposed Response Response Status W PROPOSED REJECT. The mispelled text was deleted entirely. See comment id #472 for editorial resolution.
Comment Type E Comment Status D "membership in a BSS" is grammatically wrong (at least in my part of the world).	Cl 03 SC 3.14 P 0 L 0 MyBallot # 630
SuggestedRemedy "membership of a BSS" Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.14.	Comment Type T Comment Status D This new definition for BSS seems like it causes some interesting issues with other BSS definitions. For example the BSS basic rate set seems to indicate that all members of the BS must support the basic rate set. But if all that is required is to synchronize with the AP to become a member, this basic rate set definition seems awkward.
	SuggestedRemedy 0
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The footnote does not refer to the correct procedure for synchronization. The footnote should refer to clause 10.3.3, not 11.1. Replace "11.1" in the footnote should refer to clause 10.3.3, not 11.1. Replace "11.1" in the

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footnote with "10.3.3". Editor included in draft 1.1 in footnote to 3.14.

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Cl 03 SC 3.14 P 0 L 0 MyBallot # 270 Karcz, Kevin	Cl 03 SC 3.19 P 0 L 0 MyBallot # 569 Liu, Changwen
Comment Type E Comment Status D "synchronization' is mispelled in "the STA synchronization procedure"	Comment Type E Comment Status D I would like to see a better writing for the sentence. I cannot understand it.
SuggestedRemedy edit	SuggestedRemedy 0
Proposed Response Response Status W PROPOSED REJECT. The mispelled text was deleted entirely. See comment id #472 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.19.
Cl 03 SC 3.14 P 0 L 0 MyBallot # 582 McCann, Stephen	CI 03 SC 3.22 P 0 L 0 MyBallot # 310 I Kruys, Jan
Comment Type E Comment Status D	Comment Type E Comment Status D The definition of confidentiality is not correct English
SuggestedRemedy change "synchornization" to "synchronization"	SuggestedRemedy Replace with: data confidentiality a property of information that prevents disclosure to unauthorized individuals, entities, or processes.
Proposed Response Response Status W PROPOSED REJECT. The mispelled text was deleted entirely. See comment id #472 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.25. Text was searched for term "confidentiality" and chagned to "data confidentiality" in 5.3, 5.3.1, 5.4, 5.4.3, 5.4.3.3, 5.7.5,
Cl 03 SC 3.18 P 0 L 0 MyBallot # 309 Kruys, Jan Comment State D Comment State Comm	6.1.2, 8.2.3.3.5, 8.3.1, 8.3.3., 8.3.3.1, 8.3.3.3, 8.3.3.4, 8.5.1.2. <i>Cl</i> 03 <i>SC</i> 3.23 <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # <u>311</u> Kruys, Jan
Comment Type T Comment Status D The definition of channel is a description, not a definition. Most of the descriptive material is wrong. The definition of the descriptive material is descriptive material is wrong.	Comment Type E Comment Status D A station may be able to receive at any time.
SuggestedRemedy Replace with: channel: an instance of communications medium use for the purpose of passing protocol data units (PDUs) between two or more stations.	SuggestedRemedy After "transmit": remove "and may be able to receive"
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.18. The associated table was also deleted.	Proposed ResponseResponse StatusWPROPOSED ACCEPT.Editor included in draft 2.0 in 3.22.

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doc: IEEE 802.11-05/0482r2

C/ 03 SC 3.24 P 0 L 0 Watanabe, Fujio	MyBallot # 364	CI 03 SC 3.32 P 0 L 0 MyBallot # 314 Kruys, Jan
Comment Type T Comment Status D There is no definitions of "Point coordinator" in the specificatio	n	Comment Type E Comment Status D Superfluous -see 3.35
SuggestedRemedy Add the definition of Point Coordinator.		SuggestedRemedy Delete
Proposed Response Response Status W PROPOSED ACCEPT. Add: "Point Coordinator: The point coordination function." E		Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change 3.32 "distribution" to "distribution service" definition. Editor included in draft 2.0 in 3.33.
C/ 03 SC 3.26 P 0 L 0 Kruys, Jan	MyBallot # 312	C/ 03 SC 3.35 P 0 L 0 MyBallot # 315 Kruys, Jan
Comment Type E Comment Status D 0 SuggestedRemedy After "deauthentication" add "service"		Comment Type E Comment Status D Too much text for a definition and it is not correct either: APs that use the wireless medium to perform DSS functions would fall outside the original definition. SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.26.		Replace with: distribution system service (DSS): The set of services provided by the distributi system (DS) to transport MAC service data units (MSDUs) between stations comprising the DS.
C/ 03 SC 3.30 P 0 L 0 MyBallot # 313 Kruys, Jan		 Proposed Response Response Status W PROPOSED REJECT. There is no inherent limit on the length of a definition. The list of services is helpful to some readers.
Comment Type E Comment Status D 0		C/ 03 SC 3.4 P 0 L 0 MyBallot # 308 Kruys, Jan
SuggestedRemedy After "dissociation" add "service"		Comment Type E Comment Status D The definition of ad-hoc network is superfluous.
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 3.30.		SuggestedRemedy
		Delete and add a sentence to the IBSS definition that adhoc network is some times used as vernacular for IBSS

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 SC 3.4

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C/ 03 SC 3.4, 3.21, 3.23 P 0 L 0 MyBallot # 548 Hunter, David	C/ 03 SC 3.42 P 0 L 0 MyBallot # 318 Kruys, Jan
Comment Type ER Comment Status D WM is defined in 3.2 and later in its formal entry.	Comment Type T Comment Status D encapsulation is a term with a well defined meaning - whereas the def. only covers the crypto variant.
SuggestedRemedy Use only "WM" or "wireless medium"	SuggestedRemedy Replace with: Cryptographic encapsulation: The process ofà.etc
Proposed Response Response Status W PROPOSED REJECT. The style used is believed to be easy to read and comprehend. It is consistent with all the other subclauses of section 3. Image: Close of the style state	Proposed Response Response Status W PROPOSED ACCEPT. Also fix up the use of "encapsulation" to be "cryptographic encapsulation" throughout the document, as required. Editor included in draft 1.1 in 3.25, 8.2.1.1, 8.2.1.1.4, 8.2.2.3.3, 8.3.2.1.1, 8.3.2.2., 8.3.3.3, 8.7.1, A.4.4.1, H.6.2.
Kruys, Jan Comment Type E Comment Status D EIRP is always determined by tx out and antenna gainà:-) SuggestedRemedy Replace with: effective isotropically radiated power (EIRP): The equivalent power of a transmitted signal in terms of an isotropic (omnidirectional) radiator. The EIRP equals the product of the transmitter power a the antenna gain (reduced by any coupling losses between the transmitter and antenna). Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.40. MyBallot # [317]	Cl 03 SC 3.46 P 0 L 0 MyBallot # 319 Kruys, Jan Comment Type E Comment Status D This is correct but incomplete - the 5GHz band is available world-wide on the same conditions except for the US. However, that will change shortly too. Therefore making this distinction her is useless. SuggestedRemedy Remove "in Europe" here and in all other appearances. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete the definition in 3.46. Other occurrences dealt with in other comments. Editor included in draft 2.0 by deleting 3.46. It will be renumbered wh
Kruys, Jan Comment Type E Comment Status D SuggestedRemedy Delete	revision marks are removed. Cl 03 SC 3.49 P 0 L 0 MyBallot # 320 Kruys, Jan Comment Type E Comment Status D 0
Proposed Response Response Status W PROPOSED REJECT. The term encapsulate and the term encapsulation describe totally different processes in the 802.11 text.	SuggestedRemedy Capitalize "group" and add "-as used in this standard" Proposed Response Response Status W PROPOSED REJECT.

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July 2005 IEEE P802.11REV-am Draft 1.0 Co	mments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl 03 SC 3.5 P 0 L 0 MyBallot # 363 Watanabe, Fujio	C/ 03 SC 3.67 P 0 L 0 MyBallot # 275 Kruys, Jan
Comment Type E Comment Status D	Comment Type T Comment Status D
It seems to me that the definition of "association" states only an infrastructure mode. How abc IBSS case? Is it possible to say "association" if two STAs communicates?	The MIC may use any sort of crypto and therefore the "symmetric" is not appropriate. The explanatory sentences do not belong in the definition section
SuggestedRemedy	SuggestedRemedy
Add the definition of association in IBSS.	message integrity code (MIC): A value generated by a cryptographic function. If the
Proposed Response Response Status W	input data are changed, a new value cannot be correctly computed without knowledge of the cryptographic key(s) used by the cryptographic function.
PROPOSED REJECT. Assication is defined only for a BSS.	Proposed Response Response Status W
C/ 03 SC 3.51 P 0 L 0 MyBallot # 274	PROPOSED ACCEPT. Replace the first 3 sentences with the suggested remedy. Editor included in draft 2.0 in 3.67.
Comment Type E Comment Status D the logic off the (non) capitalization is hard to follow -here and in may other places	Cl 03 SC 3.70 P 0 L 0 MyBallot # 365 Watanabe, Fujio
SuggestedRemedy	Comment Type E Comment Status D
Add a note to the beginning of the Definitions that explains the capitalization.Proposed ResponseResponse StatusW	The definition of "mobile station" seems to be only defined at an infrastructure mode. How about STA in IBSS? Don't we call Mobile Station? Or is STA in IBSS categorized as a Portabl Station?
PROPOSED REJECT.	SuggestedRemedy
CI 03 SC 3.57 P 0 L 0 MyBallot # 99	Add the definition of mobile station in IBSS
Oakes, Ivan	Proposed Response Response Status W
Comment Type E Comment Status D	PROPOSED REJECT. The definition applies equally well to STA being part of a BSS or IBSS
"intergation" should say "integration services"	Cl 03 SC 3.73 P0 L0 MyBallot # 44
SuggestedRemedy	Stephens, Adrian
as comment	Comment Type ER Comment Status D
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.57.	Definitions are not allowed to introduce normative behaviour (2005 style guide). "shall" is reserved for normative behaviour.
	SuggestedRemedy Replace "shall" with "is"
	Proposed Response Response Status W

PROPOSED ACCEPT. Editor included in draft 1.1 in 3.72.

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C/ 03 SC 3.76 Kruys, Jan	P 0	L 0	MyBallot # 276	C/ 03 Godfrey,	SC 3.90 Tim		P 0	L 0	MyBallot # 620
Comment Type E The definition is not a	Comment Status D a complete					Comment d "liveness" in this		iconsistent w	ith the definition of liveness
	rical value used in cryptographic at shall not be reused with that me.			Use	edRemedy a better word t d Response	han "liveness" in th Response S		ion, or modil	y the definition in 3.63, or both
	Response Status W PT. Editor included in draft 1.1 ir	n 3.72.		, PRO comr	POSED ACCE	EPT. Replace the l	ast sentence v dom value is u		to ensure liveness of a e should be one of the inputs
C/ 03 SC 3.85 Kruys, Jan	P 0	L 0	MyBallot # 277	C/ 04 Engwer,	SC 4.		P 0	L 0	MyBallot # 497
Comment Type E The conditional does SuggestedRemedy 3.85 pre-robust secur pair of stations	Comment Status D not make sense rity network association (pre-RS	SNA): Any t	ype of association used by a	Commen After indiv other	<i>at Type</i> TR the combination idual changes, r clauses. This	on of the base star	ndard, the sub solved incons	sistencies be	mendments and more focusec tween the text in this clause a ereof.
	use a 4-Way handshake for es	tablishing a	authentication or association	00	edRemedy olve the incons	sistencies.			
Proposed Response PROPOSED REJEC provided in this same	Response Status W T. Definition makes sense in lig e section.	pht of all the	other RSNA definitions	•		Response S EPT. No inconsiste		een identifie	d by the commenter or the tas
<i>Cl</i> 03 SC 3.86 Kruys, Jan	P 0	L 0	MyBallot # 278	C/ 04 Godfrey,	SC 4. Tim		P 0	L 0	MyBallot # 622
Comment Type E Superfluous	Comment Status D			<i>Commen</i> Defir	nt Type E nition of "LED"	Comment	Status D		
SuggestedRemedy Delete Proposed Response	Response Status W			The	ever, the only i		the standard	l in 11.1.2 do	ED is a "Light Emitting Diode' bes use the phrase "Light
PROPOSED REJEC	T. This term is used in the text	and other d	lefinitions.	Proposed	d Response	Response S	Status W		

PROPOSED ACCEPT. Editor included in draft 1.1 in clause 4 and 11.1.2.

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Cl 04 Godfrey, Tim	SC 4.	P 0	L 0	MyBallot # 621	C/ 05 Stephens, A	SC 5. drian	P 0	L 0	MyBallot # 45
SuggestedRe The com Performa Proposed Re	n of HiperLAN <i>emedy</i> nmon definition ance Radio Lo esponse	Comment Status D I uses the word "ratio", not "radio ns are "High Performance Radio bocal Area Network" Response Status W T. Editor included in draft 1.1 in	o Local Ac	cess Network" or "High	problem These fi Specific	, tion, and par s in understa ctions will ho ally, an archit s. If the inte	Comment Status D ticularly section 5.2 creates a nu- inding the system for implemente pefully be addressed by future a tecture consists of entities for wh rfaces are exposed to the outsid	ers since tl ctivities se nich behav	ne first approved version. eking to clarify architecture. iour is defined connected by
C/ 05 Engwer, Darv Comment Ty		P 0	L 0	MyBallot # 498	betweer single pl	APs and po nysical realized	ution service that provides an at rtals. Unless the only implemen ation or system from a single ma sed and need to be standardised	tations of t anufacture	he entire DS reside within a
After the individua	e combination al changes, th auses. This a	of the base standard, the subse ere remain unresolved inconsis oplies to this clause and all sub-	tencies be	tween the text in this clause a	this, it w	nend that this	s section (and particularly 5.2) ca he heck out of you", or alternativ p xxx".		
Resolve Proposed Re PROPOS group.	the inconsiste esponse SED ACCEPT	Response Status W T. No inconsistencies have bee		·	also des architec purpose	SED REJEC cribes the pla ure in a norm of describing	Response Status W T. This standard describes the l ace of the MAC and PHY in a lan native fashion is beyond the sco g this architecture in a general fa to extend this architecture.	rger archite pe of this s	ecture. Describing the entire standard. Clause 5 has the
Kandala, Srin	/pe TR	P 0 Comment Status D re is not included that were sug	LO	MyBallot # 393	C/ 05 Hunter, Davi Comment Ty		P 0 Comment Status D	L 0	MyBallot # 549
SuggestedRe Add then Proposed Re PROPOS	emedy m. esponse SED REJECT	Response Status W T. IT is not clear to the task grou enter is urged to clarify this in a	up exactly	what is the subject of this	SuggestedR The forn after the Proposed Re	nat for a list o intro (here "l esponse	for a list. of clauses or words (as opposed PHYs:") and remove all of the pe <i>Response Status</i> W 'T. Editor included in draft 1.1 in	eriods, exc	

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 SC 5.1.1.2

C/ 05	SC 5.2	PO	LO	MyBallot # 102	C/ 05 SC 5.2
Oakes, Iva		F U	LU		Hunter, David
	entence "The po	Comment Status D rtal provides the integration se of the portal as a unit or a SAP		een the DS and other LANs."	Comment Type TR C Last sentence before figure members of the BSS.
	ce the sentence	by the definition of Portal as g n service is provided."	iven in 3.84	4 "[The portal is] the logical poi	SuggestedRemedy Replace "it can no longer dir longer be capable of directly
	OSED ACCEPT	Response Status W . Editor included in draft 1.1 in			Proposed Response Re PROPOSED ACCEPT IN PF 3: Delete "BSA" and undelet
C/ 05 Bagby, Dav		P0	L 0	MyBallot # 103	C/ 05 SC 5.2.1 McCann, Stephen
	iguage is chang	Comment Status D ed to BSA (area) but the pic st the ovals as areas?	ill indicates	sets. Was this intentional or	Comment Type E C Text "Figure 1 does not show
Suggested Please	<i>Remedy</i> e make consister	nt.			SuggestedRemedy Figure 1 should be changed
	, OSED REJECT	Response Status W . The text references Figure 1 ves to the concept of basic set			Proposed Response Re PROPOSED ACCEPT IN PF true. However, this can be m simply with a new label. Edi

C/ 05	SC	5.2	P 0		L 0	MyBallot # 574	
McCann,	Stepher	า					
Comment Figure		E s not sho	Comment Status	D			
Suggeste Add E	dReme 3SA to F						
Proposed PROF	,		Response Status		#103. See #10	03 for rational for reject.	

C/ 05	SC 5.2	2	P 0		L 0	MyBallot # 550
Hunter, [_		
Commer Last			omment Status s false: STA mi	-	ble to co	mmunicate with some other
	bers of the			9.11 0 111 20 2		
Suggeste	edRemedy					
						ers of the BSS" with "it may r her members of the BSS".
, PRC		CEPT IN PR	esponse Status RINCIPLE. Rev e "BSS". Editor	erse the cha		ne last sentence of paragraph in 5.2.
C/ 05	SC 5.2	2.1	P 0		L 0	MyBallot # 575
McCann,	Stephen					
Commer Text			omment Status v two IBSSs" is	-	Figure 1	shows BSSs
00	edRemedy re 1 should	be changed	to show IBSSs			
PRC true.	However, t	CEPT IN PF his can be m		e an IBSS is rent in 5.2.1	without	of BSS, then the statement is introducing an identical draw
C/ 05	SC 5.2	2.2	P 0		L 0	MyBallot # 271
Karcz, K	evin					
Commer "syne	<i>t Type</i> I chronisatior	-	omment Status	D		
Suggeste 0	edRemedy					
Propose	d Response	e Re	esponse Status	w		
	POSED RE		ment is unclear.	. However, s	ee comn	nent #474 for change in a

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 SC 5.2.2

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

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Bob O'Hara, Cisco Systems

doc: IEEE 802.11-05/0482r2

July 2005	IE	EEE P802	2.11REV-am Draft 1.0 Cor	nments and resolutions	report by clause	doc:	IEEE 802.11-05/0482r2
<i>Cl</i> 05 <i>SC</i> 5.2.2 Engwer, Darwin	P 0	L 0	MyBallot # 475	C/ 05 SC 5.2.2 Engwer, Darwin	P 0	L 0	MyBallot # 474
Comment Type TR If we intend the term "m that.	Comment Status D nembership in a BSS" to have	some mea	ning, then we need to define	Comment Type ER The word "synchronisa SuggestedRemedy	Comment Status D ation" is not US grammar.		
SuggestedRemedy Clearly define the term	"momborphin"			Change spelling of "sy	nchronisation" to "synchronizat	ion".	
Proposed Response PROPOSED REJECT.	Response Status W			Proposed Response PROPOSED ACCEPT	Response Status W T. Editor included in draft 1.1 in	5.2.2.	
	HDRAWN by the commenter			C/ 05 SC 5.2.3 McCann, Stephen	P 0	L 0	MyBallot # 583
C/ 05 SC 5.2.2 Perahia, Eldad	P 0	L 0	MyBallot # 541	Comment Type E typo last paragraph be	Comment Status D fore 5.2.3.1		
Comment Type E spelling error: "synchror	Comment Status D nisation"			SuggestedRemedy change "unctonrolled"	to "uncontrolled"		
SuggestedRemedy synchronization				Proposed Response PROPOSED REJECT	Response Status W	n to comm	ent #245.
Proposed Response PROPOSED ACCEPT.	Response Status W Duplicate of comment #474.	See #474 fe	or editorial resolution.	C/ 05 SC 5.2.3 Chaplin, Clint	P 0	L 0	MyBallot # 424
Cl 05 SC 5.2.2 Hunter, David	P 0	L 0	MyBallot # 551		Comment Status D 02.11 logically separates the W ne the term WM is used in the s		
Comment Type ER A STA has membership	Comment Status D o *in*, not *of*, a BSS			SuggestedRemedy		tanuaru, pi	ease define here.
SuggestedRemedy				0			
Replace "of" with "in".				Proposed Response	Response Status W	Land The s	
Proposed Response PROPOSED ACCEPT.	Response Status W Editor included in draft 1.1 in	5.2.2.		PROPOSED REJECT	. WM is used in 1.2 and spelled	iout. The f	term is defined in 3.122.

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 Page 16 of 118 7/6/2005 10:15:58 AM C/ 05 SORT ORDER: Clause, Subclause, page, line SC 5.2.3

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C/ 05 SC 5.2.3 P0 L0 MyBallot # 552	C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 592				
Hunter, David	Richard, Paine				
Comment Type ER Comment Status D Using term "provide" in different ways in same sentence	Comment Type E Comment Status D P22L11 misspelled word "unctonrolled"				
SuggestedRemedy Replace "provides" with "enables".	SuggestedRemedy Change "unctonrolled" to "uncontrolled"				
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 5.2.3.	Proposed ResponseResponse StatusWPROPOSED REJECT. Text was deleted by resolution to comment #245.				
C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 443 Myles, Andrew	CI 05 SC 5.2.3 P 0 L 0 MyBallot # 442 Myles, Andrew Image: SC 5.2.3 P 0 L 0 MyBallot # 442				
Comment Type TR Comment Status D Text explains how uncontrolled port frames do not transit the DS unlike other frames.	Comment Type E Comment Status D "unctonrolled" is misspelt				
This may be true but it is not obvious why this fact is called out here	SuggestedRemedy Correct				
SuggestedRemedy Justify the statement that uncontrolled port frames do not transit the DS (at least in a respons to this comment if not the actual text)	Proposed Response Response Status W PROPOSED REJECT. Text was deleted by resolution to comment #245.				
Proposed Response Response Status W PROPOSED ACCEPT. Uncontrolled port frames were introduced in 802.11i. For example, 802.1X frames are terminated within the AP, even though they are addressed as if they should be addressed as if they are addressed as if they ar	C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 594 Newton, Paul				
be forwarded to the DS. (no change to the text of the draft.) No editorial resolution needed. S also comment #245.	Comment Type E Comment Status D Change "An unctonrolled port frame in an RSNA is formatted as if it is to be sent to the DS bu				
Cl 05 SC 5.2.3 P0 L0 MyBallot # 420	does not, in fact, transmit the DS"				
Chaplin, Clint Comment Type E Comment Status	SuggestedRemedy "An uncontrolled port frame in an RSNA is formatted as if it is to be sent to the DS but does not, in fact, transmit the DS"				
Spelling error: "unctonrolled"	Proposed Response Response Status W				
SuggestedRemedy Correct to "uncontrolled"	PROPOSED REJECT. Text was deleted by resolution to comment #245.				
Proposed ResponseResponse StatusWPROPOSED REJECT. Text was deleted by resolution to comment #245.					

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C/ 05 SC 5.2.3	P 0	L 0	MyBallot # 245	C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 124
Edney, Jon Comment Type T New paragraph abou	Comment Status D t "controlled port frame" very co	onfusing and	using undefined terms	Myles, Andrew Comment Type E Comment Status D "unctonrolled" is misspelt
the data's destination	STA address by an associated is the uncontrolled port of the a the authenticator. Note that th	802.1X auth	enticator in which case the da	SuggestedRemedy Correct Proposed Response Response Status W PROPOSED REJECT. Text was deleted by resolution to comment #245.
Proposed Response PROPOSED ACCEP the AP's STA address	Response Status W T IN PRINCIPLE. Change the s by one of the STAs associate	d with it con	ceptually transits the DS	C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 93 Oakes, Ivan
	202.1X Ethertype. 802.1X fram fact transit the DS." Editor inclu P0			Comment Type TR Comment Status D The last sentence on page 21 has been corrected. It would be more consistent it it just re- iterate the AP definition. It would be more consistent it it just re-
Hunter, David Comment Type ER "unctronrolled"	Comment Status D		, <u></u>	SuggestedRemedy Replace the sentence starting "An access pointà" with the definition from 3.2 "[An Access Points] any entity that has station functionality and provides access to the distribution services, v the wireless medium (WM), for associated stations."
SuggestedRemedy Spellcheck				Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.2.3.
Proposed Response PROPOSED REJEC	Response Status W T. Text was deleted by resolution	on to comme	ent #245.	C/ 05 SC 5.2.3 P 0 L 0 MyBallot # 125 Myles, Andrew
<i>Cl</i> 05 SC 5.2.3 Perahia, Eldad	P 0	L 0	MyBallot # 542	Comment Type TR Comment Status D Text explains how uncontrolled port frames do not transit the DS unlike other frames.
Comment Type E spelling error: "unctor	Comment Status D			This may be true but it is not obvious why this fact is called out here SuggestedRemedy
SuggestedRemedy uncontrolled				Justify the statement that uncontrolled port frames do not transit the DS (at least in a response to this comment if not the actual text)
Proposed Response PROPOSED REJEC	Response Status W T. Text was deleted by resolution	on to comme	ent #245.	Proposed Response Response Status W PROPOSED ACCEPT. Uncontrolled port frames were introduced in 802.11i. For example, 802.1X frames are terminated within the AP, even though they are addressed as if they show be forwarded to the DS. (no change to the text of the draft.) This is a duplicate of comment 443. No editorial resource needed. See also comment #245.

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C/ 05 SC 5.2.3, pp. 22 P 22 L 0 MyBallot # 8 Aboba, Bernard	C/ 05 SC 5.2.3.1 P 0 L 0 MyBallot # 466 Yang, Lily				
Comment Type TR Comment Status D	Comment Type TR Comment Status D				
The 2nd paragraph is confusing. Since according to 802.1X all frames go to both the controlle and uncontrolled port, there is no such thing as an "uncontrolled port frame". SuggestedRemedy	Is ESS only the union of all BSS with the same SSID? Figure 3 and 6 seem to suggest that, b the text is very vague. Does ESS include DS as part of it or is ESS only the part of the L2 network that is built on 802.11?				
Change paragraph to: "Data sent to the AP's STA address by one of the STAs associated with	SuggestedRemedy				
it conceptually transits the DS unless it utilizes the 802.1X Ethertype. Therefore such frames must have the "To DS" bit set, even though they do not in fact transit the DS."	Say explicitly what ESS means, in relation to BSS and DS. IS ESS the union of all BSS and D or just the union of BSS?				
Proposed Response Response Status W	Proposed Response Response Status W				
PROPOSED ACCEPT IN PRINCIPLE. Resolved with resolution of comment 245. See #245 for editorial resolution.	PROPOSED ACCEPT. Add to the end of the first paragraph in 5.2.3.1: "An ESS is the union of the BSSs connected by a DS. The ESS does not include the DS." Editor included in draft 2.0 in 5.2.3.1.				
CI 05 SC 5.2.3, pp. 22 P 22 L 0 MyBallot # 7 Aboba, Bernard 7 1 <td< td=""><td>In 3.45: delete "and integrated local area networks (LANs)". Editor included in draft 2.0 in 3.45</td></td<>	In 3.45: delete "and integrated local area networks (LANs)". Editor included in draft 2.0 in 3.45				
Comment Type ER Comment Status D Misspelling.	C/ 05 SC 5.2.3.1 P 0 L 0 MyBallot # 421 Chaplin, Clint				
SuggestedRemedy	Comment Type E Comment Status D				
Change "unctronrolled" to "uncontrolled" throughout the document.	The following: "Two of the most common are when an ad hoc network is operating in a locatic				
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Duplicate. See id #553 for editorial resolution.	that also has an ESS network, and when physically overlapping IEEE 802.11 networks have been set up by different organizations." I would suggest to add the case where two different access and security policies are needed in the same location.				
Cl 05 SC 5.2.3.1 P0 L0 MyBallot # 554	SuggestedRemedy				
Hunter, David	Change to: "Three of the most common are when an ad hoc network is operating in a location				
Comment Type ER Comment Status D "physically disjointed" is not correct English	that also has an ESS network, when physically overlapping IEEE 802.11 networks have been set up by different organizations, and when two or more different access and security policies are needed in the same location."				
SuggestedRemedy	Proposed Response Response Status W				
Replace "disjointed" with "disjoint"	PROPOSED ACCEPT IN PRINCIPLE. Replace the third sentence with "Some examples are				
Proposed Response Response Status W	when an ad hoc network is operating in a location that also has an ESS network, when physically overlapping IEEE 802.11 networks have been set up by different organizations, an				
PROPOSED ACCEPT. Editor included in draft 1.1 in 5.2.3.1.	when two or more different access and security policies are needed in the same location."				

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
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 C/ 05
 SC 5.2.3.1

Ju	ly	20	00	5
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C/ 05 SC 5.2.3.2 P 0 L 0 MyBallot # 367 Watanabe, Fujio	CI 05 SC 5.2.3.2 P 0 L 0 MyBallot # 404 Edwards, Bruce
Comment Type E Comment Status D An access point (AP) always implements	Comment Type ER Comment Status D The expansion of the doubly-nested acronym "CCMP" is too confusing. Also use of the MAC acronym for something other than Medium Access Controller is a bad idea.
SuggestedRemedy An AP always implements	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #422. See comment #422 for editorial resolutio	Explain only the first level of acryonym or all levels with a single phrase. "called Counter mod with Cipherblock chaining with Message authentication code Protocol (CCMP)"
Cl 05 SC 5.2.3.2 P 0 L 0 MyBallot # 556 Hunter, David	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 3.25, 3.80, 3.96, 5.2.3.2, PC34.1.2.1 (Annex A),
Comment Type ER Comment Status D "EAP" is used before it is defined	Cl 05 SC 5.2.3.2 P 0 L 0 MyBallot # 369 Watanabe, Fujio
SuggestedRemedy Switch the usages of "EAP" and "Extensible Authentication Protocol (EAP)". Proposed Response Response Status W	Comment Type E Comment Status D , and a STA always implements a Supplicant PAE and implements the Extensible Authentication Protocol (EAP) peer role.
PROPOSED ACCEPT. Editor included in draft 1.1 in 5.2.3.2.	SuggestedRemedy
C/ 05 SC 5.2.3.2 P 0 L 0 MyBallot # 555 Hunter, David	, and a STA always implements a Supplicant PAE and implements the EAP peer role. <i>Proposed Response Response Status W</i>
Comment Type ER Comment Status D Need period at the end of the list.	PROPOSED ACCEPT. Duplicate of comment #556. See comment #556 for editorial resolution.
SuggestedRemedy Add period after "(TKIP)"	Cl 05 SC 5.2.3.2 P 0 L 0 MyBallot # 368 Watanabe, Fujio P 0 L 0 MyBallot # 368
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.2.3.2.	Comment Type E Comment Status D implements the EAP Authenticator roles, and
	SuggestedRemedy implements the Extensible Authentication Protocol (EAP) Authenticator role
	Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #556. See comment #556 for editorial resolution

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 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 SC 5.2.3.2

C/ 05 SC 5.2.3.2 Chaplin, Clint	P 0	L 0	MyBallot # 422	C/ 05 Oakes, Iva	SC 5.2.4	P 0	L 0	MyBallot # 72
Comment Type E I was going to complain t across this section, which base standard will point of at this particular point. For expanded here. SuggestedRemedy 0 Proposed Response PROPOSED ACCEPT. E	a goes too far in the oppos but areas like this, where it or instance, this is not the <i>Response Status</i> W	ite direction. is no longer first use of th in 5.2.3.2 and	d searched document for any	Comment This suggested Delete Proposed PROP unders explain Cl 05	Type TR ection is iireleva Remedy e section 5.2.4 "A Response OSED REJECT stand the vague n why the standa SC 5.3	Comment Status D nt to the specification, remove area Concepts" including the Response Status W . This section is informative i and time varying aspects of v ard uses set, rather than area	diagram n nature an vireless con	munication. It also helps to
f 05 SC 5.2.3.2 haplin, Clint <i>comment Type</i> TR "a STA always implemen	P 0 Comment Status D ts a Supplicant PAE and ir	L 0	<i>MyBallot</i> # 423 The Extensible Authentication t not all STAs are APs. AP	Suggested retain	<i>Type</i> TR st sentence is co <i>IRemedy</i> the last three se	ntences of the first paragraph	1	
STAs do not implement a				, PROP		Response Status W . Restore the deleted paragr		t paragraph of 5.3), except f
STAs do not implement a SuggestedRemedy Change to: "a non-AP ST Extensible Authentication Proposed Response	supplicant PAEà. A always implements a Si Protocol (EAP) peer role. <i>Response Status</i> W		E and implements the	PROP the firs <i>Cl</i> 05 Hunter, Da	OSED ACCEPT st sentence. Edit SC 5.3	. Restore the deleted paragr or included in draft 1.1 in 5.3. P 0		t paragraph of 5.3), except fo <i>MyBallot</i> # 557
STAs do not implement a SuggestedRemedy Change to: "a non-AP ST Extensible Authentication Proposed Response	Supplicant PAEà. A always implements a Si Protocol (EAP) peer role. <i>Response Status</i> W ditor included in draft 1.1 i		E and implements the <i>MyBallot</i> # 9	PROP the firs Cl 05 Hunter, Da Comment Need Suggested	OSED ACCEPT st sentence. Edit SC 5.3 wid Type ER period at the end	Restore the deleted paragr or included in draft 1.1 in 5.3. P 0 <i>Comment Status</i> D d of the list.		

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:58 AM C/ 05

C/ 05 SC 5.3

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

CI 05 SC 5.3 P 0 L 0 MyBallot # 563 Odman, Knut	C/ 05 SC 5.3 P 0 L 0 MyBallot # 558 Hunter, David 558
Comment Type E Comment Status D Page 27, Last sentence in 5.3: "DS" should be omitted	Comment Type E Comment Status D Misused m-dashes make it appear as if the word between the m-dashes are a single clause
SuggestedRemedy Delete the old "DS" before new "the DSS"	SuggestedRemedy Replace m-dashes with parens.
Proposed Response Response Status W PROPOSED REJECT. The text was rewritten to be more direct. See comment #558.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The text has been rewritten to be more direct. Editor included in draft 1.1 in 5.3.
C/ 05 SC 5.3 P 0 L 0 MyBallot # 104 Bagby, David	C/ 05 SC 5.3.1 P 0 L 0 MyBallot # 559 Hunter, David 559 5
Comment Type TR Comment Status D why was the first paragraph removed? Was it there an error in the paragraph or did someone just feel it was unnecessary?	Comment Type ER Comment Status D Need period at the end of the list.
SuggestedRemedy I would like to see the paragraph remain.	SuggestedRemedy Add period after "TPC"
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate of 476. See #476 for editorial resolution.	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 5.3.1.
C/ 05 SC 5.3 P 0 L 0 MyBallot # 105 Bagby, David	C/ 05 SC 5.3.2 P 0 L 0 MyBallot # 560 Hunter, David
Comment Type TR Comment Status D why was the first paragraph removed? Was it there an error in the paragraph or did someone	Comment Type ER Comment Status D Need period at the end of the list.
just feel it was unnecessary? SuggestedRemedy	SuggestedRemedy Add period after "Reassociation"
Retain the paragraph Proposed Response Response Status W	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.3.2.

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 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn

 SORT ORDER:
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 05
 SC 5.3.2

July 2005 IEEE P802.11REV-am Draft 1.0 Cor	nments and resolutions report by clause doc: IEEE 802.11-05/0482r2
C/ 05 SC 5.3.2 P 0 L 0 MyBallot # 616	C/ 05 SC 5.4 P 0 L 0 MyBallot # 477 Engwer, Darwin
Comment Type E Comment Status D 05/105r4 wording is slightly different for the first sentence in the 2nd paragraph.	Comment Type TR Comment Status D paragraph 5: Inconsistent terminology
SuggestedRemedy Follow 05/105r4 wording: "This service is represented in the IEEE 802.11 architecture by arrows within the APs, indicating that the service is used to cross media and possibly address space boundaries. Proposed Response Response Status W PROPOSED ACCEPT. The work possibly was added. Editor included in draft 1.1 in 5.3.2.	SuggestedRemedy change "MAC management service data path" to "MAC management service path". Proposed Response Response Status PROPOSED ACCEPT. Editor included in draft 1.1 in 5.4. CI 05 SC 5.4.1.1 P0 L 0 MyBallot # 561
Cl 05 SC 5.3.3 P 0 L 0 MyBallot # 467	Hunter, David Comment Type ER Comment Status D Since "DSS" is defined as a singular "group service" then the reference to "a DSS" is incorrect
This clause makes more sense if it is after 5.4 with more explaination of what DSS means. SuggestedRemedy Combine 5.3 and 5.4 into one clause, and reorder such that the content of 5.3.3 is after the overview of the servcices are presented. Proposed Response Response Status	SuggestedRemedy Replace "a DSS" with "the DSS" Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.4.1.1. Cl 05 SC 5.4.1.2 P0 L 0 MyBallot # 562
PROPOSED ACCEPT IN PRINCIPLE. The sectoin 5.3.3 was moved to a new sub-clause the follows 5.4. Editor included in draft 1.1 in new sub-clause 5.5. 7/05 SC 5.3.3 P 0 L 0 MyBallot # 106 agby, David P 0 L 0 MyBallot # 106	Hunter, David <i>Comment Type</i> ER <i>Comment Status</i> D Since "DSS" is defined as a singular "group service" then the reference to "a DSS" is incorrec
Comment Type TR Comment Status D I think these changes are incorrect. The effect of the language change is to couple the address space to be an attribute of the DSM. However, this is coupling is too strict. Consider a DS operating at the IP layer: IP runs ôoverö enet û the DSM address space is that of enet, but the address space of the DS is IP. I think the section really did want to say DS and not DSM as	SuggestedRemedy Replace "a DSS" with "one of the services in the DSS" Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.4.1.2, 5.4.2.2, 5.4.2.3, 5.4.2.4.
changed. SuggestedRemedy put back to "DS"	Cl 05 SC 5.4.3.2 P D L 0 MyBallot # 46 Stephens, Adrian Comment Type E Comment Status D
Proposed Response Response Status W PROPOSED ACCEPT. Reverse the changes from DS to DSM in paragraphs 4 and 5. Editor included in draft 1.1 in 5.5.	"à BSS and IBSS RSNAs à" mistakenly implies that BSS is specific to the infrastructure BSS SuggestedRemedy Replace with "infrastructure and independent BSS RSNAs"
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Sentence was rewritten to clarify. Editor included in draft 1.1 in 5.4.3.1.
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/wr SORT ORDER: Clause, Subclause, page, line	

C/ 05 SC 5.4.3.2 P 0 L 0 MyBallot # 534 Jalfon, Marc	C/ 05 S Oakes, Ivan	SC 5.4.4.2	P 0	L 0	MyBallot # 74
Comment Type E Comment Status D "à BSS and IBSS RSNAs à" mistakenly implies that BSS is specific to the infrastructure BSS.	Comment Typ The first p		Comment Status D adds nothing and may be incor	nplete give	en recent FCC rulings.
SuggestedRemedy Replace with "infrastructure and independent BSS RSNAs"	SuggestedRer Remove 1	•	o of 5.4.4.2 starting "ERC/DEC/	(99)23à"	
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Sentence rewritte to avoid the misinterpretation. Editor included in draft 1.1 in 5.4.3.2		ED ACCEPT	Response Status W IN PRINCIPLE. Replace the r y require". Editor included in dr		
C/ 05 SC 5.4.3.3 P 0 L 0 MyBallot # 539	C/ 05 S Mike, Moreton	SC 5.5	P 0	L 0	MyBallot # 193
The last paragraph of clause 5.4.3.3 indicates that data frames which are discarded due to confidentiality service failures are still acknowledged on the WM if they pass the FCS check. did not find this behavior defined elsewhere in the spec. Since I thought that Clause 5 did not contain normative text, I felt this behavior should be defined in either Clause 8 or perhaps in Clause 9.2.8 (ACK procedure) SuggestedRemedy Add normative text describing ACK procedure for frames discarded for failure of confidentiality	SuggestedRer Change to Proposed Res PROPOSI	medy 2. ponse ED ACCEPT	ullet a) is labelled "6". <i>Response Status</i> W . Editor included in draft 1.1 in c Frame text.	5.5. Not s	hown with change bars
service. Proposed Response Response Status W PROPOSED REJECT. The ACK procedure in 9.2.8 is clear in that all frames with correct FCS are acknowledged. No additional text is required.	Edwards, Bruc Comment Typ	e E	P 0 Comment Status D	L 0	MyBallot # 405
CI 05 SC 5.4.4.1 P 0 L 0 MyBallot # 73 Oakes, Ivan	completely	/ deleted. It p	lass 3 frames should renumber probably is just a text processo		
Comment Type TR Comment Status D	SuggestedRer Make the	,			
The first paragraph of adds nothing and may be incomplete given recent FCC rulings.	Proposed Res		Response Status W		
SuggestedRemedy Remove 1st paragraph of 5.4.4.1 starting "ERC/DEC/(99)23à"			. Numbering is not updated ur ey remain with revision marks,		
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace the reference to ERC/DEC/(99)23 with			th updated numbering.		.

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 Page 24 of 118 7/6/2005 10:15:58 AM C/ **05** SC 5.5 SORT ORDER: Clause, Subclause, page, line

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CI 05 SC 5.5	P 0	L 0	MyBallot # 142	C/ 05	SC 5.5	P 0	L 0	MyBallot # 565	
Visscher, Bert				Odman, K	lnut				
Comment Type T				Comment	• •	Comment Status D			
	ntations WDS frames are accepted association procedure.	d between S	STA's (i.e. AP's) without having			anagement frames. Isn't it s lisassociation? Compare 5.4			٦
SuggestedRemedy				Suggeste	dRemedy				
Add an explicit note indicating that WDS frames must result in a deauthenticate notification				Reins	tate text.				
unless both peers have established a state 3 relationship with each other.					Response	Response Status W			
	Response Status W ECT. The standard is clear on wh must deauthenticate another STA					. The text has not been del sending class 1, 2 and 3 fra		ved to class 1. The eff	ect is the
				C/ 05	SC 5.5	P 0	L 0	MyBallot # 192	
C/ 05 SC 5.5	P 0	L 0	MyBallot # 246	Mike, Mor	reton				
Edney, Jon				Comment	Type TR	Comment Status D			
Comment Type TI				The a	dditions to bullet	a) 6) iv) make it a bit tautol	ogical.		
	ta frames as class 1 frames has b urthermore, it removes a potential			Suggeste	dRemedy				
	this change and, furthermore, it removes a potentially useful method by which stations might i future communicate to the SME of an AP without transiting the DS (there is already a precede for this)				ove all the new te es disassociation	ext after (but NOT including) as well,"	"Deauthentic	cation notification when	n in State
SuggestedRemedy				Proposed	Response	Response Status W			
Remove the word	s "in an IBSS"			PROF	POSED ACCEPT	. Editor included in draft 1.	1 in 5.6.		
Proposed Response	Response Status W				00 5 5	Do	1.0		
PROPOSED REJ	ECT. The cited sentence refers o nd FromDS equal to zero). Addin			<i>CI</i> 05 Oakes, Iv	SC 5.5 an	P 0	L 0	MyBallot # 75	
this. If the comm	enter disagrees, please provide m			Comment	Type TR	Comment Status D			
not cited in your c	omment.					s can be sent as class 1 fra			
C/ 05 SC 5.5 Bagby, David	P 0	L 0	MyBallot # 107			nce of the STA before author dures does this cover?	entication, the	en the frame must be fr	om STA
• • •	Comment Status D			Suggeste					
	the class 1 list in a) 6) really be nu	umbered a)	2) to make the outline format	Move	action frames to	Class 3 for infratsructure a	nd however le	eave as class 1 for IBS	SS.
) shouldnÆt the removal of 2) cau			Proposed	Response	Response Status W			
SuggestedRemedy				PROF	POSED ACCEPT	. Editor included in draft 1.	1 in 5.6.		
correct as require	d								
Proposed Response	Response Status W								
PROPOSED ACC items delete is a r	EPT. Duplicate of comment #193 numbered list are actually removed updated. Numbering is updated in	d. If they rer	nain with revision marks, the li						
COMMENT STATUS:	equired ER/editorial required GR/ D/dispatched A/accepted R/reje use, Subclause, page, line				d U/unsatisfied	Z/withdrawn 7/6/2005	10:15:58 AM	Page 25 of 118 C/ 05 SC 5.	.5

Bob O'Hara, Cisco Systems

CI 05 SC 5.5 Watanabe, Fujio	P 0	L 0	MyBallot # 370	Cl 05 Stephens,	SC 5.7 Adrian	P 0	L 0	MyBallot # 47
Comment Type E a) Class 1 framesà. 6) SuggestedRemedy Change to 2) Manage Proposed Response	Comment Status D Management frames -> 6) is a ment frames <i>Response Status</i> W	wrong nu	mber	incom the fra	ways wonde plete and ab ame formats o confusion.		e formats. Muc	riptions of messages are an h information that is present i s out are not clear, which wil
, ,	. Duplicate of comment #193. S	See #193 f	or editorial resolution.	00	ve section 5	7		
C/ 05 SC 5.5 Odman, Knut	P 0	L 0	MyBallot # 564	PROF		Response Status W EPT. Editor included in draft revision marks are removed		5.8. Sub-clauses will be
Comment Type T Page 37, item b) 1) iii)	Comment Status D Disassociation. Belongs to c) c	lass 3.		C/ 05 Ecclesine	SC 5.7.8	P 0	L 0	MyBallot # 149
SuggestedRemedy Move item to c) class Proposed Response	3. Response Status W			Comment Direct	<i>Type</i> E ion of Messa	Comment Status D Ige is given as a separate thi appears as Measurement Re		Information item' in Amendme
PROPOSED REJECT. It appears that the commenter is confused between "class 2" and "state 2". If a class 3 frame (a data frame) is received from a STA while in State 2 (authenticated but not associated), the receiving STA is to send a disassociation frame, to				Suggeste	dRemedy	of message' to be fourth 'Info		
	ng STA to state 2. Moving this t deauthentication, which is not de		would allow the only response	Proposed Response Response Status W PROPOSED REJECT. The editor believes the consisten format across sub-clause 5.8 is				t across sub-clause 5.8 is
Cl 05 SC 5.5 Ecclesine, Peter	P 0	L 0	MyBallot # 148	useful. The editor does not see the format as reflecting the format of the fr		nat of the frames specifically.		
Comment Type E a) Management Frame	Comment Status D es numbered '6' instead of '2'							
SuggestedRemedy change to '2'								
Proposed Response	Response Status W	`~~ #102 f	for aditorial resolution					

PROPOSED ACCEPT. Duplicate of comment #193. See #193 for editorial resolution.

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 SC 5.7.8

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 C/ 05
 SC 5.7.8

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doc: IEEE 802.11-05/0482r2

C/ 05 SC 5.8 P 0 L 0 MyBallot # 468 Yang, Lily	C/ 05 SC 5.9.2.1 P 0 L 0 MyBallot # 126 Myles, Andrew				
Yang, Lily Comment Type TR Comment Status D Figure 11 graphic ambiguity: the vertical line between MAC sublayer and MAC Sublayer Management Entity goes above the horizontal line of "MAC_SAP", why? On the right hand sic The Station Management Entity is not a fully enclosed box: Is 802.1X Authenticator/Supplicar part of SME or not? If it is, then why is it not fully enclosed, and why is it drawn above the invisible horizontal line extended from "MAC_SAP"? If it is not part of SME, then we should clearly depict it that way, with interface between SME and it clearly marked. SuggestedRemedy Fix the graphic to match the actual meaning. The text can use some more clarification too if it not obvious from the graph. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete the vertical line extending above the MAC sublayer and MAC Sublayer Management Entity. Draw a single block above the MAC Data SAP, extending above bothe the MAC Sublayer and MAC Sublayer Management Entity and	Myles, Andrew Comment Type E Comment Status D "Anonce" in Figure 14 is incorrect font size SuggestedRemedy Correct Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #444. See #444 for editorial resolution. Cl 05 SC 5.9.2.1 P 0 L 0 MyBallot # 444 Myles, Andrew Comment Type E Comment Status D "Anonce" in Figure 14 is incorrect font size SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy				
label it "802.1X". Delete the box labled "802.1X Authenticator/Supplicant". Editor included in draft 1.1 in 5.9 Figure 11. C/ 05 SC 5.9 P 0 L 0 MyBallot # 78 Oakes, Ivan	Correct Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in Figure 14 of 5.10.2.1. C/ 05 SC 5.9.2.1 P 0 L 0 MyBallot # 478				
Comment Type TR Comment Status D	Engwer, Darwin				
It is unclear how the Controlled Port gets blocked after being Unblocked.	Comment Type ER Comment Status D				
	Figure 12 represents the first use of a Message Sequence Chart (MSC) within the revised draft. Needs an explanation of the diagram syntax.				
SuggestedRemedy	draft. Needs an explanation of the diagram syntax.				
Add a new section after 5.9.2.2 "Disassociation" with the contents "Disassociation instigated t either end of the link causes the installed PTK and, on a non-AP STA, the GTK keys to be	SuggestedRemedy				
Add a new section after 5.9.2.2 "Disassociation" with the contents "Disassociation instigated the either end of the link causes the installed PTK and, on a non-AP STA, the GTK keys to be removed from IEEE 802.11 and the Controlled Port to become Blocked. All subsequant MSDUs transmitted and received between the peers are not encrypted or decrypted." Proposed Response Response Status W					
Add a new section after 5.9.2.2 "Disassociation" with the contents "Disassociation instigated t either end of the link causes the installed PTK and, on a non-AP STA, the GTK keys to be removed from IEEE 802.11 and the Controlled Port to become Blocked. All subsequant MSDUs transmitted and received between the peers are not encrypted or decrypted."	SuggestedRemedy Add description of MSC syntax, i.e. entities at the top, messages/ events between the entitie with time increasing from top to bottom. Even better would be to (also) cite a definitive reference document/ standard for this type of diagram (i.e. some ISO standard document) ar				

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 Page 27 of 118 7/6/2005 10:15:58 AM C/ 05 SORT ORDER: Clause, Subclause, page, line SC 5.9.2.1

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C/ 05 SC 5.9.2.1 P 0 L 0 MyBallot # 77	CI 05 SC 5.9.3 P 0 L 0 MyBallot # 79 Oakes, Ivan
Comment Type TR Comment Status D It is unclear if the uncontrolled port MSDUs (i.e. EAPOL frames) are themselves encrypted once the PTK and GTK keys are installed. SuggestedRemedy Add a sentence "Installing the PTK, and where applicable the GTK keys, causes the MAC to encrypt and decrypt all subsequant MSDUs irrespective of their path through the controlled or uncontrolled ports." Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.10.2.1. C/ 05 SC 5.9.2.1	Comment Type TR Comment Status D security 5.9.3.1 suggests a STA must authenticate in an IBSS before EAPOL key exchange, thus allowing de-auth later. If not, then 5.9.3.1 implies de-auth with out auth? Further in an IBSS, can be assumed the link will make and break often. It is unclear how this is handled, i.e. whether the keys persist and how recovery may be achieved if one end is reset but not the other, i.e. one end is encrypted but not the other. SuggestedRemedy Add a sentence or two to 5.9.3.1 "In an IBSS, the 4-way handshake may follow 802.11 authentication of one STA to another. Such authentication may be used by the peer to unins the PTK key and Block the Controlled Port thus reseting any previous handshake." Proposed Response Response Status W
Dakes, Ivan Comment Type E Comment Status D Figure 12 and 13 used the term "blocked", this can be read to mean the action "block the port now". I suggest making this clearer by adding the word "remains" SuggestedRemedy Changed "Blocked" to "Remains Blocked" in Figure 12 and 13. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Remove the two boxes from the bottom of the lines in Figure 12 and put one of them back, centered below the figure. Editor included in draft 2.0 in 5.9.2.1. This is not shown by change bars.	PROPOSED ACCEPT. Editor included in draft 1.1 in 5.10.3.1. Cl 05 SC 5.9.4 P 0 L 0 MyBallot # 535 Jalfon, Marc Comment Type E Comment Status D "protocol must support". Use of "must" is deprecated. SuggestedRemedy Replace with an alternative, e.g. should Proposed Response Response Status W PROPOSED ACCEPT. Duplicate comment to #49. See #40 for editorial resolution.
CI 05 SC 5.9.2.1, pp. 44 P 44 L 0 MyBallot # 10 Aboba, Bernard Comment Type ER Comment Status D Awkward separation of 4-way handshake functionality list. SuggestedRemedy Move "Confirm the cipher suite selection" to before Figure 13 (ideally on page 43). Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.9.2.1. Paragraphs in questioned marked to keep together. Not shown with change bars because change in internal to Frame paragraph format.	CI 05 SC 5.9.4 P 0 L 0 MyBallot # [49] Stephens, Adrian Comment Type E Comment Status D "protocol must support". Use of "must" is deprecated. SuggestedRemedy Replace with an alternative, e.g. should Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 5.10.4.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ 05
 SC 5.9.4

July 2005 IEEE P802.11REV-am Draft 1	.0 Comments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl 06 SC 6. P 0 L 0 MyBallot # 499 Engwer, Darwin	C/ 06 SC 6.1.5 P 0 L 0 MyBallot # 143 Visscher, Bert Viss
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focurindividual changes, there remain unresolved inconsistencies between the text in this clause other clauses. This applies to this clause and all subclauses thereof.	
SuggestedRemedy Resolve the inconsistencies. Proposed Response Response Status W	SuggestedRemedy Add that 802.1X frames will also be discarded if the destination address is unequal to the authenticator address.
PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task of Cl 06 SC 6.1.2 P 0 L 0 MyBallot # 431	group Proposed Response Response Status W PROPOSED REJECT. All 802.1X frames will be processed by the privacy function. There is no bypassing it. The handling of misaddressed 802.1X frames is an issue for 802.1X.
Raissinia, Ali Comment Type E Comment Status D 802.11 WEP, TKIP and CCMP provide "privacy" protection SuggestedRemedy	C/ 06 SC 6.2.1.1.2 P 0 L 0 MyBallot # 479 Engwer, Darwin Comment Type TR Comment Status D incorrect direction indicated in text
Add the word Privacy prior to protection Proposed Response Response Status W PROPOSED REJECT. The words confidentiality appear just priot to this sentence. The editor believes the meaning in this context is clear without introducing further terms. The editor researched the words privacy and protection within the 802.11 in coming to this response	parameter specifies an individual MAC sublayer address of the sublayer entity from which the
Cl 06 SC 6.1.5 P 0 L 0 MyBallot # 80 Oakes, Ivan	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 6.2.1.1.2.
Comment Type E Comment Status D logical "or" should be "and" in "The IEEE 802.1X Controlled/Uncontrolled Ports discard the MSDU if the Controlled Port is not enabled or if the MSDU does not represent an IEEE 802 frame." SuggestedRemedy change "or" to "and" Response Status W	
PROPOSED ACCEPT. Editor included in draft 1.1 in 6.1.5.	Proposed Response Response Status W PROPOSED REJECT. There is no such sectoin 6.3.1 and the editor could not find a similar

PROPOSED REJECT. There is no such sectoin 6.3.1 and the editor could not find a similar section in 6 to which the comment applies.

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 10:15:58 AM
 C/ 06
 SC 6.3.1

Bob O'Hara, Cisco Systems

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llot # 536	My	L 0	P 0		C 7.1.3.1	SC Marc	C/ Jal	llot # 51	MyE	L 0	P 0			SC s, Adrian	Cl 07 Stepher
			nt Status D	Comment	Е	ent Type					tus D	Comment Sta	ER	nt Type	·
rmation is distribute g).			id in certain type on 7.1.3.1 (and		the subsecti	oughout t		5 7.3.2.21.1).	as far	ection 7 (got	shall"s in s	n should describ I reached 120 ' STAs update th	unting whe	ve up cou	l ga
					•	stedReme	Su	which has not	spriate.	ing as appr		PS-Poll frame for			
cessary, but they c	bes are		which uses are i									limmed down to e to the architect			
			e Status W	Response	onse	ed Respo	Pro						edy	edReme	Sugges
or review by the tas t the criteria provide					e task group			aviour into the	ibing b	ıy text descr	'. Move a	of the word "shall		n section opriate s	
llot # 50	Mv	LO	PO		C 7.1.3.1	SC	CI	s can be done	rmat, t	use of the fo	aint in the	ntroduce a const	is used to	re shall i	
	,	-•				ns, Adria	-								"is"
			nt Status D	Comment	Е	ent Type	Co	ive descritaion	o norm	n anainst th		<i>Response Sta</i> There is no knov		d Respoi	•
prmation is distribute g).			id in certain type on 7.1.3.1 (and							0				ion.	sec
					ledy	tedReme	Su	llot # 500	MyE	L 0	P 0		; 7.	SC	C/ 07 -
cessary, but they c	pes are		sus type (I don't which uses are i								tus D	Comment Sta	TR	Darwin nt Type	U
or review by the tas t the criteria provide				The commen	D REJECT.		Pro		tween t	istencies be	ved incons	the base standa e remain unreso lies to this claus	anges, the	idual cha	ind
						the comm							edy	edReme	Sugges
llot # 282	My	LO	P 0		C 7.1.3.1.9	SC	CI					cies.	inconsister	olve the i	Re
	,					Jan	Kru				us W	Response Sta	onse	d Respoi	ropos
			nt Status D	Comment	т	ent Type	Co	enter or the task	ie comr	entified by th	ies were id	No inconsistend	ACCEPT.	POSED	PR
restriction here doe n easier.			ertain message adding in the r												
					ledy	tedReme	Su								
				The Protected											
ames of subtype	igement			-	ion.	henticatio									
							Pri								
ut of scope for this	N and is	ask Group V		,											
ut of 0 of	Page	ask Group V		<i>Response</i> This is being	ted Frame fi oonse D REJECT.	e Protecte ed Respo OPOSED ision.	/general				ted R/reje	ER/editorial re batched A/acce ubclause, page,	TUS: D/dis	NT STAT	COMM

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

CI 07	SC 7.1.3.3.2	P 0	L 0	MyBallot # 108
Bagby, Da	avid			
Comment	t Type TR	Comment Status D		
better	r to say ôAll ones s	hall be interpretedàö		
Suggeste	dRemedy			
Chan	ge as suggested			
Proposea	l Response	Response Status W		
		This is a descriptive paraget nall" is not appropriate he		t specifying a normative
C/ 07	SC 7.1.3.7	P 0	L 0	MyBallot # 432
Raissinia,	, Ali			
Comment	t Type E	Comment Status D		
The F	Figure 37 and table	-19 should be moved und	er this section	and not under 7.1.3.8
Suggeste	dRemedy			
Move	the diagram			
Proposea	l Response	Response Status W		
•	•		s not exist in th	ne draft. The pagination is
				The editor has coded the
		stay together in future (w		event the split that the 1 in 7.3.1.7 & 7.3.1.8, but thei
				nation moves from draft to dra

CI 07	SC 7.2.1.1	P 0	L 0	MyBallot # 84	

ikes, Ivan

Comment Type TR Comment Status D

In the text for management, data and PS-Poll frames, there is specific text for setting NAV. This text is not present for RTS/CTS or ACK. This is misleading as it would suggest NAV should be processed for data, mgt and PS-Poll but not for these other frames types. I believe this to be wrong. I believe NAV should be processed for all frames types irrespective of type, and using a uniform rule. 9.2.5.4 gives almost the complete rule, but neglects the 32768 valu 7.1.3.2 mentions 32768 but neglects to mention the address rule. The PS-Poll text indicates even the receiving STA sets its NAV which is inconsistent. It also requires to knowledge of th duration of the ACK and SIFS which will depend on the basic rate set and operating mode an may not be known by all STAs. The SDL gives a good summary (page 721):"Update NAV using Duration/ID value from frames to all other stations. Else case is for Durld=32768 in the CF period". It would make the text very much clearer if there were only one statement, my suggestion is to remove the incomplete rule, dropping any special case for PS-Poll.

SuggestedRemedy

In 9.2.5.4 Add the text add to the end first sentance "but shall be left unchanged if the Duration/ID is equal to 32768 or codes an AID". In 7.1.3.2 Remove the words "When the contents of the duration/ID field are less than 32768, ". In 7.2.1.4 remove the text "AII STAs, upon receipt of a PS-Poll frame, update their NAV settings as appropriate under the coordination function rules using a duration value equal to the time, in microseconds, requirec to transmit one ACK frame plus one SIFS interval". Remove the last sentance from 7.2.2 "All Stations..." and similarly from 7.2.3 in the 3rd last paragraph.

Proposed Response Response Status W

PROPOSED REJECT. The text in 9.2.5.4 does not adeqautely cover all that the commenter proposed to remove from clause 7.

C/ 07	SC 7.2.1.2	P 0	L 0	MyBallot # 623
Godfrey, Tim	I			

canoy,

Comment Type T Comment Status D

This section does not specify how the RA field is to be set when the CTS is the first frame in the exchange.

SuggestedRemedy

Specify that the RA field is the address of the STA transmitting the frame in the last paragraph

Proposed Response Response Status W

PROPOSED ACCEPT. Add the following sentence to the paragraph after the figure: "When the CTS is the first frame in a frame exchange, the RA field is set to the MAC address of the transmitter." Change the first sentence from "The RA field..." to "When the CTS frame follow an RTS frame, the RA field..." Editor included in draft 2.0 in 7.2.1.2.

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 SC 7.2.1.2

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CI 07 SC 7.2.2 P 0 L 0 MyBallot # 247 Edney, Jon	C/ 07 SC 7.2.2 P 0 L 0 MyBallot # 194 Mike, Moreton
Comment Type T Comment Status D "to ensure that the broadcast or multicast originated in the same BSS to which the station is associated." This text is wrong since the rule also applies for IBSS	Comment Type T Comment Status D I'd just like to express my immense appreciation to the group for the additions to table 4. This was a huge logical hole that made other descriptions much more complex than they needed t be.
SuggestedRemedy originated from a STA in the BSS for which the receiving STA is a member	SuggestedRemedy None.
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 7.2.2.	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Nothing for the editor to resolve.
Cl 07 SC 7.2.2 P 0 L 0 MyBallot # 81	C/ 07 SC 7.2.3 P 0 L 0 MyBallot # 85 Oakes, Ivan
Comment Type TR Comment Status D Paragraph below table 4: "Association" has a specific meaning in 802.11. Using the term her may cause confusion as there is no association in an IBSS. SuggestedRemedy Replace the words "to which the station is associated" with "to which the STA is joined" Proposed Response Response Status W	Comment Type TR Comment Status D I welcome the addition explicitly of the vendor specific elements, but would like a limit on the length of the resulting MMPDU in order that implementations may have some bounds to design to. SuggestedRemedy Add at the end of section 7.2.3: "Where Vendor Specific elements are added to Management frames, the total MMPDU frame body shall not exceed 1500 bytes."
PROPOSED ACCEPT IN PRINCIPLE. Resolved by the resolution of comment 247. See "#24 for editorial resolution.	Proposed Response Response Status W PROPOSED REJECT. The length of the MMPDU is limited by the maximum MSDU size
Cl 07 SC 7.2.2 P 0 L 0 MyBallot # 195	(which limits the length of the frame body of all frames). See 7.1.3.5.
Mike, Moreton Comment Type TR Comment Status D "to ensure that the broadcast or multicast originated in the same BSS to which the station is associated" - a STA isn't associated with an IBSS, and broadcast frames may originate in another BSS across the DS.	CI 07 SC 7.2.3 P 0 L 0 MyBallot # 371 Watanabe, Fujio Comment Type E Comment Status D the BSSID also is validated to ensure that the brocastàThis sententce has grammatical error.
SuggestedRemedy "to ensure that it was transmitted by another member of the same BSS".	SuggestedRemedy the BSSID is also validated to ensure
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Resolved by the resolution of comment 247. See comment #247 for editorial resolution.	Proposed Response Response Status W PROPOSED REJECT. Text was mofified in other ways. See #248.

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 SC 7.2.3

doc: IEEE 802.11-05/0482r2

CI 07	SC 7.2.3	P 0	L 0	MyBallot # 248
Edney, J	on			
Commen	nt Type T	Comment Status D		
or m	nsure that the bro ulticast originated e the rule also app	in the same BSS to which	the station is a	ssociated." This text is wrong
00	edRemedy nated from a STA	in the BSS for which the re	eceiving STA is	a member
U	d Response	Response Status W	0	
		. Editor included in draft 1	.1 in 7.2.3.	
C/ 07	SC 7.2.3	P 0	LO	MyBallot # 82
Oakes, Iv		FU	20	My Dallot # 62
Commen		Comment Status D		
here	may cause confu	sion as there is no associa	ation in an IBSS	In addition action frames m
be se		ation according to 5.5.		. In addition action frames in
be se Suggeste	ent without associ edRemedy			
be se Suggeste Repl Proposee PRO	ent without associ edRemedy ace the words "to d Response	ation according to 5.5. which the station is assoc <i>Response Status</i> W IN PRINCIPLE. Resolver	iated" with "to v	
be se Suggeste Repl Proposee PRO	ent without associ edRemedy ace the words "to d Response POSED ACCEPT	ation according to 5.5. which the station is assoc <i>Response Status</i> W IN PRINCIPLE. Resolver	iated" with "to v	vhich the STA is joined"
be se Suggeste Repl Proposed PRO #248	ent without associ edRemedy ace the words "to d Response POSED ACCEPT 8 for editorial resol SC 7.2.3	ation according to 5.5. which the station is assoc <i>Response Status</i> W IN PRINCIPLE. Resolver ution.	iated" with "to v d with the resol	which the STA is joined" ution of comment 248. See
be se Suggeste Repl Proposed PRO #248 CI 07	ent without associ edRemedy ace the words "to d Response POSED ACCEPT 8 for editorial resol SC 7.2.3 preton	ation according to 5.5. which the station is assoc <i>Response Status</i> W IN PRINCIPLE. Resolver ution.	iated" with "to v d with the resol	which the STA is joined" ution of comment 248. See
be se Suggeste Repl Proposed PRO #248 C/ 07 Mike, Mo Comment "to e	ent without associ edRemedy ace the words "to d Response PPOSED ACCEPT B for editorial resol SC 7.2.3 oreton at Type TR nsure that the bro	ation according to 5.5. which the station is assoc <i>Response Status</i> W TIN PRINCIPLE. Resolver ution. P0 <i>Comment Status</i> D	iated" with "to v d with the resol <i>L</i> 0	which the STA is joined" ution of comment 248. See
be se Suggeste Repl Proposed PRO #248 C/ 07 Mike, Mo Comment "to e asso	ent without associ edRemedy ace the words "to d Response PPOSED ACCEPT B for editorial resol SC 7.2.3 oreton at Type TR nsure that the bro	ation according to 5.5. which the station is assoc <i>Response Status</i> W IN PRINCIPLE. Resolver ution. <i>P</i> 0 <i>Comment Status</i> D adcast or multicast origina	iated" with "to v d with the resol <i>L</i> 0	which the STA is joined" ution of comment 248. See <i>MyBallot</i> # <u>196</u>
be se Suggeste Repl Proposed PRO #248 Cl 07 Mike, Mo Commen "to e asso Suggeste	ent without associ edRemedy ace the words "to d Response POSED ACCEPT 3 for editorial resol SC 7.2.3 oreton at Type TR nsure that the bro ociated." doesn't co edRemedy	ation according to 5.5. which the station is assoc <i>Response Status</i> W TIN PRINCIPLE. Resolver ution. <i>P</i> 0 <i>Comment Status</i> D adcast or multicast origina over the IBSS case.	iated" with "to v d with the resol <i>L</i> 0 ated in the same	which the STA is joined" ution of comment 248. See <i>MyBallot</i> # <u>196</u>
be se Suggeste Repl Proposee PRO #248 CI 07 Mike, Mo Commen "to e asso Suggeste repla	ent without associ edRemedy ace the words "to d Response POSED ACCEPT 3 for editorial resol SC 7.2.3 oreton at Type TR nsure that the bro ociated." doesn't co edRemedy	ation according to 5.5. which the station is assoc <i>Response Status</i> W TIN PRINCIPLE. Resolver ution. <i>P</i> 0 <i>Comment Status</i> D adcast or multicast origina over the IBSS case.	iated" with "to v d with the resol <i>L</i> 0 ated in the same	which the STA is joined" ution of comment 248. See <i>MyBallot</i> # <u>196</u> BSS to which the station is

Bagby, David

mment Type TR Comment Status D

I oppose the introduction of vender specific elements. If a specific function is sufficiently usefu to the industry as to be needed, it should be standardized and included. This is an attempt to have a standard encourage non-standard operation \hat{u} a very bad idea in the opinion of this reviewer. This reviewer will not vote to approve the draft until all the added vendor specific related changes are removed.

SuggestedRemedy

Remove all vendor specific element additions

Proposed Response Response Status W

PROPOSED REJECT. The definition of a standard vendor-specific information element is preferable to vendors independently choosing random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific extensions.

CI 07	SC 7.2.3.1	P 0	L 0	MyBallot # 537
Jalfon, Marc	:			

omment Type E Comment Status D

These tables of things in order create potential future problems. If the current specification fc order of elements coincidentally agrees with the numeric order of the elements, I propose tha the management frame format sections only list which elements are present and there be a global rule that elements shall be transmitted in order of element ID for all frames.

SuggestedRemedy

If this suggestion is accepted, it is possible to go futher, in each element, list the manageme frames that include it. The management frame formats then indicate the format of their fixed fields and indicate whether any elements are present or not.

Proposed Response Response Status W

PROPOSED REJECT. Not all items listed in the frame bodies are information elements. Therefore not all have element IDs.

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July 2005		IEEE P80	2.11REV-am Draf	t 1.0 Com	ments and	d resolu	utions re	eport by	clause	doc:	IEEE 802.11-05/0)482r2
CI 07 SC 7.2 Stephens, Adrian	3.1	P0 L0	MyBallot # 52		CI 07 Ecclesine		7.2.3.10		P 0	L 0	<i>MyBallot</i> # 158	
order of elements the management	Comment Stan nings in order create point coincidentally agrees w frame format sections of ements shall be transm	tential future problems. with the numeric order of only list which elements	of the elements, I prop are present and there	ose tha	Suggeste	10 indic	/		ent Status D C' information. Or	n what basis	is Order 10 included?	
frames that inclu- fields and indicat Proposed Response	is accepted, it is possil de it. The management e whether any elements <i>Response Stat</i> JECT. Duplicate of #537	t frame formats then in are present or not. tus W	h element, list the mar dicate the format of the	nageme ir fixed	stands rando implei	POSED A ard vend m values mentation	ACCEPT. or-specific to carry t ns to oper	Order 10 c information heir propri	on element is pre etary information tly along side of i	ferable to ve . This, at lea	vailable. The definition ndors independently cl st, allows standard ons with vendor-specifi	hoosinę
Cl 07 SC 7.2 Ecclesine, Peter	·	P 0 L0	MyBallot # 150		<i>Cl</i> 07 Aboba, Be		7.2.3.10, p	p. 75	P 75	L 0	MyBallot # 16	
Comment Type T Order 22 indicate amendments. Or SuggestedRemedy Justify or remove Proposed Response PROPOSED AC standard vendor- random values to implementations	s 'Vendor specific' infor what basis is Order 22	tus W hext sequential value a ment is preferable to ve nformation. This, at lea	vailable. The definition endors independently cl ist, allows standard ons with vendor-specifi	of a hoosinç	mech Suggester Delete Proposed PROF	802.11i a anisms a dRemedy e Vendor Respons POSED F f the Auth SC 7 , Peter	re not nee / -specific I se	ded authe eded. E type 5 w <i>Respons</i> 802.11i ac n frame.	rithin Table 13. se Status W		re vendor-specific auth direction. This did not <i>MyBallot</i> # 1 <u>59</u>	
SuggestedRemedy Not sure what ha Proposed Response	Comment Sta ation on Table 14 s been changed here ? Response Stat CEPT. It appears to hav	tus W	<i>MyBallot</i> # <u>576</u> at typo only. No editoria	al	Order Suggester Justify Proposed PROF stand rando impler	2 indicat dRemedy y or remo Respons POSED A ard vend m values mentation	/ ove se ACCEPT. or-specific to carry to ns to oper	<i>Respons</i> Order 2 is c information heir propri	se <i>Status</i> W the next sequen on element is pre etary information tly along side of i	tial value ava ferable to ve . This, at lea	Order 2 included? ailable. The definition of ndors independently ch st, allows standard ons with vendor-specifi	hoosinç

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 Page 34 of 118 7/6/2005 10:15:58 AM C/ 07 SORT ORDER: Clause, Subclause, page, line SC 7.2.3.11

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C/ 07 SC 7.2.3.11, pp. 76 P 76 L 0 MyBallot # 17	Cl 07 SC 7.2.3.12 P 0 L 0 MyBallot # 160 Ecclesine, Peter 160 160
Comment Type TR Comment Status D No text specifying the behavior of a STA or AP receiving a vendor-specific IE it does not understand.	Comment Type TR Comment Status D Order 2 indicates 'Vendor specific' information. On what basis is Order 2 included? SuggestedRemedy
SuggestedRemedy Add sentence to 7.2.3.11: "A STA receiving a Deauthentication frame containing a vendor-specific IE it does not understand shall ignore the vendor-specific IE." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	Justify or remove Proposed Response Response Status W PROPOSED ACCEPT. Order 2 is the next sequential value available. The definition of a standard vendor-specific information element is preferable to vendors independently choosin random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific extensions. No editorial resolution needed.
CI 07 SC 7.2.3.11, pp. 76 P 76 L 0 MyBallot # 177 Kuehnel, Thomas Comment Type TR Comment Status D	C/ 07 SC 7.2.3.12 P 0 L 0 MyBallot # 538
No text specifying the behavior of a STA or AP receiving a vendor-specific IE it does not understand. SuggestedRemedy Add sentence to 7.2.3.11: "A STA receiving a Deauthentication frame containing a vendor- specific IE it does not understand shall ignore the vendor-specific IE." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	Comment Type TR Comment Status D This section indicates an action field followed by vendor specific elements. However the action field has a varible length, and does not encode its length (it is determined from the MPDU length). So it is not possible to follow it with anything. SuggestedRemedy Specify the length of vendor specific field Proposed Response Response Status W PROPOSED REJECT. The "action details" field is variable length, as described by the
C/ 07 SC 7.2.3.12 P 0 L 0 MyBallot # 53	commenter. The content of the action details is defined for the individual Action frames, as determined by the Category value. It is possible to determine the length of the action details entirely from the content of that field and the value of the Category.
Comment TypeTRComment StatusDThis section indicates an action field followed by vendor specific elements. However the actic field has a varible length, and does not encode its length (it is determined from the MPDU length). So it is not possible to follow it with anything.	
SuggestedRemedy Remove vendor-specific from Table 16. I Recommend checking all occurrances of vendor specific for this bug.	
Proposed Response Response Status W	

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Submission

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C/ 07 SC 7.2.3.12 P 0 L 0 MyBallot # 250 Tolpin, Alexander	Cl 07 SC 7.2.3.3 P 0 L 0 MyBallot # 151 Ecclesine, Peter
Comment Type TR Comment Status D This section indicates an action field followed by vendor specific elements. However the actic	Comment Type TR Comment Status D Order 2 indicates 'Vendor specific' information. On what basis is Order 2 included?
field has a variable length, and does not encode its length (it is determined from the MPDU length). So it is not possible to follow it with anything.	SuggestedRemedy Justify or remove
SuggestedRemedy Remove vendor-specific from Table 16.	Proposed Response Response Status W
I recommend checking all occurrences of vendor specific for this bug. Proposed Response Response Status W PROPOSED REJECT. The "action details" field is variable length, as described by the commenter. The content of the action details is defined for the individual Action frames, as determined by the Category value. It is possible to determine the length of the action details	PROPOSED ACCEPT. Order 2 is the next sequential value available. The definition of a standard vendor-specific information element is preferable to vendors independently choosing random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific extensions. No editorial resolution required.
entirely from the content of that field and the value of the Category.	Cl 07 SC 7.2.3.3, pp. 71 P 0 L 0 MyBallot # 1 Hassan, Amer
C/ 07 SC 7.2.3.12, pp. 76 P 76 L 0 MyBallot # 176	Comment Type TR Comment Status D
Comment Type TR Comment Status D	No text specifying what a STA should do if it encounters a Dissassociation frame including a vendor-specific IE it does not understand.
No text specifying the behavior of a STA or AP receiving a vendor-specific IE it does not understand.	SuggestedRemedy
SuggestedRemedy	Add sentence to 7.2.3.3: "A STA receiving a vendor-specific IE that it does not support shall ignore the vendor-specific IE."
Add sentence to 7.2.3.12: "A STA receiving an Action frame containing a vendor-specific IE it does not understand shall ignore the vendor-specific IE."	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment	PROPOSED ACCEPT IN PRINCIPLE. See resolution to comment 178. See comment #178 for editorial resolution.
#178 for editorial resolution.	Cl 07 SC 7.2.3.3, pp. 71 P 71 L 0 MyBallot # 11
Cl 07 SC 7.2.3.12, pp. 76 P 76 L 0 MyBallot # 18	Aboba, Bernard
Aboba, Bernard	Comment Type TR Comment Status D
Comment Type TR Comment Status D	No text specifying what a STA should do if it encounters a Dissassociation frame including a vendor-specific IE it does not understand.
No text specifying the behavior of a STA or AP receiving a vendor-specific IE it does not understand.	SuggestedRemedy
SuggestedRemedy Add sentence to 7.2.3.12: "A STA receiving an Action frame containing a vendor-specific IE it	Add sentence to 7.2.3.3: "A STA receiving a vendor-specific IE that it does not support shall ignore the vendor-specific IE."
does not understand shall ignore the vendor-specific IE."	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.

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Jehnel, Thomas	C/ 07 SC 7.2.3.4, pp.71 P 71 L 0 MyBallot # 179 Kuehnel, Thomas				
omment Type TR Comment Status D	Comment Type TR Comment Status D				
No text specifying what a STA should do if it encounters a Dissassociation frame including a vendor-specific IE it does not understand.	No text specifying how an AP should behave if it encounters an Association-Request frame including a vendor-specific IE it does not understand, or that does not include a vendor specif IE.				
uggestedRemedy					
Add sentence to 7.2.3.3: "A STA receiving a vendor-specific IE that it does not support shall ignore the vendor-specific IE."	SuggestedRemedy Add sentence to 7.2.3.4: "An AP receiving an Association Request frame including a vendor-				
roposed Response Response Status W	specific IE it does not understand shall ignore the vendor-specific IE. An AP shall not fail to				
PROPOSED ACCEPT IN PRINCIPLE. Add the proposed sentence to the penultimate	process an Association Request frame due to lack of a vendor-specific IE."				
paragraph of 7.2.3. This makes the statement applicable to all management frames, not just the disassociation frame. Editor included in draft 1.1 in 7.2.3.	 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution. 				
O7 SC 7.2.3.4 P 0 L 0 MyBallot # 152					
cclesine, Peter	Cl 07 SC 7.2.3.5 P 0 L 0 MyBallot # 153				
omment Type TR Comment Status D	Ecclesine, Peter				
Order 9 indicates 'Vendor specific' information. On what basis is Order 9 included?	Comment Type TR Comment Status D Order 6 indicates 'Vendor specific' information. On what basis is Order 6 included?				
JggestedRemedy Justify or remove	SuggestedRemedy				
	Justify or remove				
roposed ResponseResponse StatusWPROPOSED ACCEPT.Order 9 is the next sequential value available.The definition of a	Proposed Response Response Status W				
standard vendor-specific information element is preferable to vendors independently choosin random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific extensions. No editorial resolution required.	 PROPOSED ACCEPT. Order 6 is the next sequential value available. The definition of a standard vendor-specific information element is preferable to vendors independently choosing random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific extensions. No editorial resolution required. 				
boba, Bernard	Cl 07 SC 7.2.3.5 P 0 L 0 MyBallot # 197				
omment Type TR Comment Status D	Mike, Moreton				
No text specifying how an AP should behave if it encounters an Association-Request frame	Comment Type ER Comment Status D				
including a vendor-specific IE it does not understand, or that does not include a vendor speci IE.	if The line above the last row is too bold. (If it was deliberate, there are some sections where it isn't bold that need making bold)				
uggestedRemedy	SuggestedRemedy				
Add sentence to 7.2.3.4: "An AP receiving an Association Request frame including a vendor-	Reduce it. Also 7.2.3.7, 7.2.3.8, 7.2.3.10, 7.2.3.11, 7.2.3.12				
specific IE it does not understand shall ignore the vendor-specific IE. An AP shall fail to process an Association Request frame that does not include a vendor-specific IE."	Proposed Response Response Status W				
<i>proposed Response Response Status</i> W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	PROPOSED ACCEPT. Editor included in draft 1.1 in Table 8 (7.2.3.5), Table 10 (7.2.3.7), Table 11, (7.2.3.8), Table 16 (7.2.3.12). Nothing found to do in 7.2.3.10 & 7.2.3.11. Not shown with change bars because internal Frame formatting change.				
/PE: TR/technical required ER/editorial required GR/general required T/technical E/editorial OMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open V					

Submission

July 20	005	I	EEE P80	2.11REV-am Draft	1.0 Com	ments an	d resolu	utions re	port by cla	use	doc:	IEEE 802.11-05/0482r
<i>Cl</i> 07 Kuehnel,	SC 7.2.3.5, pp. 72 Thomas	P 72	L 0	MyBallot # 180		C/ 07 Ecclesine		.2.3.7		P 0	L 0	MyBallot # 155
Commen No te	t Type TR Comme ext specifying when a vendor-	ent Status D specific IE can be	sent within	an Association Respons	e.	Comment Order		TR tes 'Vendo	Comment or specific' inf		what basis is	Order 6 included?
Add spec vend	edRemedy sentence to 7.2.3.5: "A STA re ific IE it does not understand s or-specific IE within an Assoc Juded within the Association F	shall ignore the ve iation Response (endor-specif	c IE. An AP shall not se	end a	Proposed PROF	y or remo Respons POSED A	ve se ACCEPT.		e next sequer		ailable. The definition of a
PRO	A Response Response POSED ACCEPT IN PRINCII for editorial resolution.	se Status W PLE. See the res	olution to co	nment 178. See comme	ent	rando imple	m values mentatio	to carry t to corry t	heir proprieta	ry information along side of in	. This, at lea	ndors independently choosin st, allows standard ons with vendor-specific
<i>Cl</i> 07 Aboba, B	SC 7.2.3.5, pp. 72 ernard	P72	L 0	MyBallot # 13		Cl 07 Ecclesine		.2.3.8		P 0	L 0	MyBallot # 156
Suggeste	t Type TR Comme ext specifying when a vendor- edRemedy sentence to 7.2.3.5: "A STA re					Suggeste	5 indicat	/	Comment or specific' inf		what basis is	Order 5 included?
spec vend is inc Proposed	ific IE it does not understand s or-specific IE within an Assoc luded within the Association F	shall ignore the ve iation Response o Request." se <i>Status</i> W	endor-specif unless a corr	c IE. An AP shall not se esponding vendor-spec	end a ific IE	Proposed PROF stand rando	POSED A ard vend m values	se CCEPT. or-specific to carry f	information heir proprieta	e next sequer element is pre ry information	ferable to ve . This, at lea	ailable. The definition of a ndors independently choosir st, allows standard ons with vendor-specific
#178	for editorial resolution.	P 0	L 0			exten	sions. No	editorial	resolution rec	quired.		
Ecclesine		Ρ υ	LU	MyBallot # 154		<i>CI</i> 07 Kuehnel,		'.2.3.8, pp	. 73	P 73	L 0	MyBallot # 182
Commen Orde	t Type TR Comme r 10 indicates 'Vendor specifie	ent Status D c' information. On	what basis i	s Order 10 included?		Comment No te		TR ring the be	Comment ehavior of an		a vendor-spe	cific IE it does not understan
Justi	edRemedy fy or remove d Response Respons	se Status W					entence	to 7.2.3.8		iving a Probe the vendor-sp		ne including a vendor-specifi
PRO stand rand imple	POSED ACCEPT. Order 10 dard vendor-specific information or values to carry their propria ementations to operate correct asions. No editorial resolution	is the next seque on element is pref etary information. tly along side of ir	erable to ve This, at lea	ndors independently cho st, allows standard			POSED A				olution to co	mment 178. See comment

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 Page 38 of 118 7/6/2005 10:15:58 AM CI 07 SC 7.2.3.8, pp.

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Cl 07 SC 7.2.3.8, pp. 73 P 73 L 0 MyBallot # 15 Aboba, Bernard	CI 07 SC 7.2.3.9 P 0 L 0 MyBallot # 390 Jokela, Jari
Comment Type TR Comment Status D No text specifying the behavior of an AP receiving a vendor-specific IE it does not understand	Comment Type TR Comment Status D Order 18 is reserved but no explanation is given why it is reserved
SuggestedRemedy Add sentence to 7.2.3.8: "An AP receiving a Probe Request frame including a vendor-specific	SuggestedRemedy Explain or remove 18 as reserved
IE it does not understand shall ignore the vendor-specific IE."	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	PROPOSED ACCEPT. The table will be changed to decrease by 1 the value for the orders greater than 18. See comment #321 for editorial resolution.
Cl 07 SC 7.2.3.9 P 0 L 0 MyBallot # 157 Ecclesine, Peter	CI 07 SC 7.2.3.9 P 0 L 0 MyBallot # 406 Edwards, Bruce
Comment Type TR Comment Status D Order 22 indicates 'Vendor specific' information, yet it was not present in 802.11i or previous amendments. On what basis is Order 22 included? SuggestedRemedy Justify or remove Proposed Response Response Status W PROPOSED ACCEPT. Order 22 is the next sequential value available. The definition of a	Comment Type ER Comment Status D Why is there a reserved order element (18)? Since these don't correspond to element IDs, there seems to be no purpose to this. Since these don't correspond to element IDs, there seems to be no purpose to this. SuggestedRemedy Remove it Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment id #321. See #321 for editorial resolution.
standard vendor-specific information element is preferable to vendors independently choosing random values to carry their proprietary information. This, at least, allows standard implementations to operate correctly along side of implementations with vendor-specific	C/ 07 SC 7.2.3.9, pp. 75 P 75 L 0 MyBallot # 14
extensions. No editorial resolution required.	Comment Type TR Comment Status D
Cl 07 SC 7.2.3.9 P 0 L 0 MyBallot # 321	No text specifying when a vendor-specific IE can be sent within a Probe Response or how it is interpretted by the STA.
Sanwalka, Anil	SuggestedRemedy
Comment Type TR Comment Status D Table 12 indicated that the 18th (order 18) is reserved. It is not clear what that means. Does	Add sentence to 7.2.3.9: "A STA receiving a Probe Response frame including a vendor-speci IE it does not understand shall ignore the vendor-specific IE."
that mean that there is a reserved element there? How can you have a reserved slot	Proposed Response Response Status W
SuggestedRemedy Remove the 18th entry and shift all the remaining entries up one.	PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.
Proposed Response Response Status W	

PROPOSED ACCEPT. Editor included in draft 1.1 in 7.2.3.9.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ 07
 SC 7.2.3.9, pp.

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C/ 07 SC 7.2.3.9, pp. 75 P 75 L 0 MyBallot # 181	C/ 07 SC 7.3.1.9 P0 L0 MyBallot # 572
Kuehnel, Thomas Comment Type TR Comment Status D No text specifying when a vendor-specific IE can be sent within a Probe Response or how it is interpreted by the STA.	Bilstad, Mark Comment Type T Comment Status D In Table 20, a "vendor specific" status code is defined. This does not seem to be very useful. At a minimum, the OUI of the AP vendor must be derived somehow in this context, but there is no text describing how this is done. Otherwise, this code has no other meaning than code 1
SuggestedRemedy Add sentence to 7.2.3.9: "A STA receiving a Probe Response frame including a vendor-speci IE it does not understand shall ignore the vendor-specific IE."	(unspecified failure). In fact, there does not seem to be any text about this status code that I can find. Even with the OUI derived somehow, this would still only allow 1 status code per vendor; again, not very useful.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 178. See comment #178 for editorial resolution.	SuggestedRemedy Remove this status code from the table; or, add frame fields and text describing how a vendo can implement multiple vendor-specific status codes.
CI 07 SC 7.3.1.11 P 0 L 0 MyBallot # 375 Watanabe, Fujio	Proposed ResponseResponse StatusWPROPOSED ACCEPT.Duplicate of comment id #86. See #86 for editorial resolution.
Comment Type TR Comment Status D According to 7.3 (within management frames, fixed-length mandatory frame body components are defined as fixed fields; variable length mandatory and all optional frame body components are defined as information elements.), 7.3.1.11 Action field belongs to the 7.3.1 Fixed field. However, actual action frame has variable length. SuggestedRemedy Either 7.3 sentence will be changed to adequately include the action frame or make a new category for Action frame.	Cl 07 SC 7.3.1.9 P 0 L 0 MyBallot # 161 Ecclesine, Peter Ecclesine, Peter Image: Status code 221 indicates 'Vendor specific' information. On what basis is code 221 included? SuggestedRemedy Justify or remove
Proposed Response Response Status W PROPOSED ACCEPT. In 7.3, delete the paragraph. Retitle 7.3.1 to "Fields that are not	Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment id #86. See #86 for editorial resolution.
information elements". Editor included in draft 2.0 in 7.3 and 7.3.1. Cl 07 SC 7.3.1.4 P 0 L 0 MyBallot # 547	Cl 07 SC 7.3.1.9 P 0 L 0 MyBallot # 394 Kandala, Srinivas
Hunter, David Comment Type ER Comment Status D	Comment Type TR Comment Status D Status code is assigned by another draft amendment with permission from ANA.
This seems to be the first place "ERP" is used outside of a table so the acronym should be defined here or at least a pointer included to the place where it is defined.	SuggestedRemedy Assign another number.
SuggestedRemedy Replace "ERP" with "Extended Rate PHY (ERP)" in text. Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 7.3.1.4.	Proposed Response Response Status W PROPOSED REJECT. There is insufficient information in the comment to determine the status code value to which the commenter refers.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
 7/6/2005 10:15:58 AM
 C/ 07
 SC 7.3.1.9

CI 07	SC 7.3.1.9	P 0		L 0	MyBallot # 86	C/ 07	SC 7	7.3.1.9, p	p. 83	P 83	L 0	MyBallot # 175	
Oakes, Iva	an					Kuehnel,	Thomas						
Comment		Comment Status	-			Commen	t Type	TR	Comme	nt Status D			
					le not in the Status codes. an implementation should	No te	ext specify	ying wher	n a vendor-s	pecific Status co	ode can be s	sent, or how it is inter	pretted.
		ified failure" or just "Suc				Suggeste		-					
Suggeste	dRemedy	-										nly be sent if a corres	
••	-	e 221 from Table 20 and	d insert the sa	me int	o Table 22.							ived a Status Code of	
Proposed	l Response	Response Status	w			(Unsj	pecified f	ailure)."					
PROF	, POSED ACCEP	T. Editor included in dr	aft 1.1 in Table	e 20 (7	7.3.1.9) & Table 22 (7.3.2).	Proposed			,	e Status W			
C/ 07	SC 7.3.1.9	PO		LO	MyBallot # 322							een deleted as a res #86 for editorial resol	
Sanwalka		•		-•			0						
Commont		Comment Status	D			C/ 07 Watanab		7.3.2		P 0	L 0	MyBallot # 372	
Comment			U										
			-	? One	is probably not enough for ar			_	0				
	ble 20 what does		s code mean		is probably not enough for ar Table 22.	Commen	t Type	E		nt Status D			
In tab partic	ule 20 what does	s a vendor specific stat	s code mean			Commen Table	<i>t Type</i> 22 infor	mation el	ement were	explained at the		ns. However, the sec not well organized.	luence o
In tab partic Suggestee	ole 20 what does cular vendor. Sh cdRemedy	s a vendor specific stat	s code mean			Commen Table appe	<i>t Type</i> 22 infor aring info	mation electron electron electron	ement were	explained at the		ns. However, the sec not well organized.	luence o
In tab partic Suggester Remo	ole 20 what does cular vendor. Sh cdRemedy	s a vendor specific statu ould this really be here	is code mean' or should this			Commen Table appe Suggeste Revis	t Type 22 infor aring info dRemed se the info	mation ele ormation e ly ormation	ement were element (e.g element sec	explained at the . challenge text	7.3.2.8) are i ce manner.	not well organized. (e.g., 7.3.2.8: challe	
In tab partic Suggester Remo Proposed	le 20 what does cular vendor. Sh dRemedy ove vendor spec I Response	s a vendor specific statu ould this really be here cific status code.	us code mean' or should this W	be in	Table 22.	Commen Table appe Suggeste Revis	t Type 22 infor aring info dRemed se the info	mation ele ormation e ly ormation	ement were element (e.g element sec	explained at the . challenge text	7.3.2.8) are i ce manner.	not well organized.	
In tab partic Suggester Remo Proposed PROF	alle 20 what does cular vendor. Sh dRemedy ove vendor spec I Response POSED ACCEP	s a vendor specific statu ould this really be here cific status code. <i>Response Status</i> T. Duplicate of comme	w w #86. See	be in e #86 1	Table 22.	Commen Table appe Suggeste Revis elem Proposed	t Type 22 infor aring info dRemed se the info ent shoul I Respon	mation ele ormation e ly ormation ld be latte ose	ement were element (e.g element sec r than 7.3.2 <i>Response</i>	explained at the . challenge text tion in a sequen 9 country inform e Status W	7.3.2.8) are i ce manner. nation/7.3.2.1	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern).	nge text
In tab partic Suggester Remo Proposed PROF CI 07	20 what does cular vendor. Sh <i>dRemedy</i> ove vendor spect <i>I Response</i> POSED ACCEP SC 7.3.1.9 ,	s a vendor specific statu ould this really be here cific status code. <i>Response Status</i> T. Duplicate of comme	w w #86. See	be in	Table 22.	Commen Table appe Suggeste Revis elem Proposed	t Type 22 infor aring info dRemed se the info ent shoul I Respon	mation ele ormation e ly ormation ld be latte ose	ement were element (e.g element sec r than 7.3.2 <i>Response</i>	explained at the . challenge text tion in a sequen 9 country inform e Status W	7.3.2.8) are i ce manner. nation/7.3.2.1	not well organized. (e.g., 7.3.2.8: challe	nge text
In tab partic Suggester Remo Proposed PROF CI 07 Aboba, Be	20 what does sular vendor. Sh dRemedy ove vendor spec I Response POSED ACCEP SC 7.3.1.9, ernard	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> T. Duplicate of comme pp. 83 <i>P</i> 8	w nt id #86. See	be in e #86 1	Table 22.	Commen Table appe Suggeste Revis elem Proposed	t Type 22 infor aring info edRemed se the info ent shoul I Respon POSED I	mation ele ormation e ly ormation ld be latte ose	ement were element (e.g element sec r than 7.3.2 <i>Response</i>	explained at the . challenge text tion in a sequen 9 country inform e Status W	7.3.2.8) are i ce manner. nation/7.3.2.1	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern).	nge text
In tab partic Suggester Remo Proposed PROF CI 07 Aboba, Be Comment	20 what does ular vendor. Sh dRemedy ove vendor spec I Response POSED ACCEF SC 7.3.1.9, ernard t Type TR	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> PT. Duplicate of comme pp. 83 <i>P</i> 8 <i>Comment Status</i>	w nt id #86. See D	be in e #86 t L 0	Table 22. for editorial resolution. <i>MyBallot</i> # 19	Commen Table appe Suggeste Revis elem Proposed PRO	t Type 22 infor aring info adRemed se the info ent shoul I Respon POSED I	mation el ormation e ormation Id be latte Ise REJECT.	ement were element (e.g element sec r than 7.3.2 <i>Response</i>	explained at the challenge text tion in a sequen 9 country inform e Status W tion elements a	7.3.2.8) are in ce manner. hation/7.3.2.1 re presented	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e	nge text
In tab partic Suggester Remo Proposed PROF CI 07 Aboba, Be Comment No te:	20 what does cular vendor. Sh dRemedy ove vendor spec <i>Response</i> POSED ACCEP SC 7.3.1.9, ernard t Type TR xt specifying wh	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> PT. Duplicate of comme pp. 83 <i>P</i> 8 <i>Comment Status</i>	w nt id #86. See D	be in e #86 t L 0	Table 22.	Commen Table appe Suggeste Revis elem Proposed PRO	t Type 2 2 infor aring info adRemed se the info ent shoul d Respon POSED F SC a, Anil	mation el ormation e ormation Id be latte Ise REJECT.	ement were element (e.g element sec r than 7.3.2 <i>Response</i> The informa	explained at the challenge text tion in a sequen 9 country inform e Status W tion elements a	7.3.2.8) are in ce manner. hation/7.3.2.1 re presented	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e	nge text
In tab partic Suggester Remo Proposed PROF CI 07 Aboba, Be Comment No te: Suggester	20 what does sular vendor. Sh dRemedy ove vendor spec Response POSED ACCEP SC 7.3.1.9, ernard t Type TR xt specifying wh dRemedy	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> T. Duplicate of comme pp. 83 <i>P</i> 8 <i>Comment Status</i> hen a vendor-specific S	W ant id #86. See D atus code car	be in #861 <i>L</i> 0	Table 22. for editorial resolution. <i>MyBallot</i> # 19	Commen Table appe Suggeste Revis elem Proposed PRO C/ 07 Sanwalka Commen In Ta	t Type 2 2 infor aring infor	mation ele ormation el ormation Id be latte sse REJECT. 7.3.2 TR e vendor	ement were element (e.g element sec r than 7.3.2 <i>Response</i> The information <i>Commen</i> specific eler	explained at the . challenge text tion in a sequen 9 country inform e Status W tition elements at P 0 nt Status D nent ID is not de	7.3.2.8) are n ce manner. nation/7.3.2.1 re presented <i>L</i> 0	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e <i>MyBallot</i> # <u>324</u> eds to be defined so	nge text lement i
In tab partic Suggester Remo Proposed PROF Cl 07 Aboba, Be Comment No te: Suggester Add s vendo	20 what does water vendor. Sh dRemedy ove vendor spece <i>Response</i> POSED ACCEP SC 7.3.1.9, ernard t Type TR xt specifying wh dRemedy sentence to 7.3. or-specific IE water	s a vendor specific statu ould this really be here cific status code. <i>Response Status</i> T. Duplicate of comment pp. 83 <i>P</i> 8 <i>Comment Status</i> hen a vendor-specific S 1.9: "A vendor-specific as included in the reque	W mt id #86. See D atus code car status code sh sted operatior	be in = #86 f <i>L</i> 0 n be se nall on n. A S	Table 22. for editorial resolution. <i>MyBallot #</i> 19 ent, or how it is interpretted. ly be sent if a corresponding TA receiving a vendor-specfii	Commen Table appe Suggeste Revis elem Proposed PRO Cl 07 Sanwalka Commen In Ta manu	t Type 2 2 infor aring infor	mation ele ormation el ormation Id be latte se REJECT. 7.3.2 TR e vendor s don't sta	ement were element (e.g element sec r than 7.3.2 <i>Response</i> The information <i>Commen</i> specific eler art using othe	explained at the . challenge text tion in a sequen 9 country inform e Status W tition elements at P 0 nt Status D nent ID is not de	7.3.2.8) are n ce manner. nation/7.3.2.1 re presented <i>L</i> 0	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e <i>MyBallot</i> # <u>324</u>	nge text lement i
In tab partic Suggester Proposed PROF Cl 07 Aboba, Be Comment No te: Suggester Add s vendo IE it d	20 what does cular vendor. Sh dRemedy ove vendor spec <i>I Response</i> POSED ACCEP SC 7.3.1.9, ernard t Type TR xt specifying wh dRemedy sentence to 7.3. or-specific IE wa does not unders	s a vendor specific statu ould this really be here cific status code. <i>Response Status</i> T. Duplicate of comment pp. 83 <i>P</i> 8 <i>Comment Status</i> nen a vendor-specific S 1.9: "A vendor-specific s as included in the request tand shall interpret it as	W mt id #86. See D atus code car status code sh sted operatior	be in = #86 f <i>L</i> 0 n be se nall on n. A S	Table 22. for editorial resolution. <i>MyBallot #</i> 19 ent, or how it is interpretted. ly be sent if a corresponding TA receiving a vendor-specfii	Commen Table appe Suggeste Revis elem Proposed PRO CI 07 Sanwalka Commen In Ta manu a des	t Type 2 2 infor aring infor	mation ele ormation el ormation Id be latte se REJECT. 7.3.2 TR e vendor s don't sta of it in 7.3	ement were element (e.g element sec r than 7.3.2 <i>Response</i> The information <i>Commen</i> specific eler art using othe	explained at the . challenge text tion in a sequen 9 country inform e Status W tition elements at P 0 nt Status D nent ID is not de	7.3.2.8) are n ce manner. nation/7.3.2.1 re presented <i>L</i> 0	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e <i>MyBallot</i> # <u>324</u> eds to be defined so	nge text lement i
In tab partic Suggester Proposed PROF Cl 07 Aboba, Be Comment No te: Suggester Add s vendo IE it d (Unsp	20 what does sular vendor. Sh <i>dRemedy</i> pove vendor spec <i>Response</i> POSED ACCEP <i>SC</i> 7.3.1.9 , ernard <i>t Type</i> TR xt specifying wh <i>dRemedy</i> sentence to 7.3. pr-specific IE wa loes not unders pecified failure).	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> T. Duplicate of comme pp. 83 <i>P</i> 8 <i>Comment Status</i> nen a vendor-specific S 1.9: "A vendor-specific S 1.9: "A vendor-specific s included in the reque tand shall interpret it as	W mt id #86. See B D atus code car status code sh status code sh	be in = #86 f <i>L</i> 0 n be se nall on n. A S	Table 22. for editorial resolution. <i>MyBallot #</i> 19 ent, or how it is interpretted. ly be sent if a corresponding TA receiving a vendor-specfii	Commen Table appe Suggeste Revis elem Proposed PRO C/ 07 Sanwalka Commen In Ta manu a des Suggeste	t Type 2 2 infor aring infor	mation ele ormation el ormation Id be latte se REJECT. 7.3.2 TR e vendor s don't sta of it in 7.3	ement were element (e.g element sec r than 7.3.2 <i>Response</i> The information <i>Commen</i> specific eler art using othe .2.26	explained at the . challenge text tion in a sequen 9 country inform e Status W tion elements at P 0 Int Status D nent ID is not de ers. I am assumi	7.3.2.8) are n ce manner. nation/7.3.2.1 re presented <i>L</i> 0	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e <i>MyBallot</i> # <u>324</u> eds to be defined so	nge text lement i
In tab partic Suggester Proposed PROF Cl 07 Aboba, Be Comment No te: Suggester Add s vendo IE it d (Unsp Proposed	20 what does sular vendor. Sh <i>dRemedy</i> ove vendor spec <i>Response</i> POSED ACCEP SC 7.3.1.9, ernard t <i>Type</i> TR xt specifying wh <i>dRemedy</i> sentence to 7.3. or-specific IE wa loes not unders becified failure). <i>Response</i>	s a vendor specific statu ould this really be here sific status code. <i>Response Status</i> T. Duplicate of comme pp. 83 <i>P</i> 8 <i>Comment Status</i> nen a vendor-specific S 1.9: "A vendor-specific as included in the reque tand shall interpret it as <i>Response Status</i>	W int id #86. See D atus code car status code sh sted operatior though it had W	be in #86 f L 0 h be so hall on h. A S I receiv	Table 22. for editorial resolution. <i>MyBallot #</i> 19 ent, or how it is interpretted. ly be sent if a corresponding TA receiving a vendor-specfii	Commen Table appe Suggeste Revis elem Proposed PRO C/ 07 Sanwalka Commen In Ta manu a des Suggeste	t Type 2 2 infor aring info adRemed se the info ent shoul d Respon POSED F SC 7 a, Anil t Type ble 22 th ufacturers scription of adRemed yn a vend	mation ele ormation el ormation Id be latte se REJECT. 7.3.2 TR e vendor s don't sta of it in 7.3 lor specifi	ement were element were element (e.g element sec r than 7.3.2 <i>Response</i> The informat <i>Commer</i> specific eler art using othe .2.26 c element II	explained at the . challenge text tion in a sequen 9 country inform e Status W tion elements at P 0 Int Status D nent ID is not de ers. I am assumi	7.3.2.8) are n ce manner. nation/7.3.2.1 re presented <i>L</i> 0	not well organized. (e.g., 7.3.2.8: challe 10 hopping pattern). d in the order of the e <i>MyBallot</i> # <u>324</u> eds to be defined so	nge text lement i

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 C/ 07
 SC 7.3.2

CI 07 SC 7.3.2 P 0 L 0 MyBallot # 323	Cl 07 SC 7.3.2.1 P 0 L 0 MyBallot # 87 Oakes, Ivan
Comment Type T Comment Status D In Table 22 the WPA element ID is not specified. Since it is already in wide use. We need to specify it. Since it is already in wide use. We need to specify it.	Comment Type E Comment Status D defn: "wildcard noun [C] in computing, a sign that is used to represent any letter or series of letters"
SuggestedRemedy Add 221 as the WPA element ID and specify it.	SuggestedRemedy Replace "the wildcard SSID" with "any SSID will match"
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The element ID will be "vendor-specific", not WPA. See #86 for editorial resolution.	 Proposed Response Response Status W PROPOSED REJECT. Wildcard SSID is used in many instances with clear meaning. To remove it from the document would result in more confusion.
Cl 07 SC 7.3.2.1 P 0 L 0 MyBallot # 631 Dison, Tim	CI 07 SC 7.3.2.14 P 0 L 0 MyBallot # 198 Mike, Moreton
Comment Type T Comment Status D Some Vendors have a feature where APs do not broadcast the SSID. TGk is adding a beaco measurement where RSSI is measured from a beacon or probe reponse. It would be useful t allow the SSID to remain wild in the probe response so that RSSI can be measured plus the	Comment Type TR Comment Status D Placing basic rates in the extended supported rates element is very dangerous because not a recipients will understand it, and may continually try to associate with APs that will continuou reject them. (I made this comment in 11g, but it was ignored *sigh*).
SSID can remain hidden. SuggestedRemedy Add in "or Probe Response"à.	SuggestedRemedy in this element only, the "basic rate bit" should be changed to be the "mandatory rate bit" and should be used to indicate rates that must be supported by STAs that support the PHY type
Proposed Response Response Status W	
Proposed Response Response Status W PROPOSED REJECT. If this is required for work in TGk, that task groups should undertake crafting the text in their draft. This will reduce the likelihood of incompatible changes to the standard. Cl 07 SC 7.3.2.1 P0 L 0 MyBallot # 325	question. There is currently no way of signalling what these rates are, and they are required correct operation of the 11g changes. Proposed Response Response Status W PROPOSED REJECT. While it is possible to do what the commenter describes, there are methods fully compliant with the current standard to avoid this problem. It requires only that least one rate not supported by PHYs requiring support of the Extended Supported Rates
Proposed Response Response Status W PROPOSED REJECT. If this is required for work in TGk, that task groups should undertake crafting the text in their draft. This will reduce the likelihood of incompatible changes to the standard. C/ 07 SC 7.3.2.1 P 0 L 0 MyBallot # 325 Sanwalka, Anil Comment Type TR Comment Status D The change from broadcast to wildcard does not clarify the description. Might as well specifically say what it does.	question. There is currently no way of signalling what these rates are, and they are required correct operation of the 11g changes. Proposed Response Response Status W PROPOSED REJECT. While it is possible to do what the commenter describes, there are methods fully compliant with the current standard to avoid this problem. It requires only that
Proposed Response Response Status W PROPOSED REJECT. If this is required for work in TGk, that task groups should undertake crafting the text in their draft. This will reduce the likelihood of incompatible changes to the standard. Cl 07 SC 7.3.2.1 P 0 L 0 MyBallot # 325 Sanwalka, Anil Comment Type TR Comment Status D The change from broadcast to wildcard does not clarify the description. Might as well	question. There is currently no way of signalling what these rates are, and they are required correct operation of the 11g changes. Proposed Response Response Status W PROPOSED REJECT. While it is possible to do what the commenter describes, there are methods fully compliant with the current standard to avoid this problem. It requires only that least one rate not supported by PHYs requiring support of the Extended Supported Rates element be marked as a Basic Rate in the original Supported Rates element. Cl 07 SC 7.3.2.25 P 0 L 0 MyBallot # [624] Godfrey, Tim Godfrey, Tim

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 C/ 07
 SC 7.3.2.25

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CI 07 SC 7.3.2.25.3 Karcz, Kevin	P 0	L 0	MyBallot # 264	<i>Cl</i> 07 Newton, Pa	SC 7.3.2.26 aul	P 0	L 0	MyBallot # 596
Comment Type E page 112, "dot11RSNA hyphen.	Comment Status D ConfigNumberofPTKSARepla	ay-Counters	." should not have a		e "The informat	Comment Status D on element is in the standard f	ormat show	wn in x and requiresà."
Page 113, "dot11RSNA	ConfigNumberofGTKSARepl	ay-Counters	s" should not have a hyphen	Suggestea "The ir		ent is in the standard format sh	own in fiau	ure 80 and requiresà."
SuggestedRemedy edit				Proposed	Response	Response Status W	Ū	·
Proposed Response	Response Status W Editor included in draft 1.1 in	732253		C/ 07	SC 7.3.2.26	P0	LO	MyBallot # 425
C/ 07 SC 7.3.2.26	P0	L 0	MyBallot # 600	Chaplin, C		PU	LU	
Reuss, Edward		20	Nybanot # 800	<i>Comment</i> ahcei ⁿ	51	Comment Status D		
Comment Type E Spelling error - "ahceive	Comment Status D			Suggested	•			
SuggestedRemedy Change "ahceived" to "a	achieved".			achie [.] Proposed		Response Status W		
Proposed Response	Response Status W Editor included in draft 1.1 in	73226 5	ee 7 3 2 26 for editorial	PROP		Duplicate of comment #600.	See comn	nent #600 for editorial
resolution.		7.5.2.20. 5		C/ 07	SC 7.3.2.26	P 0	L 0	MyBallot # 144
Cl 07 SC 7.3.2.26 Watanabe, Fujio	P 0	L 0	MyBallot # 376	Visscher, E Comment	Туре Е	Comment Status D		
Comment Type E spell miss : ahceived	Comment Status D			Suggested	hcieved instead	of achieved		
SuggestedRemedy				fix type				
achieved				Proposed	•	Response Status W		
Proposed Response PROPOSED ACCEPT. resolution.	Response Status W Duplicate of comment #600.	. See comm	ent #600 for editorial	PROP resolut		. Duplicate of comment #600.	See comn	nent #600 for editorial

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 43 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:58 AM C/ 07 SORT ORDER: Clause, Subclause, page, line SC 7.3.2.26

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Cl 07 SC 7.3.2.26 P 0 L 0 MyBallot # 427	C/ 07 SC 7.3.2.26 P 0 L 0 MyBallot # 595
Chaplin, Clint Comment Type TR Comment Status D "The length of the information field (n) shall be 3 < n < 255." Shouldn't that be "The length of the information field (n) shall be 3 <= n <= 255."? It's unclear which fields the length field covers. SuggestedRemedy See comment. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change the text to be "3 < n <= 255". Editor included	Comment Type E Comment Status D Change "à., so that reserved information element IDs are not usurped for non-standard purposes and so that interoperability is more easily ahceived in the presence of non-standard information." SuggestedRemedy à., so that reserved information element IDs are not usurped for non-standard purposes and so that interoperability is more easily achieved in the presence of non-standard purposes and so that interoperability is more easily achieved in the presence of non-standard purposes and so that interoperability is more easily achieved in the presence of non-standard information. Proposed Response Response Status W
in draft 1.1 in 7.3.2.26. <i>Cl</i> 07 SC 7.3.2.26 <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # 566 Odman, Knut	PROPOSED ACCEPT. Duplicate of #600. See #600 for editorial resolution.
Comment Type E Comment Status D Page 113, 3rd line: word "achieved" spelled wrong SuggestedRemedy	Comment Type ER Comment Status D The text says "in the standard format shown in x". I think it is referring to the next figure (Figu 80) but I am not sure.
correct typo Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #600. See comment #600 for editorial resolution.	SuggestedRemedy Replace "x" with the proper reference. Proposed Response Response Status W PROPOSED ACCEPT. This should reference Figure 80. Editor included in draft 1.1 in
C/ 07 SC 7.3.2.26 P 0 L 0 MyBallot # 262	7.3.2.26. <i>Cl</i> 07 SC 7.3.2.26 <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # 263 Karcz, Kevin
Comment Type E Comment Status D "ahceived" is mispelled	Comment Type E Comment Status D "shown in x" should be "shown in Figure 80"
SuggestedRemedy edit	SuggestedRemedy edit
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #600. See comment #600 for editorial resolutio	Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of comment #407. See comment #407 for editorial response

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C/ 07 SC 7.3.2.26 Mike, Moreton	P 0	L 0	MyBallot # 199	C/ 07 SC 7.3.2.26 Mike, Moreton	P 0	L 0	MyBallot # 200
Comment Type ER ahceived	Comment Status D			Comment Type T Contract Type T Contract Type T Contract Type T	omment Status D clear that unlike other e	lements the	ese can be repeated.
SuggestedRemedy change to "achieved"				SuggestedRemedy After "Each vendor specific ir element may have a different			
Proposed Response PROPOSED ACCEPT. I	Response Status W Editor included in draft 1.1 ir	n 7.3.2.26.		previous vendor specific info		пау тереа	
C/ 07 SC 7.3.2.26 Godfrey, Tim Comment Type E	P 0 Comment Status D	L 0	MyBallot # 625	PROPOSED ACCEPT IN PR	RINCIPLE. The text alreation element may have	e a different	OUI value." to "Each vendor-
SuggestedRemedy	on the 3rd line. "x" is used	instead of "F	igure 80" on the 4th line.	C/ 07 SC 7.3.2.26 Bilstad, Mark	P 0	L 0	MyBallot # 571
	Response Status W Duplicate of comments #60	0 & #407. S	ee comment #600 & #407 for	Comment Type E Co In figure 80, the vendor spec length according to the text	omment Status D ific content field is show	n with a siz	e of 1 octet, but this is variab
editorial response.	P 0	L 0	MyBallot # 577	SuggestedRemedy Replace the length with the v	vord "variable"		
McCann, Stephen Comment Type E Missing Figure in text "sl	Comment Status D		,	Proposed Response Re PROPOSED ACCEPT IN PR editorial resolution.	sponse Status W RINCIPLE. Duplicate of	comment #3	377. See comment #377 for
SuggestedRemedy Change to "shown in Fig				C/ 07 SC 7.3.2.26 Karcz, Kevin	P 0	L 0	MyBallot # 261
Proposed Response	Response Status W	. See comm	ent #407 for editorial respons	Comment Type TR Co The value for the Element ID	omment Status D is not defined in the tex	kt. EID also	needs to be added to Table
				SuggestedRemedy Define the EID as 221 accord	ding to ANA.		
				Proposed Response Re PROPOSED ACCEPT IN PR table 22. Nothing for the edite		specific ele	ment ID is defined as 221 in

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CI 07 SC 7.3.2.26 P 0 L 0 MyBallot # 377 Watanabe, Fujio	C/ 07 SC 7.3.2.26; pg 113 P 0 L 0 MyBallot # 341 Hillman, Garth				
Comment Type E Comment Status D In Figure 80, the length of Vendor specific content must be longer than 1	Comment Type E Comment Status D spelling error; incorrect reference				
SuggestedRemedy revise the length of vendor specific content to "n".	SuggestedRemedy ahceived -> achieved; x -> Figure 80				
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in Figure 80 of 7.3.2.26.	Proposed ResponseResponse StatusWPROPOSED ACCEPT.Duplicate of comment #600 & #407. See comment #600 & #407 for editorial resolution.				
CI 07 SC 7.3.2.26 P 0 L 0 MyBallot # 426 Chaplin, Clint Image: Chaple of the second secon	CI 07 SC 7.3.2.9 P 0 L 0 MyBallot # 373 Watanabe, Fujio				
Comment Type TR Comment Status D "shown in x"	Comment Type E Comment Status D p.91 Table 20.1a is not existing				
SuggestedRemedy "shown in Figure 80"	SuggestedRemedy It should be Table 23.				
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of #407. See #407 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 7.3.2.9.				
C/ 07 SC 7.3.2.26; Figure 80; pg P 0 L 0 MyBallot # 342 Hillman, Garth	C/ 07 SC 7.3.2.9 P 0 L 0 MyBallot # 305 Kruys, Jan				
Comment Type T Comment Status D octets count below 'vendor specific content' incorrect	Comment Type TR Comment Status D				
SuggestedRemedy 1 -> 0-(n-3); also, you may want to indicate that 'n' covers the octets in fields OUI and Vendor	The coverage class definition is too crude to be useful at intermediate ranges. With longer range, increased guard time may be needed but this is dependent on the antenna type. Therefore Coverage class should be split in two components: Guardtime and Propagation tir SuggestedRemedy				
Specific Content.					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate of comment #377. See comment #377 for editorial resolution.	Change Coverage Class to include a guardTime parameter. Use the lower 5 bits for CCA and change the definition of the multiplier to: 0-9 = 1 usec, 10-12 = 2 usec, 21-31 = 3usec. Add Guard class as the upper three bits. Coverage Class: 0-7, multiplier for the basic guardtime (GI) defined in Table 109.				
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Jan to provide a submission with the specific text changes, before approval of this comment.				

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CI 07 SC 7.3.2.9 P 0 L 0 MyBallot # 374 Watanabe, Fujio	C/ 08 SC 8. P 0 L 0 MyBallot # 184 Mike, Moreton Image: Moreton
Comment Type E Comment Status D , allow control of BSS diameter	Comment Type T Comment Status D WEP is now so thoroughly broken that it should be removed from the standard.
SuggestedRemedy delete .	SuggestedRemedy Remove WEP and direct readers to the 1999 version of the standard for details.
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 7.3.2.9.	Proposed Response Response Status W PROPOSED REJECT. WEP is used in currently deployed products and continues to appear in new products. It is beyond the scope of this task group to remove this functionality.
C/ 08 SC 8. P 0 L 0 MyBallot # 501 Engwer, Darwin	C/ 08 SC 8.1.4 P 0 L 0 MyBallot # 283 Kruys, Jan
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focusec individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.	Comment Type E Comment Status D sub h) - the sentence does not flow SuggestedRemedy
SuggestedRemedy	Add "assumed to be" after "the transmitter is"
Resolve the inconsistencies.	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies have been identified by the commenter or the tas	PROPOSED REJECT. The sentence flow is not helped by the addition suggested.
group.	C/ 08 SC 8.2.1.2 P 0 L 0 MyBallot # 626 Godfrey, Tim
Kruys, Jan	Comment Type E Comment Status D Footnote 16 appears on the next page
Comment Type TR Comment Status D	SuggestedRemedy
Section 8 contains many references to the internal interfaces of the MLME and SME in the sense of "shall do X". it should be clear that these "shalls" do not define mandatory statement that require varification testing etc.	Correct
that require verification testing etc.	Proposed Response Response Status W
SuggestedRemedy Ideally, the MLME related material should be removed or referenced to an Annex that deals w the MLME. It may be more efficient to add a note to the beginning of this Clause that states "where referecence is made to the MLME interfaces and interface primitives, it should be understood that these refer to the informative models e.g. as presented in Annex"was clause 10". None of the statements "shall" are to be considered compliance criteria.	PROPOSED REJECT. Footnote placement is automatic in FRAME. This time pagination is better, but there is no guarantee for future drafts. Editor included in draft 1.1 in 8.2.1.2.
Proposed Response Response Status W	
PROPOSED REJECT. There is insufficient detail in the comment to identify the specific occurrences to which the commenter objects. The commenter is solicited to supply this detail in a subsequent ballot. Note: compliance requirements are identified in Annex A.	

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 7/6/2005 10:15:58 AM

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<i>CI</i> 08 Watanabe, I	SC 8.2.2.2.1 Fujio	P 0	L 0	MyBallot # 378	C/ 08 SC 8.2.2.3 P 0 L 0 MyBallot # 186 Mike, Moreton
algorith	ition items: is not			אַעאָעאָע ame body. Authentication ge text in Table 13. There is n	Comment Type TR Comment Status D Shared key authentication is known to enable dictionary attacks. SuggestedRemedy
SuggestedF revised Proposed R PROPC	Remedy baed on Table 1 Response DSED ACCEPT.	3 <i>Response Status</i> W Add "The specific items in e		messages described below is	Strongly deprecate it, and say that it should only be used for backwards compatibility in situations where dictionary attacks are defended against. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. In 8.2, the statement that is requested by the commenter already appears. No editorial resolution required.
CI 08	SC 8.2.2.2.1	, Table 13, and Table 14." I P 0	L 0	led in draft 2.0 in 8.2.2.2. MyBallot # 379	Cl 08 SC 8.2.2.3.2 P 0 L 0 MyBallot # 382 Watanabe, Fujio
Watanabe, I Comment T What Si stateme	ype TR tatus code shoul	Comment Status D I be used for the first frame	of Open Sy	stem Authentication. No	Comment Type E Comment Status D Authentication algorithm dependent information= The authentication results means challen text in Tale 13.
SuggestedF	Remedy				SuggestedRemedy revised based on Table 13
make a Proposed R	clear statement	(status code) Response Status W			Proposed Response Response Status W
PROPC Code is reserve	SED ACCEPT I reserved in the d fields are trans	N PRINCIPLE. There is a c irst frame of the open authe	entication alg	ent in Table 14 that the Status gorithm. 7.1.1 clearly states th 8, delete "and set to 0". Editor	PROPOSED ACCEPT. Add reference to Table 13 for Cahllenge Text. Cl 08 SC 8.2.2.3.2 P 0 L 0 MyBallot # 383 Watanabe, Fujio Comment Type TR Comment Status D
C/ 08 Watanabe, I	SC 8.2.2.2.2 Fujio	P 0	L 0	MyBallot # 380	What Status code should be used for the second frame of Shared System Authentication. statements
	tion items is not	Comment Status D as same as Table 13. Also	there is not	t same sequence order as Tat	SuggestedRemedy make a clear statement (status code)
Proposed R	Remedy based on Table 1	3 Response Status W			Proposed Response Response Status W PROPOSED REJECT. There is a clear statement in Table 14 that the Status Code is reserved in the first (this is what is assumed to be meant by the commenter) frame of the shared key authentication algorithm. 7.1.1 clearly states that reserved fields are transmitted with a value of zero.

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 Page 48 of 118 7/6/2005 10:15:58 AM C/ 08 SORT ORDER: Clause, Subclause, page, line SC 8.2.2.3.2

CI 08 SC 8.2.2.3.2 P 0 L 0 MyBallot # 381 Watanabe, Fujio	Cl 08 SC 8.3.3.3 P 0 L 0 MyBallot # 284 Kruys, Jan
Comment Type E Comment Status D The result code of the requested authenticationà	Comment Type E Comment Status D Text and figure are inconsistent
SuggestedRemedy The status code of the requested authenticationà	SuggestedRemedy In figure 101 change "encrypted MPDU" to "encapsulated"
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 8.2.2.3.2.	Proposed ResponseResponse StatusWPROPOSED REJECT. The text in bullet f and the figure are consistent.
C/ 08 SC 8.2.2.3.3 P 0 L 0 MyBallot # 384 Watanabe, Fujio	<i>Cl</i> 08 <i>SC</i> 8.4.10 <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # 465 Ptasinski, Henry
Comment Type TR Comment Status D What Status code should be used for the third frame Shared System Authentication statements SuggestedRemedy SuggestedRemedy make a clear statement (status code)	Comment Type TR Comment Status D on. No Deletion of PTKSA and GTKSA as described in first paragraph is too aggressive and results unnecessary loss of connectivity. In an ESS, when a STA attempts to roam to a new AP, the STA should not delete the PTKSA or GTKSA for the old AP until a successful association response is received from the new AP. It should not delete the PTKSA or GTKSA e.g. when invoking authentication with an AP to which it currently is not associated.
Proposed Response Response Status W PROPOSED REJECT. There is a clear statement in Table 14 that the Status Coor reserved in the third frame of the shared key authentication algorithm. 7.1.1 clear reserved fields are transmitted with a value of zero.	
Cl 08 SC 8.2.2.3.4 P 0 L 0 MyBallot # 388 Watanabe, Fujio Comment Type E Comment Status D The result code of the requested authentication SuggestedRemedy The status code of the requested authenticationà Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 8.2.2.3.4.	Proposed Response Response Status W PROPOSED ACCEPT. Replace "When an SME receives or invokes of any of the MLME association, reassociation, disassociation, authentication, or deauthentication request or indication primitives, or if it believes that it has drifted out of radio range of another STA, it will delete some security associations." with "When a non-AP STA SME receives a successful MLME association or reassociation confirm primitive or receives or invokes an MLME disassociation or deauthentication primitive, it will delete some security associations. Similar when an AP SME receives an MLME association or deauthentication primitive, or receives or invokes an MLME disassociation or deauthentication primitive it will delete some security associations. Editor included in draft 1.1 in 8.4.10.

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 C/ 08
 SC

Submission

SC 8.4.10

C/ 08 SC 8.4.2 P 0 L 0 MyBallot # 285 Kruys, Jan	C/ 08 SC 8.5.2 P 0 L 0 MyBallot # 428
Comment Type E Comment Status D	Comment Type TR Comment Status D "EAPOL protocol version" is used only once in this draft, is defined nowhere in this draft, and
SuggestedRemedy Insert a empty line before NOTES and spell "Notes".	does not have a refernce to a definition in any other standard. SuggestedRemedy Please define, or point to a definition.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Inserted blank line. NOTES is used consistently. Editor included in draft 1.1 in 8.4.2. Editor included in draft 1.1 in 8.4.2. C/ 08 SC 8.5.1.3 P 0 L 0 MyBallot # 464 Ptasinski, Henry P10 P10 P10 P10	 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Correct Figure 107 to include the Protocol Version (1 byte), Packet Type (1 byte) and Packet Body Length (2 bytes) above the Descriptor Type in the current figure. In the text immediately below Figure 107, change "EAPOL-key frame" to "EAPOL-key frame body". Editor included in draft 1.1 in section 8.5.2, figure 107.
Comment Type TR Comment Status D GMK concept is unnecessary, and is defined inconsistently in the draft. This clause states: "The GTK shall be derived from the GMK" and "The GTK shall be a random number", which seem to conflict. Also, clause 3 defines the GMK as: "3.51 group master key (GMK): An auxiliary key that may be used to derive a group temporal key (GTK)." Which is it, may or sha SuggestedRemedy Delete GMK and Gnonce, or at least clarify that GMK is one possible method for deriving the GTK and remove any usage of 'shall' w.r.t. the GMK. Proposed Response Response Status W PROPOSED ACCEPT. Remove "NOTES" and the numbers in front of the note items. Change "may" to "can", before update in the first note. In the second note, delete the first sentence. Then change "depicts one possible" to "depicts an example of a". Change "The Autenticator may derive" to "The Authenticator derives". Change "Here, the following" to "In this example, the following". Change "shall be a random" to "is a random". Change "GTK shall	Cl 08 SC 8.5.3.7 P 0 L 0 MyBallot # 461 McClellan, Kelly Comment Type E Comment Status D This clause contains the statement: "None of the protocols defined by IEEE Std 802.11, 1999 Edition, and IEEE P802.1X-REV permit the AS, the Authenticator, the Supplicant, or either STA to verify these assumptions." Since this now refers to the previous version of the standard, it should be updated. SuggestedRemedy Change the informative reference from "1999 Edition" to "current edition" or "200_ edition" if t statement is still true. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Changed to "this standard." Editor included in draft 1." in 8.5.3.7.
be derived" to "GTK is derived". Change "(TK) shall be" to "(TK) is". Editor included in draft 1 in 8.5.1.3.	Cl 08 SC 8.5.6 P 0 L 0 MyBallot # [286] Kruys, Jan Comment Type T Comment Status D This section describes the implementation of an entity that falls outside the scope of 802.11. I should be moved to an informative annex. SuggestedRemedy 0 Proposed Response Response Status W PROPOSED REJECT. The functionality described is required for an 802.11 RSNA

implementation to provide the correct key exchange operation.

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 10:15:58 AM
 C/ 08
 SC 8.5.6

July 2005 IEEE P802.11REV-am Draft 1.0 Co	mments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl 08 SC 8.5.6.3 P 0 L 0 MyBallot # 54 Stephens, Adrian	C/ 08 SC 8.7 P 0 L 0 MyBallot # 289 Kruys, Jan
Comment Type E Comment Status D The pseudocode is inconsistent. Left arrow and an equals sign are both used to represent assignment.	Comment Type T Comment Status D This section descriibes implementation
SuggestedRemedy The assignments of 802.1X::portValid on page 186 should be replaced with a left arrow symbol. Check also elsewhere this variable is used. Make pseudo-code snippets in the state machines (e.g. Figure 118) consistent. Proposed Response Response Status W	SuggestedRemedy It should either be part of the SDL pseudo code or moved to an informative annex. Proposed Response Response Status W PROPOSED REJECT. While purely informative, the text is very useful to provide a detailed understanding of WEP operation.
PROPOSED ACCEPT IN PRINCIPLE. The proposed changes to assignment were accepted The editor reviewed the figure and found that the = operator is used throughout the figure without confusion and did not make that requested chagne. Editor included in draft 1.1 in	Cl 09 SC 9. P 0 L 0 MyBallot # 502 Engwer, Darwin
8.5.6.3 in two places. C/ 08 SC 8.5.7 P 0 L 0 MyBallot # 287 Kruys, Jan Comment Type T Comment Status D	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy
See preceding SuggestedRemedy 0 Proposed Response Response Status W	Resolve the inconsistencies. Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies have been identified by the commenter or the tas group.
PROPOSED REJECT. The functionality described is required for an 802.11 RSNA implementation to provide the correct key exchange operation.	Cl 09 SC 9. P 0 L 0 MyBallot # 55 Stephens, Adrian 55 5
CI 08 SC 8.5.8 P 0 L 0 MyBallot # [288] Kruys, Jan Comment Type T Comment Status D There seems to be an inconsistency in that the 256 bit output is dereived from a 256 RN input together with other parameters - clarification would help. SuggestedRemedy	Comment Type ER Comment Status D There seem to be some very high clause numbers in this section (e.g. 2019.2). While we're a productive group, I suspect we won't be into this kind of range until after my retirement. SuggestedRemedy Suspect, check and correct references that start with a 4-digit string. Proposed Response Response Status
Suggesteurrenay See preceding wrt to placement of this text - maybe H.6 is better place? Proposed Response Response Status W PROPOSED REJECT. The PRF-256 is described in clause 8.5.1.1. The output of this function is 256 bits. It is not clear what needs to be clarified.	PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 51 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:58 AM C/ 09 SC 9. SORT ORDER: Clause, Subclause, page, line

0 diy 2000							400	
C/ 09 SC 9. Karcz, Kevin	P 0	L 0	MyBallot # 273	C/ 09 Watanabe	SC 9. e, Fujio	P 0	L 0	MyBallot # 386
1st paragraph of clau SuggestedRemedy edit Proposed Response	Comment Status D clause numbers within the draft se 9 for example <i>Response Status</i> W T. Duplicate. See comment #38			Suggeste Revis Proposed	e functions are e edRemedy se to the proper I Response	Comment Status D expanded on in 2019.2 and 2159 number Response Status W T. Duplicate. See comment #38		
C/ 09 SC 9.	P 0	L 0	MyBallot # 578	<i>CI</i> 09 Godfrey, ⁻	SC 9. Tim	P 0	L 0	MyBallot # 627
McCann, Stephen Comment Type E Many section 9 intern SuggestedRemedy	Comment Status D al section reference numbers a	ppear to be	e mal-formed, e.g. 2019.2	are in	se reference nur htroduced in 9.1.	Comment Status D nbers are incorrect throughout c These functions are expanded found throughout this clause		
Correct internal section	on reference numbers, e.g. 2019	9.2 -> 9.2			edRemedy cate the first 3 di	gits of references above 2000		
Proposed Response PROPOSED ACCEP	Response Status W T. Duplicate. See comment #38	36 for edito	orial resolution.	Proposed	l Response	 Response Status W T. Duplicate. See comment #38 	36 for edito	orial resolution.
Cl 09 SC 9. Chaplin, Clint Comment Type TR	P 0 Comment Status D	L 0	MyBallot # 429	<i>Cl</i> 09 Chaplin, (SC 9.1.1 Clint	Р 0	L 0	MyBallot # 430
"These functions are of each is provided. F Multirate support is a in 2269.7. Finally, a n reordered or discarde though quite a few re SuggestedRemedy	expanded on in 2019.2 and 215 ragmentation and defragmentat ddressed in 2249.6. The allowal umber of additional restrictions d are described in 2289.8." The ferences in this chapter have the	tion are co ole frame e to limit the ose referer	vered in 2239.4 and 2249.5. exchange sequences are listec cases in which MSDUs are nces are incorrect; it seems as	Suggeste Corre Proposed PROI	rect section refe edRemedy ect I Response POSED REJEC	Comment Status D rences Response Status W T. It is unclear from the comme	nt to which	n references the commenter
Correct Proposed Response PROPOSED ACCEP	Response Status W T. Duplicate. See comment #3	86 for edit	orial resolution.	refers	э.			

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 Page 52 of 118 7/6/2005 10:15:58 AM C/ 09 SORT ORDER: Clause, Subclause, page, line

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Bob O'Hara, Cisco Systems

SC 9.1.1

doc: IEEE 802.11-05/0482r2

C/ 09 SC 9.1.1 Watanabe, Fujio	P 0	L 0	MyBallot # 387	C/ 09 SC 9.1.4 Stephens, Adrian	P 0	L 0	MyBallot # 56
Comment Type ER see 2029.2.1, in 2019.	Comment Status D 2,					ures the normative	requirements for fragmentatio
SuggestedRemedy revise to the proper nun	ber				ve an MSDU + Header ulation for privacy is lon		e fragmentation threshold,
				SuggestedRemedy			
Proposed Response PROPOSED ACCEPT.	Response Status W Duplicate. See comment #3	386 for edito	rial resolution.	transformational pro	cess that takes entities	of type A and turns	ave a really strong view of a them into type B. We don't did, we'd have names for thir
C/ 09 SC 9.1.3 Kruys, Jan	P 0	L 0	MyBallot # 290		al integrity check" and N		
Comment Type E The words "co-existence the DCF/PCF rules laid		nfusing and	not consistent with the rest of		rity check, plus optiona		agmented if the MSDU, plus us MPDU header and
SuggestedRemedy				Proposed Response	Response Status	w	
Replace with: 9.1.3 Con two access methods alt			PC is operating in a BSS, the is described in greater deta	PROPOSED ACCE for editorial resolution		resolution to comm	nent 347. See comment #347
in 2159.3 Proposed Response PROPOSED ACCEPT I	Response Status W N PRINCIPLE. The sentence	e was rewrit	ten. Editor included in draft	Cl 09 SC 9.1.4 Edwards, Bruce	P 0	L 0	MyBallot # 408
1.1 in 9.1.3.				Comment Type TR	Comment Status	D	
	P 0	L 0	MyBallot # 391	confusing. I don't thi	nk that the MAC header	and FCS are received	received from the LLCà" is ved from the LLC. I think that J produced from an MSDU.
Comment Type TR	Comment Status D			SuggestedRemedy			
51		e received fr	om the LLC. This is not true,	Fix up the text to be	more explicit about talk	ing about the length	l.
only MSDU is received				Proposed Response	Response Status	w	
SuggestedRemedy Fix.				, ,	•		omment #347 for editorial
Proposed Response	Response Status W	ion to comm	ent 347. See comment #347				

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Bob O'Hara, Cisco Systems

SC 9.1.4

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CI 09 SC 9.1.4 P 0 L 0 MyBallot # 434 Raissinia, Ali	Cl 09 SC 9.1.4 P 0 L 0 MyBallot # 201 Mike, Moreton
Comment Type TR Comment Status D	Comment Type TR Comment Status D
The added comment shows that the LLC layer needs to send down the MAC header and FC field. Since FCS field is generated within MAC, I don't see any reason to pass it down as it's really useful.	n MMPDU is received from the MLME with a length greater than adot11FragmentationThreshold," (1) LLC doesn't send "MSDU , plus MAC header and FCS
SuggestedRemedy	just sends MSDU. (2) What about MSDUs received from the DS?
Remove FCS from that added text	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See resolution to comment 347. See comment #347 for editorial resolution.	The reason why it's difficult to write good text to describe this is that it's trying to combine MMPDU and MSDU fragmentation when those things are at totally different levels of the architecture. If the whole of 9.1.4 was rewritten to talk in terms of MPDU fragmentation (as fact the second paragraph already does) then it would flow much more easily.
C/ 09 SC 9.1.4 P 0 L 0 MyBallot # 347 Black, Simon	 Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See the resolution to comment 347. See resolution comment 347. See comment #347 for editorial resolution.
Comment Type TR Comment Status D The text 'When a directed MSDU, plus MAC header and FCS, is received from the LLC' is no correct. The latter items are not received from LLC - only the MSDU is.	C/ 09 SC 9.10 P 0 L 0 MyBallot # 65 Stephens, Adrian
SuggestedRemedy Replace with 'When a directed MSDU is received from the LLC or a directed MMPDU is	Comment Type E Comment Status D The heading is too generic as this is a concern only to ERP-OFDM phy usage.
received from the MLME that would result in a length greater than adot11FragmentationThreshold when the MAC header and FCS are added, the MSDU or MMPDU shall be fragmented.	SuggestedRemedy Call it ERP OFDM Protection Mechanism
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 9.1.4.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate with #300. See #300 for editorial resolution
	C/ 09 SC 9.10 P 0 L 0 MyBallot # 300 Kruys, Jan
	Comment Type E Comment Status D "Protection Mechanism" is imprecise and
	SuggestedRemedy Change to "Protection mechanisms for non-ERP receivers".
	Proposed Response Response Status W

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PROPOSED ACCEPT. Editor included in draft 1.1 in 9.10

Bob O'Hara, Cisco Systems

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

CI 09 SC 9.2 P 0 L 0 M Tolpin, Alexander	lyBallot # 251	C/ 09 SC 9.2 P 0 L 0 MyBallot # 57 Stephens, Adrian 57
Comment Type TR Comment Status D "à shall only consider the frame body as the basis of a possible indic	cationà"	Comment Type TR Comment Status D "CS shall be performed by both physical and virtual mechanisms".
This is utterly meaningless. SuggestedRemedy Remove containing sentence. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Replace "only consider the f a possible indication to LLC" with "not indicate a data frame to LLC v null." Editor included in draft 1.1 in 9.2.	rame body as the basis o when the frame body is <i>tyBallot #</i> <u>597</u> mib variables are now e text in the same	Sigh, Sigh, Sigh. Shall is supposed to introduce a normative requirement, and it is as clear a mud what this introducing. It sounds more like a normative requirement on the writers of the protocol to include destails to support both physical and virtual mechanisms.

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 SC 9.2

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C/ 09 SC 9.2 Watanabe, Fujio	P 0	L 0	MyBallot # 389	C/ 09 Sanwalka, /	SC 9. Anil	2.10	P 0	L 0	MyBallot # 328
This statement is not of transmission. SuggestedRemedy Make a clear statemen Proposed Response PROPOSED REJECT.	t for understanding. <i>Response Status</i> W The readers interpretation of	nission of ∣ what this n	RTS will have a higher priority	use of Suggested Remov Proposed F PROPO	w value EIFS is r Remedy e the DII Response DSED RI	equired FS from e EJECT.	(shall) the new equation must the equation. <i>Response Status</i> W	resolve to solves to	acy 11 and 11b MACs. Since the old value for legacy radio exactly the same value for the
Cl 09 SC 9.2 Watanabe, Fujio	P 0	g an advar L 0	tage of the RTS/CTS system. <i>MyBallot</i> # 388	<i>Cl</i> 09 Mike, More	SC 9. ton	2.3.4	P 0	L 0	MyBallot # 202
SuggestedRemedy Make a clear statemer Proposed Response	Comment Status D able to receive from the origina t. Receive a data frame from t <i>Response Status</i> W IN PRINCIPLE. Punctuation v correct statement.	he originat	ing STA, à	preced slot ref <i>Suggestedi</i> I think t to redu Well if y rule be	erns me ence? In erence p Remedy he big e ce the ch you're go comes: (n fact bo oint, TG rror in E nance of bing to ke 1) On in	m the NAV problem), so neith FS is triggering it at all when I you trashing the ACK when y eep quiet for that period anywa correct frame RX switch to EIF	NAV is se ou don't re ay then th FS if EIFS	ent problems with EIFS (TGe t that desirable. t. EIFS is really a mechanism eceive the data frame correctly ere's no point in triggering it. \$
C/ 09 SC 9.2.1 Oakes, Ivan Comment Type E	P 0 Comment Status D	L 0	MyBallot # 83	to DIFS Proposed F PROPO	s. Response	e CCEPT.	Response Status W	,	requested. There is nothing fc
SuggestedRemedy Fix cross references Proposed Response	5.4", also in 9.2.2 three times <i>Response Status</i> W . Duplicate. See comment #38					0176.			

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 C/ 09
 SC

SC 9.2.3.4

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-									
C/ 09 SC 9.2.3	.4 P 0	L 0	MyBallot # 59	C/ 09		9.2.4	P 0	L 0	MyBallot # 203
Stephens, Adrian				Mike, Mor	eton				
Comment Type TR				Comment		TR	Comment Status D		
of the expression).			verbosity" (that's the PC versic				ere was an interpretation that aybe it would be a good idea		
The problem is we normative sentence	're trying to say something cor	nplex, and we	heap normative sentence on	Suggeste	dRemec	dy			
What we actually n	need is some diagrammatic rep		such as a state machine) that is	See c	ommen	t			
normative. This makes life a lot easier for the non-native English speakers, and makes interpretation less error-prope				Proposed	Respor	nse	Response Status W		
interpretation less error-prone.							It is not at all clear what the		r is requesting. If there is
SuggestedRemedy				interp	retation	request o	r response on this issue, plea	ase cite it.	
Let's have a nice block diagram or state machine showing how the various counters and time relate. (The SDL in the Annexes is not adequate for this purpose, although SDL would be one valid representation of a state machine that could be used at this point (but It wouldn't be my first choice)).				C/ 09	SC	9.2.5.1	P 0	L 0	MyBallot # 634
				Inoue, Yas	suhiko				
				Comment	Туре	Е	Comment Status D		
Proposed Response					Wrong reference:				
PROPOSED REJECT. The text is clear and concise. The commenter is solicited to provide a				"à when a STA desires to initiate the initial frame of one of the frame exchanges describe 2269.7"					
diagram or other fo	ormal description that improves	s upon the text	i.	UN de s			- las sitters also soites d'is 0000 d		- (-1)
CI 09 SC 9.2.3	.4 P 0	L 0	MyBallot # 601	"a the	random	n backoff	algorithm described in 2069.2	2.5.2 shall b	e followed."
Reuss, Edward					e are co thm"	onditions,	specified in 2069.2.5.2 and 2	099.2.5.5, v	vhere the random backof
Comment Type E	Comment Status D			Suggeste		tv			
Word choice error	"later" versus "latter"			00	7> 9.7				
SuggestedRemedy				2200.					
Change "later" to "	latter".			2069.	2.5.2>	> 9.2.5.2			
Proposed Response	Response Status W			2099.	2.5.5>	> 9.2.5.5			
PROPOSED REJE	ECT. Editor believes the word	usage it correc	ct in this case.	Proposed	Respor	nse	Response Status W		
CI 09 SC 9.2.4	P 0	L 0	MyBallot # 272	PROF	POSED	ACCEPT	Duplicate. See comment #3	86 for edito	rial resolution.
Karcz, Kevin									
Comment Type E	Comment Status D 2269.7" should be "9.7"								
SuggestedRemedy									
edit									
	Response Status W								
Proposed Response	EPT. Duplicate. See comment	#286 for adita							

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 SC 9.2.5.1

Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

Cl 09 SC 9.2.5.2 P0 L0 MyBallot # 635 Inoue, Yasuhiko Cl 09 SC 9.2.5.4 P0 L0 MyBallot # 2 Comment Type E Comment Status D Mike, Moreton Mike, Moreton Wong reference: "The backoff procedure shall also be invoked when a transmitting STA infers a failed transmission as defined in 2119.2.5.7 or 2129.2.8." Similar corrections will be necessary for the rest of this subclause. SuggestedRemedy CARESET and which can't? Why not always send it, and leave it to the PHY with it? SuggestedRemedy 2119.2.5.7> 9.2.5.7 2129.2.8> 9.2.8 Poposed Response Response Status W PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution. Proposed for editorial resolution. Po L0 MyBallot # 2	PHY-				
Comment Type E Comment Status D Wong reference: "The backoff procedure shall also be invoked when a transmitting STA infers a failed transmission as defined in 2119.2.5.7 or 2129.2.8." Why place the requirement on the MAC to know which PHYs can make use of PCCARESET and which can't? Why not always send it, and leave it to the PHY with it? Similar corrections will be necessary for the rest of this subclause. SuggestedRemedy 2119.2.5.7> 9.2.5.7 2129.2.8> 9.2.8 Proposed Response Response Status W Proposed Response Po L0 MyBallot # [2]					
Wong reference: "The backoff procedure shall also be invoked when a transmitting STA infers a failed transmission as defined in 2119.2.5.7 or 2129.2.8." Why place the requirement on the MAC to know which PHYs can make use of PCARESET and which can't? Why not always send it, and leave it to the PHY with it? Similar corrections will be necessary for the rest of this subclause. SuggestedRemedy 2119.2.5.7> 9.2.5.7 Delete "for those PHYs that provide a PHY-CCARESET.request primitive" Proposed Response Response Status W Proposed Response Response Status W Cl 09 SC 9.2.5.4 P0 L0 MyBallot # [2]					
"The backoff procedure shall also be invoked when a transmitting STA infers a failed transmission as defined in 2119.2.5.7 or 2129.2.8." CCARESET and which can't? Why not always send it, and leave it to the PHY with it? Similar corrections will be necessary for the rest of this subclause. SuggestedRemedy SuggestedRemedy Delete "for those PHYs that provide a PHY-CCARESET.request primitive" 2129.2.8> 9.2.8 Proposed Response Proposed Response Response Status W CI 09 SC 9.2.5.4 Po Lo MyBallot # [2]					
Similar corrections will be necessary for the rest of this subclause. SuggestedRemedy 2119.2.5.7> 9.2.5.7 2129.2.8> 9.2.8 Proposed Response Response Status W Proposed Response Response Status W CI 09 SC 9.2.5.4 P0 L0 MyBallot # [2]					
SuggestedRemedy 2119.2.5.7> 9.2.5.7 2129.2.8> 9.2.8 Proposed Response Proposed Response Response Status W CI 09 SC 9.2.5.4 P0 L0 MyBallot # [2]					
2129.2.8> 9.2.8 PROPOSED ACCEPT. Editor included in draft 1.1 in 9.2.5.4. Proposed Response Response Status W Cl 09 SC 9.2.5.4 P0 L0 MyBallot # [2]					
Proposed Response Response Status W Cl 09 SC 9.2.5.4 P 0 L 0 MyBallot # 2					
PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution. Mike, Moreton	07				
C/ 09 SC 9.2.5.3 P 0 L 0 MyBallot # [435] Comment Type TR Comment Status D Raissinia, Ali Comment Type TR Comment Status D While there are numeric definitions of PHY-RX-START-Delay there doesn't seer textual description of it. Comment Type TR Comment Status D	n to be any				
Comment Type E Comment Status D SuggestedRemedy					
There is a typo on the 3rd paragraph regarding the section 2119.2.5.7 This should be section 9.2.5.7. Similarly, in 4th paragraph the referred section is 2129.2.8 and it should be 9.2.8. It Refer to where it's described, or add a description.	Refer to where it's described, or add a description.				
looks like this is a common problem in several more sections. Proposed Response Response Status W					
SuggestedRemedy PROPOSED ACCEPT. A description of the parameter will be placed in the PHY Make the corrections. There is nothing for the editor to resolve for this item as each PHY is covered by	′ clauses. ′ seprate				
Proposed Response Response Status W comments.					
PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.	36				
C/ 09 SC 9.2.5.3 P 0 L 0 MyBallot # 204 Mike, Moreton Comment Type E Comment Status Wong reference.					
Comment Type ER Comment Status D "the STA shall perform the ACK procedure, as SuggestedRemedy					
SuggestedRemedy Proposed Response Response Status W					
Correct section number. (There's also a 2189.3.2.2. later) PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.					
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.					

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 RESPONSE STATUS: O/open W/written C/closed
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 C/ 09
 SC 9.2.5.4

2						. ,		
C/ 09 SC 9.2.5.4 Miki, Morgan	P 0	L 0	MyBallot # 252	<i>Cl</i> 09 Gohda, V	SC 9.2.5.4 /ataru	P 0	L 0	MyBallot # 21
Comment Type TR No reason to conside	Comment Status D er aPHY-RX-STARTDelay. See	comments	on section 9.2.5.7 and 9.2.	Commen 3. No re		Comment Status D HY-RX-STARTDelay. See my d	comments	on section 9.2.5.7 and 9.2.8
SuggestedRemedy Remove aPHY-RX-S	TART-Delay from the paragrap	h		00	dRemedy ove aPHY-RX-S	TART-Delay from the paragraph	ı	
	Response Status W T. The equation is correct. The se correct. This parameter acco			ne PRO d of the		Response Status W T. The equation is correct. The e correct. This parameter acco		
C/ 09 SC 9.2.5.4 Mike, Moreton	P 0	L 0	MyBallot # 206	<i>Cl</i> 09 Edney, Jo	SC 9.2.5.4	P 0	L 0	MyBallot # 249
reasonable when the	Comment Status D ng you to clear NAV if you don' standard was first written, but v around, I don't think it's sensible	with all the p	S should be deleted. It was	Illy Suggeste Corre Proposed	d not find section dRemedy ect section refere I Response		6 for edito	rial resolution.
Proposed Response PROPOSED REJEC protection mechanisn	Response Status W T. The issue is already addres ns.	sed in 9.10,	in the discussion of the	<i>Cl</i> 09 Raissinia	SC 9.2.5.4 , Ali	P 0	L 0	MyBallot # 4 <u>36</u>
C/ 09 SC 9.2.5.4 Ohtani, Yoshihiro	P 0	L 0	MyBallot # 30	Commen The	51	Comment Status D des aPHY-RX-START-Delay. N	ot sure wh	y we need this addition.
Comment Type TR Comment Status D No reason to keep aPHY-RX-STARTDelay. See my comments on section 9.2.5.7 and 9.2.8. SuggestedRemedy Remove aPHY-RX-START-Delay from the paragraph		Pleas	<i>dRemedy</i> se clarify or Rem	ove it.				
		Proposed PRO		Response Status W T. Definition of the term wil be a to resolve for this item as each				
Proposed Response	Response Status W				0			, ,
PROPOSED REJEC	T. The equation is correct. The equation is correct. The							

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PLCP header.

July 2005

doc: IEEE 802.11-05/0482r2

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 09	SC 9.2.5.7	P 0	L 0	MyBallot # 348	
D D .					

Black, Simon

Comment Type TR Comment Status D

I'm not sure how the revised text here for CTSTimeout here works. Consider the HRDSSS PHY. We are told in clause 18 that the value of aPHY-RX-START-Delay is 0us. So after the end of an RTS frame we wait for aSIFS (10us) and aSlot (20us) + aPHY-RX-START-Delay (0us). If the CTS had occured, after SIFS correctly, we would (incorrectly) call a timeout 20us into the preamble. The MAC doesn't know about the CTS (ignoring a CCA indication) until PH RX-START.ind at the end of the PCLP header (this is what is used later in the clause to stop the timer). I thought maybe aPHY-RX-START.Delay was the length of time from the start of the packet to the PHY-RX-START, but then that doesn't make sense with it being 0 for the HRDSSS PHY (a secondary point that doesn't help is that aPHY-RX-START-Delay is given a value in the PHY clauses but we never really learn what the start and end points of this perioc are).

SuggestedRemedy

Please reviewà and at least define what the reference points for aPHY-RX-START-Delay are.

Proposed Response Response Status W

PROPOSED ACCEPT. PHY-RX_Start-Delay will be correctly defined and assigned a proper value in the PHY clauses.

There is nothing for the editor to resolve for this item as each PHY is covered by separate comments.

C/ 09	SC 9.2.5.7	P 0	L 0	MyBallot # 22

Gohda, Wataru

Comment Type TR Comment Status D

The paragraph starting with "After transmitting an RTS frame," is very problematic.

For example, in case of successful sequence of 11b, PHY-RXSTART.indication will occur afte 202us (=10us:aSIFSTime + 144us:preamble + 48us:PLCPHeader) after PHY-TXEND.confirm while CTSTimeout = 30us. This means that CTSTimeout will be expired even for successful case and it makes no sense.

For OFDM PHYs, I don't understand where 24us comes from for aPHY-RX-START-Delay. It looks like CTSTimeout is too long (almost CTS frame length) and there could be the case that another STA rather than sending/receiving STA might interrupt this sequence.

After careful consideration based on above observation, the point of my suggestions are follow

- CTSTimeout will be expired if a PHY-CCA.indication(busy) does not occuer.

- No reason to keep aPHY-RX-START-Delay.

- aRXTXTurnaroundTime/aMACProccessingDelay should be taken into account for precise calculation.

SuggestedRemedy

Replace "a value of aSIFSTime + aSlotTime + aPHY-RX-START-Delay" with "a value of aSIFSTime + aSlotTime - aRXTXTurnaroundTime - aMACProccessingDelay"

Replace "If a PHY-RXSTART.indication does not occur" with "If a PHY-CCA.indication(busy) does not occur".

Replace "If a PHY-RXSTART.indication does occur" with "If a PHY-CCA.indication(busy) doe: occur"

Replace "the STA shall wait for the corresponding PHY-RXEND.indication to determine whether the RTS transmission was successful." with "the STA shall wait for the corresponding PHY-RXSTART.indication and PHY-RXEND.indication to determine whether the RTS transmission was successful."

Proposed Response Response Status W

PROPOSED REJECT. The value for the PHY-RXSTART-Delay is not correct for the 11b PHY. It will be corrected.

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 C/ 09
 SC 9.2.5.7

Comment	t Type TR	com	ment Status D			Sanwalka, Ani Comment Typ
				Not sure why	we need this addition.	Specifying
	dRemedy					implement SuggestedRer
	e clarify or R		_			Change th
PRO		EPT. The par			Y clauses. There is nothing separate comments.	Proposed Res PROPOSE length of ti
<i>CI</i> 09 Miki, Morg	SC 9.2.5 gan	5.7	P 0	L 0	MyBallot # 253	iongin of a
	nodification "			tTime + aPH	Y-RX-START-Delay" made ir	
144u:	s:preamble +	48us:PLCPH	RT.indication will be eader) after PHY-T> xpired even for succ	KEND.confirr	n. However, CTSTimeout is	
CTST	imeout is too	o long (almost		and there co	ay) is necessary. It looks like uld be a 3rd STA which is not	
Thus, instea		ion is to consi	der aRXTXTurnarou	IndTime and	aMACProccessingDelay	
motor	dRomody					
	unterneuy					
Suggeste Repla	ace "a value (+ aSlotTime + aPH` XTurnaroundTime -		Г-Delay" with "a value of essingDelay"	

X 09	SC 9.2.5.7	P 0	LO	MyBallot #	326

nil

Comment Status D pe TR

ng a required (shall) value for ctsTimeout is problematic now. There are a number of ntation in existence that probably wait longer. This would make them non-compliant

emedy

the sentence to state "with a value greater than à"

esponse Response Status W

SED REJECT. If a STA has waited for a period as specified and then an additional f time, the STA has waited for the initial specified time. It is compliant.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 61 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:59 AM C/ 09 SORT ORDER: Clause, Subclause, page, line

SC 9.2.5.7

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 09 SC 9.2.5.7 P 0 L 0 MyBallot # 31 Ohtani, Yoshihiro	CI 09 SC 9.2.5.7 P 0 L 0 MyBallot # 208 Mike, Moreton
Comment Type TR Comment Status D The paragraph starting with "After transmitting an RTS frame," is very problematic.	Comment Type TR Comment Status D PHY-RX-START-Delay seems to increase the chance of mis-aligned slots for OFDM phys, and hence will increase the number of collisions.
For example, in case of successful sequence of 11b, PHY-RXSTART.indication will occur afte 202us (=10us:aSIFSTime + 144us:preamble + 48us:PLCPHeader) after PHY-TXEND.confirm while CTSTimeout = 30us. This means that CTSTimeout will be expired even for successful case and it makes no sense.	SuggestedRemedy Require PHY-RX-START-Delay to rounded up to a whole number of slot times. (maybe simplest would be to change the units from time to slots) Proposed Response Response Status W
For OFDM PHYs, I don't understand where 24us comes from for aPHY-RX-START-Delay. It looks like CTSTimeout is too long (almost CTS frame length) and there could be the case that another STA rather than sending/receiving STA might interrupt this sequence.	PROPOSED REJECT. The values for the PHY-RXSTART-Delay are being corrected. Plea renew this comment if you continue to believe this problem persists.
After careful consideration based on above observation, the point of my suggestions are follow - CTSTimeout will be expired if a PHY-CCA.indication(busy) does not occuer. - No reason to keep aPHY-RX-START-Delay. - aRXTXTurnaroundTime/aMACProccessingDelay should be taken into account for precise calculation.	Cl 09 SC 9.2.5.8 P 0 L 0 MyBallot # 438 Raissinia, Ali Comment Type TR Comment Status D D The added text includes aPHY-RX-START-Delay. Not sure why we need this addition.
iggestedRemedy Replace "a value of aSIFSTime + aSlotTime + aPHY-RX-START-Delay" with "a value of aSIFSTime + aSlotTime - aRXTXTurnaroundTime - aMACProccessingDelay" Replace "If a PHY-RXSTART.indication does not occur" with "If a PHY-CCA.indication(busy)	SuggestedRemedy Please clarify or Remove it. Proposed Response Response Status W PROPOSED ACCEPT. See resolution to comment 437. See #437 for editorial resolution.
does not occur". Replace "If a PHY-RXSTART.indication does occur" with "If a PHY-CCA.indication(busy) does occur"	Cl 09 SC 9.2.8 P 0 L 0 MyBallot # 327 Sanwalka, Anil Comment Type TR Comment Status D
Replace "the STA shall wait for the corresponding PHY-RXEND.indication to determine whether the RTS transmission was successful." with "the STA shall wait for the corresponding PHY-RXSTART.indication and PHY-RXEND.indication to determine whether the RTS transmission was successful."	Specifying a required (shall) value for ackTimeout is problematic now. There are a number o implementation in existence that probably wait longer. This would make them non-compliant SuggestedRemedy Change the sentence to state "with a value greater than à"
roposed Response Response Status W PROPOSED REJECT. See resolution to comment 22.	Proposed Response Response Status W PROPOSED REJECT. See resolution to comment 326.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 C/ 09
 SC 9.2.8

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 09 SC 9.2.8 P 0 L 0 MyBallot # 210 Mike, Moreton	C/ 09 SC 9.2.8 P 0 L 0 MyBallot # 254			
Comment Type TR Comment Status D "without regard to the busy/idle state of the medium." Does this mean CS busy, or physical medium busy? The spec could do with being clearer on this in a lot of places.	Comment Type TR Comment Status D The modification "with a value of aSIFSTime + aSlotTime + aPHY-RX-START-Delay" made ir this clause adds the followig issues:			
SuggestedRemedy replace with "without regard to the busy/idle state of the CS mechanism" Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 9.2.8.	For 11b systems, PHY-RXSTART.indication will be 202us (=10us:aSIFSTime + 144us:preamble + 48us:PLCPHeader) after PHY-TXEND.confirm. However, ACKTimeout is 30us and ACKTimeout will be expired even for successful transmissions. For OFDM PHYs, it is unclear why 24us (aPHY-RX-START-Delay) is necessary. It looks like			
Cl 09 SC 9.2.8 P 0 L 0 MyBallot # 349 Black, Simon	ACKTimeout is too long (almost ACK frame length) and there could be a 3rd STA which is n sending/receiving, that might interrupt this sequence. Thus, the suggestion is to consider aRXTXTurnaroundTime and aMACProccessingDelay instead.			
Comment Type TR Comment Status D See this authors comment on CTSTimeout (9.2.5.7). Same applies here for ACKTimeout.				
SuggestedRemedy See this authors comment on CTSTimeout (9.2.5.7). Same applies here for ACKTimeout.	SuggestedRemedy Replace "a value of aSIFSTime + aSlotTime + aPHY-RX-START-Delay" with "a value of aSIFSTime + aSlotTime - aRXTXTurnaroundTime - aMACProccessingDelay"			
Proposed ResponseResponse StatusWPROPOSED ACCEPT. See resolution to comment 348.	Proposed ResponseResponse StatusWPROPOSED REJECT.See resolution to comment 22.			
No further action by the editor is required to resolve this comment.	C/ 09 SC 9.2.8 P 0 L 0 MyBallot # 209 Mike, Moreton			
	Comment Type TR Comment Status D PHY PHY-RX-START-Delay seems to increase the chance of mis-aligned slots for OFDM phys, and hence will increase the number of collisions. PHY			
	SuggestedRemedy Require PHY-RX-START-Delay to rounded up to a whole number of slot times. (maybe simplest would be to change the units from time to slots)			

Proposed Response Response Status W

PROPOSED REJECT. This is not likely to cause the problem described by the commenter. I the ACK is lost and there are no other STAs transmitting, synchronizing to slot boundaries is not required. If another STA does transmit while the STA that did not receive the expected ACK is in backoff, that other STA's transmission will provide slot resynchronization. If the problem did exist, rounding to slots would only make the collision probability greater, not lesse than the specified behavior.

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 SC 9.2.8

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 09 SC 9.2.8 Ohtani, Yoshihiro	P 0 L 0	MyBallot # 32	C/ 09 SC 9.2.8 P 0 L 0 MyBallot # 23					
Comment Type TR Comment Sta It seems that the definition of ACKTimed successful frame exchange sequence for 202us (= aSIFSTime + preamble + PLC ACKTimeout = 30us. This means that A SuggestedRemedy	out is illegally provided. or 802.11b PHY, PHY-R CPHeader) after PHY-T.	XSTART.indication occurs XEND.confirm, while	Comment Type TR Comment Status D The paragraph starting with "After transmitting an MPDU that requires an ACK frame as a response" is very problematic. For example, in case of successful sequence of 11b, PHY-RXSTART.indication will occur 202us (=10us:aSIFSTime + 144us:preamble + 48us:PLCPHeader) after PHY-TXEND.con					
Fix it.			while ACKTimeout = 30us. This means that ACKTimeout will be expired even for successful case and it makes no sense.					
Proposed Response Response Status W PROPOSED REJECT. See resolution to comment 22.	For OFDM PHYs, I don't understand where 24us comes from for aPHY-RX-START-Delay. It looks like ACKTimeout is too long (almost ACK frame length) and there could be the case tha another STA rather than sending/receiving STA might interrupt this sequence.							
		After careful consideration based on above observation, the point of my suggestions are follo - ACKTimeout will be expired if a PHY-CCA.indication(busy) does not occuer. - No reason to keep aPHY-RX-START-Delay. - aRXTXTurnaroundTime/aMACProccessingDelay should be taken into account for precise calculation.						
			SuggestedRemedy					
			Replace "a value of aSIFSTime + aSlotTime + aPHY-RX-START-Delay" with "a value of aSIFSTime + aSlotTime - aRXTXTurnaroundTime - aMACProccessingDelay"					
		Replace "If a PHY-RXSTART.indication does not occur" with "If a PHY-CCA.indication(busy) does not occur".						
		Replace "If a PHY-RXSTART.indication does occur" with "If a PHY-CCA.indication(busy) doe occur"						
		Replace "the STA shall wait for the corresponding PHY-RXEND.indication to determine whether the MPDU transmission was successful." with "the STA shall wait for the corresponding PHY-RXSTART.indication and PHY-RXEND.indication to determine whether the MPDU transmission was successful."						
			Proposed Response Response Status W					

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 C/ 09
 SC 9.2.8

CI 09 SC 9.3 P 0 L 0 MyBallot # [Stephens, Adrian	60 <i>Cl</i> 09 SC 9.3.2.1 Sanwalka, Anil	P 0	L 0	MyBallot # 329
Comment Type TR Comment Status D "Frames sent during under the DCF Function". This is a normative specificat DCF. It is present in the DCF. It is redundant (and ungrammatical).	ion for the Comment Type T This change again pote know that there are imp	Comment Status D ntially make legacy complia lementations that do not do		n-compliant. In this case I don
SuggestedRemedy Remove this sentence.	SuggestedRemedy Change the shall to a sl	nould.		
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 9.3. Cl 09 SC 9.3 P 0 L 0 MyBallot #	implementation built to t 462 transmission. The spec	PROPOSED REJECT. The change does not make prior implementations not implementation built to the prior language would also wait for 1 SIFS period b transmission. The specification does not say that the transmission after this of		SIFS period before
McClellan, Kelly Comment Type E Comment Status D The reference " Figure 122 (in 1999.1)" should be changed to the correct refer	immediately. <i>Cl</i> 09 SC 9.3.3.2 ence. Kruys, Jan	P 0	L 0	MyBallot # 291
SuggestedRemedy Change to "Figure 122 (in Clause 9.1)".	Comment Type T This section is advisory	Comment Status D , there are other ways to acl	hieve the rea	quired operational behavior
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.	SuggestedRemedy All "shall" must be chan	ged to "should".		
C/ 09 SC 9.3.2.1 P 0 L 0 MyBallot # [Stephens, Adrian	61 Proposed Response PROPOSED ACCEPT. editor to resolve.	Response Status W The section is not advisory	v, but normat	tive. There is nothing for the
Comment Type TR Comment Status D The third para: "If there are buffered multicast à frames." This addition is wrong frames can only be transmitted after a beacon with a zero DTIM count, if there		P 0	L 0	MyBallot # 62
savers. SuggestedRemedy	Comment Type TR "maximum-sized MAC f	Comment Status D rame, expanded by WEP"	This ignores	RSNA
I think this may be partly redundant with 9.3.3.1 "if there are associated à the b multicasts with a value of 0".	Suggesteurieuy	WEP" with something non-s	pecific to W	EP.
Either fix it in situ, or descrive in 9.3.3.1 what hapeens if there are no assocaite mode.	11000001100	Proposed Response Response Status W		
Proposed Response Response Status W PROPOSED ACCEPT. Add a reference to 9.3.3.1 at the end of the last senter second paragraph: ", as described in 9.3.3.1" The text on multicast operation is	mechanisms". Editor inc	PROPOSED ACCEPT. Replace "expanded by WEP" with "expanded mechanisms". Editor included in draft 1.1 in 9.3.3.3 and 9.3.3.		

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 C/ 09
 SC 9.3.3.3

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Cl 09 SC 9.3.3.3 P 0 L 0 MyBallot # 292	CI 09 SC 9.4 P 0 L 0 MyBallot # 64 Stephens, Adrian
Comment Type T Comment Status D Same as preceding -	Comment Type TR Comment Status D "before WEP processing". Again, some generic means to refer to expansion as a result of th security encapsulation operation is required.
SuggestedRemedy replace first "shall" with "should"	SuggestedRemedy Replace with a generic term.
Proposed Response Response Status W PROPOSED REJECT. Same as preceeding, see resolution to comment 291. There is nothin for the editor to resolve.	Proposed Response Response Status W PROPOSED ACCEPT. Replace "before WEP processing" with "before processing by the security mechanism" Editor included in draft 1.1 in 9.4.
Cl 09 SC 9.3.3.4 P 0 L 0 MyBallot # 293 Image: Cl Cl Cl Cl Cl Cl MyBallot # 293 Image: Cl	Cl 09 SC 9.4 P 0 L 0 MyBallot # 567 Odman, Knut
Comment Type T Comment Status D The last sentence does not specify a testable requirement SuggestedRemedy	Comment Type E Comment Status D Page 223. Check all occurances of "an MPDU". The changes will sometimes cause it to
replace first "shall" with "should"	become "a MPDU", which is wrong.
Proposed Response Response Status W	SuggestedRemedy correct typos
PROPOSED REJECT. The condition does appear to be testable.	Proposed Response Response Status W
Cl 09 SC 9.3.4.2 P 0 L 0 MyBallot # 63 Stephens, Adrian	PROPOSED ACCEPT. Editor searched document for "a MPDU." Editor included in draft 1.1 in 10.4.6.2. Not found in the section cited.
Comment Type TR Comment Status D "CFP (because they have to be awake to receive the DTIM that initiated the CFP), but not	C/ 09 SC 9.4 P 0 L 0 MyBallot # 211 Mike, Moreton
requiring them to stay awake". This is misleading. It is true only if the device wants to receive broadcast traffic while powersaving. However, if it does not, the AP would attempt to send it unicast data.	Comment Type TR Comment Status D The whole MSDU/MPDU/MMPDU is a conceptual mess (a search for MMPDU will show that in a huge number of cases it's preceded by "MPDU or" which alone is evidence that somethin
SuggestedRemedy Remove the enclosing sentence.	has gone wrong) - it's not clear whether MMPDU is more like an MSDU or an MPDU which makes the whole thing very confused.
Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 9.3.4.2.	SuggestedRemedy Given it's unlikely anyone has the time to really sort this out, I actually prefer the original text about fragmentation in this section, so back out the changes.
	Proposed Response Response Status W PROPOSED REJECT. The text is clear and accurate. The commenter is solicited to

PROPOSED REJECT. The text is clear and accurate. The commenter is solicited to describe the ways in which the text is not correct.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
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 SORT ORDER:
 Clause, Subclause, page, line
 7/6/2005 10:15:59 AM
 C/ 09
 SC 9.4

C/ 09 SC 9.4 Sanwalka, Anil	P 0	L 0	MyBallot # 330	<i>CI</i> 09 Kruys, Jar		9.6	P 0	L 0	MyBallot # 297
Comment Type TR	Comment Status D			Comment	Туре	т	Comment Status D		
In the second paragraphic second	oh the change from fragment to mpDU.	o MPDU is	incorrect and confusing.	implle receiv add co	mentat ed mes omplex	tions will b ssage. Th kity but do	set down a complex set of alter e exceedingly simple - use the e extra degrees of choice offer little or nothing to improve per	e same rate red to the ir formance.	e and other PHY settings as th mplementor by these two para In any case, the responding P
Proposed Response	Response Status W						nake the assumption that what	ever rate it	received al, is a valid fale.
PROPOSED REJECT the ways in which the	. The text is clear and accurate text is not correct.	e. The cor	nmenter is solicited to describ		ce the t	two para's	by a modified version of the la		
C/ 09 SC 9.6	PO	LO	MyBallot # 295				be sent using the same rate a	nd PHY op	tions as the received frame.
Kruys, Jan				Proposed	•		Response Status W		
Comment Type T The fifth para refers to	Comment Status D a disfunctional but not "illegal"	choice of	the implementation	able to	o receiv		. The intent of the specification trol frames. Changing the mu		
SuggestedRemedy replace "shall" with "sh	nould"			<i>Cl</i> 09 Edwards,		9.6	P 0	L 0	MyBallot # 409
Proposed Response PROPOSED REJECT	Response Status W . The "shall" makes this an ille	gal choice	for a STA. This is the intent.		ation ty	ER ypes are r n of the pa		9.6.1. The	y are kind of defined the footno
C/ 09 SC 9.6 Mike, Moreton	P 0	L 0	MyBallot # 212	Suggestee	dReme	dy	ion type is in section 9.6.1		
have got messed up. SuggestedRemedy	Comment Status D of the first occurence of "is of th < through, "class" underlined.	ne same m	odulation type class" seems tc	may h that is	POSED ave ca meets	ACCEPT sused cont the sugg	Response Status W There were some PDF convertision. Editor has review the cirestions. Editor did remove all r Editor included changes in dra	ted materia eferece to	al in 9.6 nd 9.6.1 and believes modulation type in 9.6.1, leavi
	Response Status W Editor reviewed the reference Editor believes this to have bee								

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 Page 67 of 118 7/6/2005 10:15:59 AM C/ 09 SORT ORDER: Clause, Subclause, page, line

SC 9.6

CI 09 SC 9.6 P 0 L 0 MyBallot # 294 Kruys, Jan	C/ 09 SC 9.6.1 P 0 L 0 MyBallot # 632 Olson, Tim
Comment Type T Comment Status D The fourth para mentions "rate selection mechanism" the others para's do not. This is confusing.	Comment Type E Comment Status D Clause reference 2249.6 does not look right.
SuggestedRemedy	SuggestedRemedy Correct
First describe the conditions in which the rate selection mechanism determines the rate an then list the exceptions.	d Proposed Response Response Status W
Proposed Response Response Status W	PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.
PROPOSED REJECT. The specification of the rate swithcing mechanism (algorithm) is ou scope and so stated in the clause. The conditions under which a STA can use the mechni- are stated as "some PHYs have multiple data rate capabilities".	
Cl 09 SC 9.6 P 0 L 0 MyBallot # 296 Kruys, Jan	Comment Type TR Comment Status D The text distinguishes between modulation type and class. It appears that multiple modulation types make up a modulation class.
Comment Type T Comment Status D	However, modulation type is never explicity defined
Sixth para, middle: Class or Type? The table in 9.6.1 says "class"	
SuggestedRemedy 0	SuggestedRemedy Define modulation type
 Proposed Response Response Status W PROPOSED ACCEPT. Class is correct. Delete "type" and replace with "class". Editor included in draft 1.1 in 9.6.1. 	Proposed Response Response Status W PROPOSED ACCEPT. Modulation type is defined in the appropriate PHY clauses. There is nothing for the editor to resolve.
C/ 09 SC 9.6.1 P 0 L 0 MyBallot # 331	C/ 09 SC 9.6.1 P 0 L 0 MyBallot # 265 Karcz, Kevin Karcz, Kevin
Comment Type TR Comment Status D The new paragraph is very confusing, with an incorrect clause reference. The referece to ru in the table is also confusing as the left hand cell in "row" 3 actually has 2 rows without a lir through them.	
SuggestedRemedy Please clarify	Proposed Response Response Status W PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.
Proposed Response Response Status W PROPOSED ACCEPT. The reference will be corrected. The table is correct and holds no rows without dividing lines. Change "Description" in the top row of Table 36 to "Modulation Type". Editor included in draft 1.1 in 9.6.1, with changed wording. Response Status Response Status	

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 C/ 09
 SC 9.6.1

July 2005

doc: IEEE 802.11-05/0482r2

July 2005 IEEE P802.11REV-am Draft 1.0 (Comments and resolutions report by clause doc: IEEE 802.11-05/0482r2
C/ 09 SC 9.6.1 P 0 L 0 MyBallot # 445 Myles, Andrew 445 4	C/ 09 SC 9.61. P 0 L 0 MyBallot # 128 Myles, Andrew
Comment Type TR Comment Status D The text distinguishes between modulation type and class. It appears that multiple modulation types make up a modulation class. However, modulation type is never explicitly defined	SuggestedRemedy Incorporate 9.6.1 into 9.6
SuggestedRemedy Define modulation type Proposed Response Response Status	Proposed Response Response Status W PROPOSED REJECT. The material in 9.6.1 stands alone well and does not need to be integrated into 9.6.
PROPOSED ACCEPT. Modulation type is defined in the appropriate PHY clauses. There is nothing for the editor to resolve in this clause.	C/ 09 SC 9.61. P 0 L 0 MyBallot # 446 Myles, Andrew Andrew
C/ 09 SC 9.6.1 P 0 L 0 MyBallot # 213 Mike, Moreton	Comment Type ER Comment Status D There is no need to have the material in 9.6.1 in a separate sub-section
Comment Type E Comment Status D The revision marking seems a bit strange - only part of it is underlined, and only part has a sin bar. SuggestedRemedy Make it consistent.	SuggestedRemedy Incorporate 9.6.1 into 9.6 Proposed Response Response Status W PROPOSED REJECT. The material in 9.6.1 stands alone well and does not need to be integrated into 9.6.
Proposed Response Response Status W PROPOSED ACCEPT. There were some PDF conversion issues with revision marking that may have caused confusion. Editor has review the cited material in 9.6.1 and believes that is meets the suggestions.	Cl 09 SC 9.7 P 0 L 0 MyBallot # 447 Myles, Andrew Comment Type TR Comment Status D
Cl 09 SC 9.6.1.1 P 0 L 0 MyBallot # 350 Black, Simon Comment Type E Comment Status D The reference in the first line of this clause is not meaningful SuggestedRemedy Correct	The "frames in sequence" is often incorrect in Table 37 and Table 38 eg the 4th row of Table 37 claims there are 2 frames in the sequence, when there are clearly or more" SuggestedRemedy Correct all instances in Table 37 and 38 Proposed Response Response Status
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate. See comment #386 for editorial resolution.	PROPOSED ACCEPT. Table 37: Change "2" to "2 or more" in the row for {RTS - CTS -} [Frag - ACK -] Last - ACK. Change "3" to "3 or more" in the row for PS-Poll - [Frag - ACK -] Last - ACK Table 38: Change "1 or 2" to "1" in the row for Mgmt(bc). Editor included in draft 1.1 in 9.7, Tables 37 & 38.

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 C/closed
 09
 SC 9.7

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doc: IEEE 802.11-05/0482r2

<i>Cl</i> 09 SC 9.7 Sanwalka, Anil	P 0	L 0	MyBallot # 332	<i>Cl</i> 09 Kruys, Jan	SC 9.9		P 0	L 0	MyBallot # 299
	viously allowed and could mak		g frames to third parties during quipment non-compliant. I dor	Suggested	xt is wordy IRemedy		Comment Status D tially confusing		10
SuggestedRemedy Reject the change to ta Proposed Response PROPOSED REJECT deletion from the table	Response Status W This row in the table conflicte	ed with othe	er parts of the standard. The	domai and de in mul dot11 NOTE	n to anothe escribes me tiple regula MultiDomai ùThis claus	r. This chanis ory do nCapa e does	sm that allows stations to support mains. When this mechansim bilityEnabled attribute should to s not eliminate the need to obt	k for open ort cross- is active, be set to t ain type a	ration across regulatory domai -domain mobility and operatior the
•	P 0 Comment Status D ce" is often incorrect in Table 3 a 37 claims there are 2 frames			the sta those to prov Note ti station for ope care m <i>Proposed</i> PROP	ation to ider domains for vide proof of that the mer must be p eration in a must be take Response OSED ACC	tify the which f comp hod fo roperly particu en whe	n it does not have type approva bliance to the requirements of	is located al. It is individual s is outsic beginning uration.	d and to cease operation while cumbent upon the implemente regulatory agencies. de the scope of this standard. <i>I</i> g normal operation. Particular ded using this author's
Proposed Response PROPOSED ACCEPT	Response Status W . See resolution to comment 4	47. See #	447 for editorial resolution.	<i>Cl</i> 09 Engwer, D	SC 9.9 . arwin	2.1	P 0	L 0	MyBallot # 481
C/ 09 SC 9.9 Kruys, Jan	P 0	L 0	MyBallot # 298	<i>Comment</i> Table			Comment Status D e index column headings do no	ot line up	with the corresponding columr
Comment Type E "Geo political" is the w	Comment Status D rong word in this context			<i>Suggested</i> line up	<i>Remedy</i> the colum	าร			
SuggestedRemedy Replace with "regultory Proposed Response PROPOSED ACCEPT	/ domain" <i>Response Status</i> W . See comment #299 for editor	ial resoluti	on.				Response Status W Editor included in draft 1.1 in T rs.	Tables 39	, 40, and 41. Change is not

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 C/ 09
 SC 9.9.2.1

Submission

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<i>CI</i> 09 Engwer, D	SC 9.9.2.1 Darwin	P 0	L 0	MyBallot # 480	C/ 10 Stephens,	SC 10.1 Adrian	P 0	L 0	MyBallot # 66
Comment		Comment Status D			Comment	Type TR	Comment Status D		
incorr	ect reference to a	nother clause						SME shall be pre	esent within each STA. The
S <i>uggester</i> refere	-	in 35214.6.8 or a hopping", :	should be "o	described in 14.6.8 or a hoppir	entity				nt plane or as residing ôoff te standard"
Proposed	Response	Response Status W			Norm	ative requireme	ents relate to behaviour, no	t the presence o	of an entity with explicitly
		Editor reviewed references i bers. Editor believes this to		FRAME source and found no caused by output to PDF.	unspe Moree	cified behaviou	ır.		ecified behaviour, we have a
C/ 10	SC 10.	P 0	L 0	MyBallot # 301	Suggeste	-			
Kruys, Jar	ו				••	-	sentence with: "An SME is	present in each	STA".
Comment		Comment Status D			·				
senter keep a see fo	nces require comp a standard free of prmal testing of the	liance - in this case with the implementation descriptions	manageme	conceptual whereas the last ent interfaces. It is a good idea is and one would not expect to	quite authe sectio	a lot of normativ ntication being n). The harder	ve behaviour for the SME (performed before associat (but better) solution is to i	for example in t ion, and some o dentify that norm	actually (and wrongly) define he state machines that show of the procedures in the secu- native behaviour and move i equire it to be present, and
Suggester						nce it from the		Then you can t	
		e should be labelled "informa	ative" and m	noved to an annex.	Proposed	Response	Response Status W		
'	Response	Response Status W		A H A H H H H H H	PROF	OSED ACCEF	T IN PRINCIPLE. See res	solution to comm	nent 301.
	POSED ACCEPT I	N PRINCIPLE. Replace nor escriptive verbs.	mative usa	ge of "shall" or "may" in the	C/ 10	SC 10.3	P 0	L 0	MyBallot # 633
	·				Olson, Tir			20	
Editor	replaced all "shal	ls" with "is" in clause 10 in d	aft 1.1		Comment	Tvpe E	Comment Status D		
Editor	replaced a single	"should" with "is" in clause 1	0 in draft 1	.1.			element is missing from all	of the primitives	5.
Editor	changed all "may	s" to "cans" in clause 10 in c	raft 1.1.		Suggeste	dRemedy			
C/ 10	SC 10.	PO	LO	MyBallot # 503	Add ir	the vendor sp	ecific element to associata	tion, reassociati	on, ect. Primitives.
Engwer, D			-•		Proposed	Response	Response Status W		
Comment Type TR Comment Status D					PROPOSED REJECT. The parameters of the service primitives ar enot the only way to provide information to the MLME. Vendor-specific information can be provided through vendor				
After t individ	the combination of dual changes, ther	the base standard, the subs	stencies be	mendments and more focusec tween the text in this clause a ereof.			o the MLME. Vendor-spec ding vendor-specific MIBs.		can be provided through ver
	dRemedy								
Suggeste		cies							
Suggestee Resol	ve the inconsisten	0003.							
Resol	ve the inconsisten <i>Response</i>	Response Status W							

Bob O'Hara, Cisco Systems

Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

Comment Type TR Comment Status D Need to add another result code to fully address all the error conditions cited in clause SingestadRemedy SuggestadRemedy SingestadRemedy Add the result code RESET_REQUIRED_BEFORE_START. Proposed Response Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.10.2.2. P0 L0 MyBallot # [352] Comment Type TR Comment Status D needs text The description column of the Resultcode parameter doesn't match the remainder of the text as networken the information element. The description column of the Resultcode parameter doesn't match the remainder of the text as networken the description column of the Result status D Add threation element "after 'I no PHY Parameter Set's in the description column of the Result status D Suggestad/memdy Corrent Description column of the Result status D Add 'Infrastion element', after 'I' no PHY Parameter Set's in the description column of the Result status D Suggestad/memdy Corrent Description column of the table in 10.3.16.2.2. The first new row is: Transmit Power field of the TPC Report frame. Corrent Note that the changes market this status D Note that the Changes market this section inconsistent with 11.3.2 (at least). Same Prove Changes to 10.3.4.3 and 10.3.4.4 Proposed Response Proposed Response Response Status W PROPOSED RCEP	Cl 10 SC 10.3.10.2.2 P 0 L 0 MyBallot # 482 Engwer, Darwin Engwer, Darwin	C/ 10 SC 10.3.2.2.2 P 0 L 0 MyBallot # 334 Sanwalka, Anil
Add the result code RESET_REQUIRED_BEFORE_START. Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.10.2.2. Po L0 MyBallot # [352] Comment Type TR Comment Status D needs text this section. It reports the outcome of the request to send the frame and not the actual TPC adaptation procedure as 10.3.16.2.4 suggests. Po L0 MyBallot # [352] SuggestedRemedy Correct Description column of table to match remainder of section. Proposed Response Response Status D Needs text the SESDescription inclumoted in infall 1.1 in 10.3.2.2. Mike, Moreton Comment Type TR Comment Type TR Comment Status D SuggestedRemedy Correct Description column of table in 10.3.16.2.2. The first new row is: Transmit Power [Integer] -127 to 127 Value of the Link Margin field of the TPC Report frame. Po L0 MyBallot # [215] Mike, Moreton SuggestedRemedy Comment Type TR Comment Type TR Comment Status D Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit 10.3.4.3. While I don't mind either way about this change, I doubt it's worth anyone going to ti effort of changin the other sections it impacts. SuggestedRemedy Add Transmit Power and Link Margin field of the TPC Report frame. Response Status W Proposed Response Res	Need to add another result code to fully address all the error conditions cited in clar	se Since Beacon and Probe Response frames are required to contain the PHY Parameter set, I
PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.10.2.2. C1 10 SC 10.3.16.2.2 P0 L0 MyBallot # [352] Black, Simon Comment Type TR Comment Status D needs text The description column of the ResultCode parameter doesn't match the remainder of the statual TPC adaptation procedure as 10.3.16.2.4 suggests. SuggestedRemedy Cornert Description column of the ResultCode parameter doesn't match the actual TPC adaptation procedure as 10.3.16.2.4 suggests. W Proposed Response Response Status W W PROPOSED ACCEPT. Add two rows to the table in 10.3.16.2.2. The first new row is: Transmit Power [linds of the TPC Report frame. D MyBallot # [215] Link Margin [Integer] -127 to 127 Value of the Link Margin field of the TPC Report frame. More that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit 10.3.4.3. w/lile I don't mind either way about this change, I doubt it's worth anyone going to the effort for measures proved the indented and correct mechanism. C1 10 SC 10.3.2.1.2 P0 L0 MyBallot # [333] Samwalka, Anil Comment Type TR Comment Status D SuggestedRemedy SuggestedRemedy Comment Type K Comment Status D SuggestedRemedy SuggestedRemedy Comment Type K Comment Type K Comment Type K S		
CI 10 SC 10.3.16.2.2 P 0 L 0 MyBallot # [352] Black, Simon Comment Type TR Comment Status D needs text The description column of the Resultcode parameter doesn't match the remainder of the text it this section. It reports the outcome of the request to send the frame and not the actual TPC adaptation procedure as 10.3.16.2.4 suggests. Add "information element" after "If no PHY Parameter Set" in the description column of the Resultcode parameter doesn't match the remainder of the text it is section. It reports the outcome of the request to send the frame and not the actual TPC adaptation norocedure as 10.3.16.2.4 suggested/Remedy Add "information element" after "If no PHY Parameter Set" in the description column of table f Suggested/Remedy Correct Description column in table to match remainder of section. Mole SC 10.3.4.3 P 0 L 0 MyBallot # [215] PROPOSED ACCEPT. Add two rows to the table in 10.3.16.2.2. The first new row is: Correct Description inclument file of the TPC Report frame. Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit 10.3.4.3 and 10.3.4.4 Proposed Response Response Status W Add Transmit Power Integer -127 to 127 Value of the Link Margin field of the TPC Report frame. Response Status W Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. P 0 L 0 MyBallot # [333] <tr< td=""><td>, , , ,</td><td>PROPOSED REJECT. The PHY Parameter Set in the BSSDescription is a parameter that</td></tr<>	, , , ,	PROPOSED REJECT. The PHY Parameter Set in the BSSDescription is a parameter that
The description column of the Resultcode parameter doesn't match the remainder of the text it his section. It reports the outcome of the request to send the frame and not the actual TPC adaptation procedure as 10.3.16.2.4 suggests. SuggestedRemedy Correct Description column in table to match remainder of section. Proposed Response Response Status W PROPOSED ACCEPT. Add two rows to the table in 10.3.16.2.2. The first new row is: Transmit Power Integer -127 to 127 Value of the Link Margin field of the TPR Report element of the TPC Report frame. Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. C/ 10 SC 10.3.4.2 P0 L0 MyBallot # [333] Comment Type TR Comment Status D Wildcard SSID is not defined anywhere. SuggestedRemedy Define it. Proposed Response Response Status W Proposed Res		describes how to fill the parameter when the information element is not present, as is the cas
adaptation procedure as 10.3.16.2.4 suggests. C10 SC 10.3.4.3 P0 L0 MyBallot # 215 SuggestedRemedy Correct Description column in table to match remainder of section. Mike, Moreton Proposed Response Response Status W PROPOSED ACCEPT. Add two rows to the table in 10.3.16.2.2. The first new row is: Transmit Power Integer -127 to 127 Value of the Transmit Power field of the TPC Report learnet. Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit 10.3.4.3. While I don't mind either way about this change, I doubt it's worth anyone going to the effort of changing the other sections it impacts. The second new row is: Link Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report learnet. Remove changes to 10.3.4.3 and 10.3.4.4 Proposed Response Response Status W Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. P0 L0 MyBallot # [333] Ci 10 SC 10.3.2.1.2 P0 L0 MyBallot # [333] Sanwalka, Anil Comment Type TR Comment Status D Wildcard SSID is not defined anywhere. SuggestedRemedy Define it. Comment Status D VilgestedRemedy Define it. Comment Status W Proposed Response Response Status W Proposed Response	The description column of the Resultcode parameter doesn't match the remainder	f the text i the BSSDescription. Editor included in draft 1.1 in 10.3.2.2.2.
SuggestedRemedy Correct Description column in table to match remainder of section. Comment Type TR Comment Type TR Comment Status D Proposed Response Response Status W Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit 10.3.4.3. While I don't mind either way about this change, I doubt it's worth anyone going to the effort of changes to 10.3.4.3 and 10.3.4.4. The second new row is: Link Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report reme. Renove changes to 10.3.4.3 and 10.3.4.4. Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. Cl MyBallot # 333 C/ 10 SC 10.3.2.1.2 P0 L0 MyBallot # 333 Samwalka, Anil Comment Type TR Comment Status D SuggestedRemedy Define it. SuggestedRemedy Define it. Comment Status D SuggestedRemedy Change * Response SuggestedRemedy Change * ResultCole* SuggestedRemedy Change * ResultCole* SuggestedRemedy Change * ResultCole* Proposed Response Response Status W	adaptation procedure as 10.3.16.2.4 suggests.	CF 10 SC 10.3.4.3 P 0 L 0 MyBallot # 215
Proposed Response Response Status W Proposed Response Response Status W Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wit Transmit Power Integer -127 to 127 Value of the Transmit Power field of the TPC Report frame. The second new row is: Link Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report learne. Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. Po C/ 10 SC 10.3.2.1.2 P0 L0 MyBallot # [333] Comment Type TR Comment Status D SuggestedRemedy Define it. Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status D SuggestedRemedy Define it. Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W		
element of the TPC Report frame. SuggestedRemedy The second new row is: Eink Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report element is the TPC Report frame. Remove changes to 10.3.4.3 and 10.3.4.4 Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. Po Lo C/ 10 SC 10.3.2.1.2 Po Lo MyBallot # [333] Sanwalka, Anil Comment Type TR Comment Status D Wildcard SSID is not defined anywhere. SuggestedRemedy Change "ResultCole" SuggestedRemedy Change "ResultCole" SuggestedRemedy Proposed Response Response Status W Proposed Response Response Status W	Proposed Response Response Status W PROPOSED ACCEPT. Add two rows to the table in 10.3.16.2.2. The first new row	Note that the changes make this section inconsistent with 11.3.2 (at least). Same problem wi 10.3.4.3. While I don't mind either way about this change, I doubt it's worth anyone going to effort of changing the other sections it impacts.
The second new row is: Link Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report element is the TPC Report frame. Proposed Response Status W Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2. Po Lo MyBallot # [333] C/ 10 SC 10.3.2.1.2 Po Lo MyBallot # [333] Sanwalka, Anil Comment Type TR Comment Status D Wildcard SSID is not defined anywhere. SuggestedRemedy SuggestedRemedy Define it. Proposed Response Response Status W Proposed Response Response Status W		SuggestedRemedy
C/ 10 SC 10.3.2.1.2 P0 L0 MyBallot # 333 C/ 10 SC 10.3.4.4.2 P0 L0 MyBallot # 302 Sanwalka, Anil Comment Type TR Comment Status D Comment Type TR Comment Status D Spelling error "ResultCole" Wildcard SSID is not defined anywhere. SuggestedRemedy Change "ResultCole" SuggestedRemedy Define it. Proposed Response Response Status W Proposed Response Response Status W	Link Margin Integer -127 to 127 Value of the Link Margin field of the TPC Report	element Proposed Response Response Status W PROPOSED REJECT. The revised service primitives provide the indented and correct
Sanwalka, Anil Comment Type TR Comment Status D Comment Type TR Comment Status D Wildcard SSID is not defined anywhere. SuggestedRemedy SuggestedRemedy Change "ResultCole" to "ResultCode". Define it. Proposed Response Response Status W Proposed Response Response Status W	Add Transmit Power and Link Margin to the parameter list in 10.3.16.2.2.	Cl 10 SC 10.3.4.4.2 P 0 L 0 MyBallot # 602
Comment Type TR Comment Status D Spelling error "ResultCole" Wildcard SSID is not defined anywhere. SuggestedRemedy Change "ResultCole" to "ResultCode". SuggestedRemedy Change "ResultCole" to "ResultCode". Define it. Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of #410. See #410 for editorial resolution.		Reuss, Edward
SuggestedRemedy Change "ResultCole" to "ResultCode". Define it. Proposed Response Response Status W Proposed Response Response Status W		
Define it. Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W	Wildcard SSID is not defined anywhere.	SuggestedRemedy
Proposed Response Response Status W Proposed Response Response Status W Proposed Response PROPOSED ACCEPT. Duplicate of #410. See #410 for editorial resolution.		Change "ResultCole" to "ResultCode".
		PROPOSED ACCEPT. Duplicate of #410. See #410 for editorial resolution.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 7/6/2005 10:15:59 AM
 C/ 10
 SC 10.3.4.4.2

C/ 10 SC 10.3.4.4.2 Edwards, Bruce	P 0	L 0	MyBallot # 410	C/ 10 Black, Sir	SC 10.3.6.2.2	2	P 0	L 0	MyBallot # 351
	ent Status D sultCole"			Comment The a incom logica	t <i>Type</i> TR added Reasons to aplete and in some	e cases have / not do the sir	de parameter i no obvious ma	appiing to the	SOCIATE.cnf primitives are returned status code. This is not the status code from the
Proposed Response Response PROPOSED ACCEPT. Editor incl	se S <i>tatus</i> W uded in draft 1.1 in ²	10.3.4.4.2.		00	dRemedy ions useful?				
C/ 10 SC 10.3.4.6.2 Edwards, Bruce	P 0	L 0	MyBallot # 411	PRO	Response POSED REJECT. sented in the clau			d to enumera	te the status codes that are n
Comment Type ER Comme PeerStaAddress should say "fro SuggestedRemedy	ent Status D m which the authen	tication red	quest was received."	C/ 10 Mike, Mor	SC 10.3.6.3		P 0	L 0	MyBallot # 216
Make the change.	se Status W			Comment It's ve forma	ery difficult to find	Comment the beginning		e primitive de	escription due to the similar
PROPOSED REJECT. There is no find any applicable correction.	o such sub-clause n	umber in t	he document. Editor cannot		dRemedy hance we could h	ave each one	starting on a r	new page?	
C/ 10 SC 10.3.6.1.2 Sanwalka, Anil Comment Type T Comme	P 0 ent Status D	L 0	MyBallot # 335	Proposed PROI	Response	Response	Status W		away, but this is now include
The change here indicates that the "capability". In clause 10.3.6.3.2 the the AP. I am not sure of the imper	nis field is called a c	apability d							
SuggestedRemedy Please clarify									
Proposed Response Response PROPOSED REJECT. The text is	se Status W s correct and clear.	Please inc	dicate in a future comment						

PROPOSED REJECT. The text is correct and clear. Please indicate in a future comment where ambiguity exists.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ 10
 SC 10.3.6.3

 SORT ORDER:
 Clause, Subclause, page, line
 C/ 10
 SC 10.3.6.3

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 10 SC 10.3.6.3.1, 10.3.6.4.1, 10 P 0 L 0 MyBallot # 110 Bagby, David	Cl 10 SC 10.3.6.4.2 P 0 L 0 MyBallot # 219 Mike, Moreton Mike, Moreton
Comment Type TR Comment Status D (search for the phrase) û delete the trailing phrase ôwhich is acting as an APö û the condition appears not to be relevant to the sentence and MACS donÆt ôact as APsö, MACs are a component of a more complex thing called an AP. In general these sections all need some	Comment Type TR Comment Status D I don't think "REFUSED_NOT_AUTHENTICATED" should be a possible result code - the MAC should do this itself. Also 10.3.7.4.2
rethinking. The Mac protocol runs between two 802.11 mac instances. One of them may be a MAC that is part of an entity that people think of as an AP \hat{u} but APs are not = to a MAC. The	SuggestedRemedy Remove "REFUSED_NOT_AUTHENTICATED" from 10.3.7.4.2 and 10.3.6.4.2
wording in several places also involves the phrase ôassigned by the APö û just how does this AP thing assign stuff and give it to the MAC (via what interface)? The choice of phrasing seems to raise more questions than it answers.	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.6.4.2 and 10.3.7.4.2.
SuggestedRemedy	CI 10 SC 10.3.6.4.2 P0 L0 MyBallot # 220
re-write impacted sections to be more precise to remove the objections noted.	Mike, Moreton
Proposed Response Response Status W PROPOSED ACCEPT. In all of clause 10: Replace all "acting as an AP" with "within an AP". Editor included in draft 1.1 through clause 10.	Comment Type TR Comment Status D I don't think "REFUSED_BASIC_RATES_MISMATCH" should be a possible result code - the MAC should do this itself. Also 10.3.7.4.2
C/ 10 SC 10.3.6.3.2 P 0 L 0 MyBallot # 218 Mike, Moreton	SuggestedRemedy Remove "REFUSED_BASIC_RATES_MISMATCH" from 10.3.7.4.2 and 10.3.6.4.2
Comment Type TR Comment Status D Is only generated indirectly "as a result of an MLME-ASSOCIATE.request". SuggestedRemedy	Proposed Response Response Status W PROPOSED REJECT. The SME will generate this result code when the appropriate condition applies. This is not generated in the MAC and no such specification exists in the standard.
Change to "on completion of the association procedure" or something like thata	Cl 10 SC 10.3.6.4.4 P 0 L 0 MyBallot # 221
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Add "or receipt of an association response frame from the peer MAC entity" after "MLME-ASSOCIATE.request". Editor included in draft 1.1 in	Mike, Moreton <i>Comment Type</i> ER <i>Comment Status</i> D "transmission of a response" - what sort of response?
section 10.3.6.2.3.	SuggestedRemedy
C/ 10 SC 10.3.6.3.2 P 0 L 0 MyBallot # 603	"transmission of an AssociationResponse"
Reuss, Edward	Proposed Response Response Status W
Comment Type E Comment Status D The term "desired SSID" is redundant.	PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.6.4.4.
SuggestedRemedy In SSID entry description, delete the word "desired".	
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 10.3.6.3.2.	
PROPOSED ACCEPT. Editor included in graft 1.1 in 10.3.6.3.2.	

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 C/ 10
 SC 10.3.6.4.4

Submission

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C/ 10 SC 10.3.7.1.2 P 0 L 0 MyBallot # 336	C/ 11 SC 11. P 0 L 0 MyBallot # 303			
Comment Type T Comment Status D The change here indicates that the capability field is a request, but in some cases it is really a "capability". In clause 10.3.7.3.2 this field is called a capability definition when it is passed up the AP. I am not sure of the impetus for these changes.	Comment Type TR Comment Status D Section 11 contains many references to the internal interfaces of the MLME and SME in the sense of "shall do X". it should be clear that these "shall" do not define mandatory statements that require verification testing etc. Also, the sections on TPC And DFS are not correct and should better be moved to clause 9.			
SuggestedRemedy	SuggestedRemedy			
Please clarify Proposed Response Response Status W PROPOSED REJECT. The information is a real request and may not indicate all of the capabilities of the STA.	Ideally, the MLME related material should be removed or referenced to an Annex that deals w the MLME. It may be more efficient to add a note to the beginning of this Clause that states "where referecence is made to the MLME interfaces and interface primitives, it should be understood that these refer to the informative models presented in Annexes "was clause 10".			
Cl 10 SC 10.3.7.3.2 P 0 L 0 MyBallot # 604 Reuss, Edward Comment Type E Comment Status D The term "desired SSID" is redundant.	None of the statements "shall" are to be considered compliance criteria". Further, th sections on TPC and DFS should be moved to Clause 9 - and the reference to "ERC/DEC/(99)23" should be replaced by "Regulations that apply to the 5GHz band in r regulatory domains". The reference "(see ETSI EN 301 893)" should be replaced by "(see ETSI EN 301 893, FCC R&O 03-287 and other regulatory requirements documents.			
SuggestedRemedy In SSID entry description, delete the word "desired". Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of #603. See #603 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. There is insufficient detail in the comment to identify the specific occurrences of the use of MLME and SME to which the commenter objects. The commenter is solicited to supply this detail in a subsequent ballot. Note: compliance requirements are identified in Annex A. The TPC and DFS functionality is a management function and should remain in clause 11. In 11.5 and 11.6, replace "ERC/DEC/(99)23" with "Regulations that apply to the 5GHz band in most regulatory domains". Editor included in draft 1.1 in 11.5 and 11.6. In 11.6.3, 11.6.4, and 11.6.5, delete "(see ETSI EN 301 893)". Editor included in draft 1.1 in 11.6.3, 11.6.4, and 11.6.5.			
	C/ 11 SC 11. P 0 L 0 MyBallot # 504 Engwer, Darwin			
	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.			
	SuggestedRemedy Resolve the inconsistencies.			
	Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies have been identified by the commenter or the tas group.			
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general required T/technical E/editorial G/general STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/wrisoRT ORDER: Clause, Subclause, page, line	eneral Page 75 of 118			

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C/ 11 SC 11.1.2 P 0 L 0 MyBallot # 527 Jalfon, Marc	Cl 11 SC 11.1.2 P 0 L 0 MyBallot # 33 Stephens, Adrian
Comment Type TR Comment Status D	Comment Type T Comment Status D
This indicates that synchronization is to within an accuracy of 4 symbols. For OFDM PHYs this is 16us, which is a lot different to the previous value of 4us.	This indicates that synchronization is to within an accuracy of 4 symbols. For OFDM PHYs this is 16us, which is a lot different to the previous value of 4us.
Where does the additional 12us of uncertainty spring from?	Where does the additional 12us of uncertainty spring from?
SuggestedRemedy	SuggestedRemedy
Add a note justifying the new relaxed value, or restore it to the old value.	Add a note justifying the new relaxed value, or restore it to the old value.
Proposed Response Response Status W	Proposed Response Response Status W
PROPOSED REJECT. The old value did not change with the introduction of the OFDM PHY and was, consequently, incorrect. This new value does accommodate the OFDM PHY and th clock offsets that may exist between MAC and PHY in a STA and between two or more STAs In addition, this is not a requirement to be met, but a description of what is obtained using the specified mechanism (which did not change).	PROPOSED REJECT. The old value did not change with the introduction of the OFDM PH' and was, consequently, incorrect. This new value does accommodate the OFDM PHY and clock offsets that may exist between MAC and PHY in a STA and between two or more STA In addition, this is not a requirement to be met, but a description of what is obtained using th specified mechanism (which did not change).
C/ 11 SC 11.1.2 P 0 L 0 MyBallot # 448 Myles, Andrew	C/ 11 SC 11.1.2 P 0 L 0 MyBallot # 130 Myles, Andrew Image: Second colspan="2">MyBallot # 130
Comment Type TR Comment Status D	Comment Type TR Comment Status D
The text claims that the TSF in a BSS is always maintained to within 4 symbols.	The text claims that the TSF in a BSS is always maintained to within 4 symbols.
It is still unclear how this is calculated	It is still unclear how this is calculated
SuggestedRemedy	SuggestedRemedy
Explain	Explain
Proposed Response Response Status W	Proposed Response Response Status W
PROPOSED REJECT. The old value did not change with the introduction of the OFDM PHY	PROPOSED REJECT. See resolution to comment 448.
and was, consequently, incorrect. This new value does accommodate the OFDM PHY and th clock offsets that may exist between MAC and PHY in a STA and between two or more STAs In addition, this is not a requirement to be met, but a description of what is obtained using the	C/ 11 SC 11.1.2 P 0 L 0 MyBallot # 131 Myles, Andrew 131
specified mechanism (which did not change).	Comment Type E Comment Status D "contining" should be "continuing"
	SuggestedRemedy Correct

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 U/unsatisfied Z/withdrawn
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 C/ 11
 SC 11.1.2

July 2005 IEEE P802.11REV-am Draft 1.0 Con	nments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl 11 SC 11.1.2 P 0 L 0 MyBallot # 439 Raissinia, Ali	Cl 11 SC 11.1.3 P 0 L 0 MyBallot # 67 Stephens, Adrian
Comment Type TR Comment Status D The added text "data symbol contining the first bit of the timestamp" implies that MAC is awai of PHY data symbols. MAC only knows bits. SuggestedRemedy SuggestedRemedy Revert to the original text.	Comment Type TR Comment Status D "If a STAÆs scanning does not result in finding a BSS with the desired SSID and of the desired type, or does not result in finding any BSS, the STA may start an IBSS" This behaviour is not performed in the MLME entity.
Proposed Response Response Status W PROPOSED REJECT. The MAC does know when it delivers the first bit over the MAC-PHY interface. It is also required to know the processing delay through the PHY for the symbol containing that bit to reach the antenna. Therefore, the MAC knows when the data symbol containing the first bit of the timestamp reaches the antenna.	SuggestedRemedy Move to the SME. Proposed Response Response Status W PROPOSED REJECT. The statement is correct and relevant in its current location.
Cl 11 SC 11.1.2 P 0 L 0 MyBallot # 449 Myles, Andrew Comment Type E Comment Status D "contining" should be "continuing"	Cl 11 SC 11.1.3.1 P 0 L 0 MyBallot # 223 Mike, Moreton Comment Type ER Comment Status D
SuggestedRemedy Correct Proposed Response Response Status W	There is no "aScanType" attribute - just a "ScanType" parameter. SuggestedRemedy Change "If aScanType is passive," to "If the ScanType parameter indicates a passive scan" Proposed Response Response Status W
PROPOSED ACCEPT. Editor included in draft 1.1 in 11.1.2. <i>Cl</i> 11 SC 11.1.3 P 0 <i>L</i> 0 <i>MyBallot</i> # 222 Mike, Moreton	C/ 11 SC 11.1.3.1 P 0 L 0 MyBallot # 354 354 Black, Simon Black Simon
Comment Type E Comment Status D Seem to have some small fonts in the middle of "Upon receipt of an MLME-SCAN.request wit the broadcast SSID parameter set to the wildcard SSID, the STA shall passively scan for any Beacon frames, or actively transmit Probe frames containing the wildcard broadcast SSID, a"	Comment Type TR Comment Status D Don't understand the change that's been made here - what is aScanType - surely this should the requested scan type, or ScanType parameter in MLME-SCAN.req. SuggestedRemedy Clarify.
SuggestedRemedy Make them the same size. Proposed Response Response Status W PROPOSED ACCEPT. Editor reapplied FRAME format to the entire paragraph in draft 1.1. Editor did not find any small fonts as indicated by the reader. Perhaps this was an Frame to Adobe problem.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The wording was chagned per comment #223. See #223 for editorial resolution.

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 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ 11
 SC 11.1.3.1

C/ 11 SC 11.1.3.1 Black, Simon	P 0	L 0	MyBallot # 353	Cl 11 SC 11.1.3.2.2 P 0 L 0 MyBallot # 584 McCann, Stephen
duration defined by the	Comment Status D A shall listen to each channe ChannelTime parameter.' I s ME-SCAN.req but no Chann Response Status W	aw a MaxC	or no longer than a maximum hannelTime and	Comment Type E Comment Status D typo in point c) SuggestedRemedy Change "request" Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of #355. See #355 for editorial resultion.
, ,	,	MaxChanne	elTime". Editor included in drai	C/ 11 SC 11.1.3.2.2 P 0 L 0 MyBallot # 356 Black, Simon
Cl 11 SC 11.1.3.2 Engwer, Darwin Comment Type TR incorrect primitive refere SuggestedRemedy	P 0 Comment Status D	LO	MyBallot # 483	Comment TypeTRComment StatusDIn the active scan procedure the ProbeTimer is started after the probe request is sent. It is the compared to MinChannelTime and MaxChanneTime. In clause 10.3.2.1.2 these times are defined as the minimum, or maximum time to spend on the channel when scanning (e.g. MinChannelTime minimum is ProbeDelay). There is an inconsistency here - one is a probe response timeout the other is an on channel time.
Change "PHY-CCARES	ET.request" to "PHY-CCAR	ESET.confi	rm".	SuggestedRemedy
Proposed Response	Response Status W			As clause 11 is the normative text and clause 10 describes a logical interface it is probably clause 10 that should be brought into line with clause 11.
CCARESET.request" to	be frames" to "Probe Reque	. Editor inclu	3.5.9.2 "PHY- uded in draft 1.1 in 12.3.5.9.2. Editor included in draft 1.1 in	 Proposed Response Response Status W PROPOSED REJECT. The use of the ChannelTime values is correct in this usage. The STA starts a ProbeTimer to measure the time after sending the probe request. If it has not detecte any activity by MinChannelTime, it assume there is no response coming. If it has detected
C/ 11 SC 11.1.3.2.2 Black, Simon	P 0	L 0	MyBallot # 355	activity, but not received a probe response by MaxChannelTime, it leaves to scan the next channel.
Comment Type ER There is a typo in bullet	Comment Status D c - Reqeust			
SuggestedRemedy Correct				
Proposed Response PROPOSED ACCEPT.	Response Status W Editor included in draft 1.1 ir	n 11.1.3.2.2		

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SC 11.1.3.2.2

doc: IEEE 802.11-05/0482r2

C/ 11 SC 11.1.3.4 P 0 L 0 MyBallot # 68 Stephens, Adrian	C/ 11 SC 11.1.3.4 P 0 L 0 MyBallot # 224 Mike, Moreton
Comment Type TR Comment Status D This section highlights that the state machine described in 5.5 is an over simplification. Then should be states to reflect that it is not synchronized (i.e. cannot exchange class 1 frames), is synchronized (can exchange class 1 frames), authenticated (can exchange class 2 frames) an associated (can exchange class 3 frames). SuggestedRemedy Add a state to the state diagram to show the process of transitioning from idle to synchronized and related to the procedures of this section. Proposed Response Response Status W PROPOSED REJECT. The diagram in 5.5 is intended to be a very simple description and no to include all of the protocol complexity. N	Comment Type TR Comment Status D The resulting clause is still a mess, and it would probably be better to leave it alone rather to just add to the confusion. For example, the service primitive implies you can use a probe request, but the description says you must wait for a beacon. How does data transfer apply joined/not joined state? When does the state change to join during this process? Why are no longer allowed to join based on parameters stored from the scan? SuggestedRemedy Either write a more complete, more structured definition, or leave it as it was. Proposed Response Response Status W PROPOSED REJECT. The original description is inadequate. The new text provides clarification and is a result of processing interpretation requests.
C/ 11 SC 11.1.3.4 P 0 L 0 MyBallot # 580	C/ 11 SC 11.2.1 P 0 L 0 MyBallot # 357 Black, Simon
Comment Type E Comment Status D Badly phrased sentence "will adopt the same parameters except also excluding CF paramete set" SuggestedRemedy Not sure.	Comment Type E Comment Status D Para 3 says: 'STAs operating in PS modes shall periodically listen for beacons, as determined by the STAÆs ListenInterval and ReceiveDTIMs parameters of the MLME-POWERMGT.request primitive.' ListenInterval is not in the primitive. SuggestedRemedy SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. Chagned to "will adopt the same parameters except the CF parameter set." Editor included in draft 1.1 in 11.1.3.4.	Reword. Add text in paren and delete text between //: 'STAs operating in PS modes shall periodically listen for beacons, as determined by the STAÆs ListenInterval and (the) ReceiveDTIMs parameter/s/ (in)/of/ the MLME-POWERMGT.request primitive.' Proposed Response Response Status W
C/ 11 SC 11.1.3.4 P 0 L 0 MyBallot # 579 McCann, Stephen	PROPOSED ACCEPT. Editor included in draft 1.1 in 11.2.1.
Comment Type E Comment Status D Inconsistant use of "an" and "a" with abbrevitations, e.g. "a STA".	
SuggestedRemedy Change to "an STA"	
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Editor searched the sited paragraph and found no inconsistencies. Because most people say "Stay" rather than "Ess Tee Ay", the proper article before STA is deemed to be "a". Editor searched entire document and removed the only "an STA" in 19.3.2.3. Editor included in draft 1.1 in 19.3.2.3.	

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 C/ 11
 SORT ORDER:

doc: IEEE 802.11-05/0482r2

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SC 11.2.1

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ 11 SC 11.2.1 P 0 L 0 MyBallot # 358 Black, Simon	C/ 11 SC 11.2.1.1 P 0 L 0 MyBallot # 88 Oakes, Ivan
Jack, Simon Comment Type TR Comment Status D A deferred PS Poll response is allowed in the frame exchange sequences (i.e. responding wit an ACK and then later sending the MSDU) and described in 11.2.1 (para 4), but not mentione in 11.2.1.4 - it ought to be mentioned in point (f). Also 11.2.1.6 (c) probably ought to make cleic that the response is a data frame SuggestedRemedy Consider clarification in 11.2.1.4 and 11.2.1.6. Proposed Response Response Status W PROPOSED ACCEPT. In 11.2.1.4 f) add after the first sentence: "The AP can respond with either an immediate Data frame or with an ACK, while delaying the responsing Data frame." Editor included in draft 1.1 in 11.2.1.4.	Comment TypeTRComment Status DThe additions underlined ("data" and "The Power Managment bit shall not be set in any management frame") change the legacy behavour which in my opinion was not broken or ambiguous. Firstly the PS bit should be set uniformly over all frames - this includes management, control, in fact every frame sent by a STA. This is also indicated by 11.2.1 "sh inform the AP of this fact using the Power Management bits within the Frame Control field of transmitted frames". Secondly management frames could be used to indicate PS change of state - why not? Of course this did not happen in the past as there were no management
In 11.2.1.6 c) change "receives the response" to "receives the Data frame in response". Edito included in draft 1.1 in 11.2.1.6.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Updated text to reflect the use of Action frames for power management. Also Delete the inserted word "Data". Editor included in draft 1.1 in 11.2.1.1. Editor included in draft 1.1 in 11.2.1.1.
Comment Type TR Comment Status D Not sure what is the reason for added text regarding new rule for PM bit "The Power Managment bit shall not be set in any managment frame"	Cl 11 SC 11.2.1.1 P 0 L 0 MyBallot # 337 Sanwalka, Anil Comment Type TR Comment Status D
SuggestedRemedy Please clarify the reasons or remove it. Proposed Response Response Status PROPOSED ACCEPT. There are no acceptable uses of setting the power management bit ir the current standard. This was not clear without the aded text. Change "in any management frame." to "in any management frame, except the Action frame.' See #88 for editorial resolution.	Changing the description to only allow power management information to be transferred to the AP via Data frames is not acceptable. There are a number of implementation that use the PS Poll frame and Null frames to transfer this information. Forgetting about the issue of legacy devices, I haven't seen any justification for this change SuggestedRemedy Reject change Proposed Response Response Status W
	PROPOSED ACCEPT IN PRINCIPLE. The limitation to Data frames is removed. See #88 fo editorial resolution.

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 C/ 11
 SC 11.2.1.1

Submission

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C/ 11 SC 11.2.1.4 P 0 L 0 MyBallot # 392 Jokela, Jari	C/ 11 SC 11.2.1.6 P 0 L 0 MyBallot # 227 Mike, Moreton
Comment Type TR Comment Status D Step f. Deferred and immediate responses shall be clarified	Comment Type TR Comment Status D bullet (b) The delay is given as a numeric value. What are the units?
SuggestedRemedy Clarify that in case of deferred mode AP shall respond to PS POLL with ACK and send actual	SuggestedRemedy Can't we just say that the basic access mechanisms are usedà
MPDU later on. In case of immediate mode actual MPDU is in response to PS POLL. Proposed Response Response Status W PROPOSED ACCEPT. See resolution to comment 358. See #358 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Add "slots following a DIFS" after aCWmin. Editor included in draft 1.1 in 11.2.1.6.
C/ 11 SC 11.2.1.6 P 0 L 0 MyBallot # 225 Mike, Moreton	C/ 11 SC 11.2.1.6 P 0 L 0 MyBallot # 359 Black, Simon
Comment Type ER Comment Status D It's conventional when giving a time of the form "absolute time plus delta" to give it that way round, not "delta plus absolute time". D	Comment Type TR Comment Status D Why has point (b) been changed here. The randomization is not required if only one STA is sending a PS-Poll.
SuggestedRemedy Change "ListenInterval plus the last TBTT" to "the last TBTT plus the ListenInterval"	SuggestedRemedy Why the change?
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 11.2.1.6.	Proposed Response Response Status W PROPOSED REJECT. The STA may collide with the AP, if randomization is not performed.
	Cl 11 SC 11.2.2.1 P 0 L 0 MyBallot # 89
C/ 11 SC 11.2.1.6 P 0 L 0 MyBallot # 226 Mike, Moreton	Oakes, Ivan
Mike, Moreton	
Mike, Moreton Comment Type TR Comment Status D bullet (a): Saying that something happens after a time corresponding to the end of an interval different to saying that it happens after the interval - it's the difference between an inclusive ar exclusive limit. I doubt this change was deliberate! Overall I think the new text is at best no	Oakes, Ivan Comment Type TR Comment Status D The underlined test in 11.2.2.1 does not add any useful information as it does not say when t STA needs to remain awake nor is it accurate to say on STA's PS-state should imply another's. More accurate would be to indicate that when an ATIM window is present, then PS
Mike, Moreton Comment Type TR Comment Status D bullet (a): Saying that something happens after a time corresponding to the end of an interval different to saying that it happens after the interval - it's the difference between an inclusive ar exclusive limit. I doubt this change was deliberate! Overall I think the new text is at best no better than what it's replacing. SuggestedRemedy Revert to the old bullet (a).	Oakes, Ivan Comment Type TR Comment Status D The underlined test in 11.2.2.1 does not add any useful information as it does not say when the STA needs to remain awake nor is it accurate to say on STA's PS-state should imply another's. More accurate would be to indiciate that when an ATIM window is present, then PS may be in use by STAs. SuggestedRemedy Replace paragraph 1 by the modified version: "The basic approach is similar to the infrastructure case in that the STAs are synchronized, and multicast MSDUs and those
Mike, Moreton Comment Type TR Comment Status D bullet (a): Saying that something happens after a time corresponding to the end of an interval different to saying that it happens after the interval - it's the difference between an inclusive ar exclusive limit. I doubt this change was deliberate! Overall I think the new text is at best no better than what it's replacing. SuggestedRemedy	Oakes, Ivan Comment Type TR Comment Status D The underlined test in 11.2.2.1 does not add any useful information as it does not say when the STA needs to remain awake nor is it accurate to say on STA's PS-state should imply another's. More accurate would be to indicate that when an ATIM window is present, then PS may be in use by STAs. SuggestedRemedy Replace paragraph 1 by the modified version: "The basic approach is similar to the

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 7/6/2005 10:15:59 AM C/ 11 SC 11.2.2.1

C/ 11 SC 11.2.2.1 P 0 L 0 MyBallot # 69 Stephens, Adrian	Cl 11 SC 11.3 P 0 L 0 MyBallot # 214 Mike, Moreton			
Comment Type TR Comment Status D "To maintain correct information on the power save state of other stations in an IBSS, a station needs to remain awake. If a station changes to the PS mode, it shall assume that all other stations are in the PS mode als	Comment Type TR Comment Status D The clause should be called "Authentication and Deauthentication". SuggestedRemedy See comment			
This is both unnecessary and inadequate. An IBSS STA has to be robust with respect to having perfect knowledge of the power-saving state of other STA, because power-saving state changes are communicated using unreliable broadcast transmissions. The added text mandates a delay of, on average, half a beacon interval on transmissions from a power-saver a non-power-saver, because the power-saver is required to assume the non-power-saver mig	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 11.3. Cl 11 SC 11.4.2 P 0 L 0 MyBallot # 217 Mike, Moreton			
become one while it is asleep. The solution that an IBSS STA has to implement to cope with its imprecise knowledge is if there is a transmission failure to a STA that it thinks is a non-power-saver, it should retry that frame on the assumption it is now a power saver.	Comment Type TR Comment Status D You can't just delete the name of the primitive used for communication between the SME and the MAC and hope that no-one notices that this section is now inconsistent with the primitive description! Same applies to 11.4.4			
This heuristic is adequate, and the addition that I have cited (with its bad effect on transport delay) is unnecessary.	SuggestedRemedy Change 11.4.4 and 11.4.2 to be consistent with the change to the (re)association primitives.			
SuggestedRemedy Remove the quoted text, and possible add an informative note relating to the retry heuristic I mention. Proposed Response Response Status W	Proposed Response Response Status W PROPOSED ACCEPT. In 11.4.2 c) and 11.4.4 c) Insert "Upon receipt of an MLME-Associate.response service primitive," before the first sentence. Editor included in draft 2.0 in 11.4.2 and 11.4.4.			
PROPOSED REJECT. See the resolution to comment 89.	11.4.2 e) and 11.4.4 e) should be deleted. Editor included in draft 2.0 in 11.4.2 and 11.4.4. Items will be renumbered when revision marks are removed.			
Cl 11 SC 11.2.2.1 P 0 L 0 MyBallot # 228 Mike, Moreton Comment Type ER Comment Status D A preposition is a word you shouldn't end a sentence with. SuggestedRemedy Change "If a station changes to the PS mode, it shall assume that all other stations are in the PS mode also." to "If a station changes to the PS mode, it shall assume that all other stations are in the PS mode." Proposed Response Response Status W PROPOSED REJECT. Also functions as an adverb in the cited sentence.	Cl 11 SC 11.5 P 0 L 0 MyBallot # 90 Oakes, Ivan Comment Type TR Comment Status D The first two paragraphs add nothing and may be incomplete given recent FCC rulings. SuggestedRemedy Remove first and second paragraphs of 11.5 starting "ERC/DEC/(99)23à", edit paragraph 2 to say "This subclause describes TPC procedures that may be used to satisfy regulatory requirements in Europe and similar elsewhere". Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate of comment #91. See #91 for editorial resolution.			

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 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn

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 C/ 11
 SC 11.5

July 2005 IEEE P802.11REV-am Draft 1.0 Cor	nments and resolutions report by clause doc: IEEE 802.11-05/0482r2
C/ 11 SC 11.5 P 0 L 0 MyBallot # 70 Stephens, Adrian	Cl 12 SC 12. P 0 L 0 MyBallot # 505 Engwer, Darwin
Comment Type TR Comment Status D "dot11SpectrumManagementRequired shall be set to TRUE when regulatory authorities requirement TPC." How is this normative requirement testable? All normative requirements should be testable. SuggestedRemedy	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy Resolve the inconsistencies.
Replace "shall be" with "is". Consider adding: "NOTE - the mechanisms to achieve this are beyond the scope of this standard."	Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou
Proposed Response Response Status W PROPOSED REJECT. This is easily testable by examining the MIB of a product configured for a domain where TPC is required.	C/ 13 SC 13. P 0 L 0 MyBallot # 506 Engwer, Darwin
Cl 11 SC 11.6 P 0 L 0 MyBallot # 91 Oakes, Ivan Oakes, Ivan Comment Type TR Comment Status D The first two paragraphs add nothing and may be incomplete given recent FCC rulings. SuggestedRemedy Remove first and second paragraphs of 11.6 starting "ERC/DEC/(99)23à", edit paragraph 2 tc say "This subclause describes TPC procedures that may be used to satisfy regulatory requirements in Europe and similar elsewhere". Proposed Response Response Status W PD0025ED NO25ET	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy Resolve the inconsistencies. Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grouter of task gr
PROPOSED ACCEPT IN PRINCIPLE. Replace "ERC/DEC/(99)23" with "Some radio regulations". Editor included similar wording from another commend resolution in draft 1.1 in 11.6. In the second paragraph, replace "may be used" with "can be used" and delete "in Europe" ar delete "in other regulatory domains and". Editor included similar wording in draft 1.1 in 11.6.	Contract For For For Soft Engwer, Darwin Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy

Resolve the inconsistencies.

Proposed Response Response Status W

PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou

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 Page 83 of 118 7/6/2005 10:15:59 AM C/ 14 SORT ORDER: Clause, Subclause, page, line SC 14.

July 2005	IE	EEE P80	2.11REV-am Draft 1.0 Com	ments an	d resolu	itions r	eport by clause	doc	IEEE 802.11-05/0482r2
C/ 14 SC 14. Mike, Moreton	P 0	L 0	MyBallot # 183	Cl 14 Stephens	SC 1 Adrian	4.9	P 0	L 0	MyBallot # 36
With the ever growing leng that is no longer used whe Surely it's acceptable to sa using these obsolete procesSuggestedRemedy Replace clauses 14 with a Proposed Response	re this will not cause comp y that equipment that wish dures should follow the 19 direction to the 1999 versi Response Status W	batibility pro nes to interd 1999 version tion of the s	tandard.	RXST start o Suggeste Repla Proposed	79 decla ART.ind of the pac dRemedy ace value Respons	occurs a ket. , of 0 with	Comment Status D Y-RX-START-Delay to be 0us. fter the PLCP header has been value of 128 <i>Response Status</i> W See comment #24 for editorial	i received	l, which is 96+32 us from the
cease to exist.	P 0	n to the star	ndard, the 1999 version will	C/ 14 Jalfon, Ma	SC 1	4.9	P 0	L 0	MyBallot # 528
No reason to keep aPHY-F SuggestedRemedy Remove aPHY-RX-START Proposed Response PROPOSED REJECT. Ch in Table 79. Also add the preamble to the issuance of	² -Delay from table 79. Res <i>ponse Status</i> W ange the "0us" to "128us" description to the same ro of the RX-START.indicate	for the valu w: "The del by the PHY	on section 9.2.5.7 and 9.2.8. ue of aPHY-RX-START-Delay ay from the start of the ′.″ This value is required for	RXST start o Suggeste Repla Proposed	79 decla ART.ind of the pac dRemedy ace value Respons	occurs a ket. of 0 with e CCEPT.	Comment Status D Y-RX-START-Delay to be 0us. fter the PLCP header has beer value of 128 <i>Response Status</i> W See comment #24 for editoria	i received	l, which is 96+32 us from the
No reason to consider aPH SuggestedRemedy Remove aPHY-RX-START Proposed Response	P 0 Comment Status D IY-RX-STARTDelay. See of -Delay from table 79. Response Status W hange the "Ous" to "128us" description to the same roo	L 0 comments for the value w: "The del		indivio other Suggeste Resol Proposed	<i>Type</i> the combi dual chan clauses. <i>dRemedy</i> ve the inc <i>Respons</i>	ges, thei This app , consister	Comment Status D f the base standard, the subse- re remain unresolved inconsist blies to this clause and all subc ncies. <i>Response Status</i> W No inconsistencies were iden	encies be lauses th	tween the text in this clause a ereof.

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 C/closed
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 U/unsatisfied Z/withdrawn
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 C/closed
 15
 SC 15.

July 2005IEEE P802.11REV-am Draft 1.0 Cor	mments and resolutions report by clause doc: IEEE 802.11-05/0482r
C/ 15 SC 15.3.3 P 0 L 0 MyBallot # 37	Cl 15 SC 15.3.3 P 0 L 0 MyBallot # 256 Miki, Morgan
Comment Type TR Comment Status D Table 81 declares aPHY-RX-START-Delay to be 0us. From figure 173, the PHY-RXSTART.ind occurs after the PLCP header has been received (although curiously, figure 17 shows the indication during the middle of the received CRC). SuggestedRemedy Replace value of 0 with value of 144+48 = 192us. Proposed Response Response Status W	Comment Type TR Comment Status D No reason to consider aPHY-RX-STARTDelay. See comments on section 9.2.5.7 and 9.2.8. SuggestedRemedy Remove aPHY-RX-START-Delay from table 81. Proposed Response Response Status W PROPOSED REJECT. Change the "0us" to "192us" for the value of aPHY-RX-START-Delay
PROPOSED ACCEPT. Duplicate with #529. See comment #256 for editorial resolution.	in Table 81. Editor included in draft 1.1 in 15.3.3.
Cl 15 SC 15.3.3 P 0 L 0 MyBallot # 25	C/ 15 SC 15.4.7.4; pg 393 P 393 L 0 MyBallot # 343 Hillman, Garth
Gohda, Wataru Comment Type TR Comment Status D No reason to keep aPHY-RX-STARTDelay. See my comments on section 9.2.5.7 and 9.2.8.	Comment Type TR Comment Status D We need to identify that channel 14 in the 2.4 band is 'different' and describe its transmit mas separately
SuggestedRemedy Remove aPHY-RX-START-Delay from table 81.	SuggestedRemedy Add a separate transmit mask for Channel 14 in the 2.4 GHz band.
Proposed ResponseResponse StatusWPROPOSED REJECT.Duplicate with #256.See comment #256 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. The commenter is solicited to provide the text and figure for the additional spectrum mask. Editor not able to resolve this without input.
C/ 15 SC 15.3.3 P 0 L 0 MyBallot # 529	Cl 16 SC 16. P0 L0 MyBallot # 509
Comment Type TR Comment Status D Table 81 declares aPHY-RX-START-Delay to be 0us. From figure 173, the PHY- RXSTART.ind occurs after the PLCP header has been received (although curiously, figure 17 shows the indication during the middle of the received CRC). SuggestedRemedy Replace value of 0 with value of 144+48 = 192us.	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focuse individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy Resolve the inconsistencies.
Proposed ResponseResponse StatusWPROPOSED ACCEPT. See comment #256 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task gro

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 85 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:59 AM C/ 16 SORT ORDER: Clause, Subclause, page, line SC 16.

Bob O'Hara, Cisco Systems

July 2005 IEEE P802.11REV-am Draft 1.0 Co	mments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl 16 SC 16. P 0 L 0 MyBallot # 185 Mike, Moreton	C/ 16 SC 16.4 P 0 L 0 MyBallot # 257 Miki, Morgan
Comment TypeTComment StatusDWith the ever growing length of the standard it seems reasonable to remove some of the stuff that is no longer used where this will not cause compatibility problems with existing equipmen Surely it's acceptable to say that equipment that wishes to interoperate with other equipment using these obsolete procedures should follow the 1999 version of the standard?	Comment Type TR Comment Status D No reason to consider aPHY-RX-STARTDelay. See comments on section 9.2.5.7 and 9.2.8. SuggestedRemedy Remove aPHY-RX-START-Delay from table 98.
SuggestedRemedy	Proposed Response Response Status W
Replace clauses 16 with a direction to the 1999 version of the standard.	PROPOSED REJECT. Change the "Ous" to "57us" for the value of aPHY-RX-START-Delay
Proposed Response Response Status W	in Table 98." See #530 for editorial resolution.
PROPOSED REJECT. With the approval of this revision to the standard, the 1999 version wi cease to exist.	Cl 16 SC 16.4 P 0 L 0 MyBallot # 38 <
Cl 16 SC 16.4 P 0 L 0 MyBallot # 530 Jalfon, Marc	Comment Type TR Comment Status D Table 98 declares aPHY-RX-START-Delay to be 0us.
Comment Type TR Comment Status D Table 98 declares aPHY-RX-START-Delay to be 0us. SuggestedRemedy It needs to be aPreambleLength+aPLCPHeaderLength. In the IR PHY, these depend also of the data rate. So you can take your pick - but it definitely isn't zero.	 SuggestedRemedy It needs to be aPreambleLength+aPLCPHeaderLength. In the IR PHY, these depend also of the data rate. So you can take your pick - but it definitely isn't zero. Alternatively mark clause 16 as deprecated with a note that it is not maintained, and remove t parameter.
Alternatively mark clause 16 as deprecated with a note that it is not maintained, and remove t parameter.	Proposed ResponseResponse StatusWPROPOSED ACCEPT IN PRINCIPLE.Duplicate of #530. See #530 for editorial resolution.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change the "Ous" to "57us" for the value of aPHY-RX START-Delay in Table 98." Editor included in draft 1.1 in 16.4.	C/ 16 SC 16.4 P 0 L 0 MyBallot # 26 Gohda, Wataru
Cl 16 SC 16.4 P 0 L 0 MyBallot # 35 Stephens, Adrian	Comment Type TR Comment Status D No reason to keep aPHY-RX-STARTDelay. See my comments on section 9.2.5.7 and 9.2.8.
Comment Type T Comment Status D It is nice to see table 98 being maintained. It is so useful, after all. SuggestedRemedy Or perhaps remove the IR PHY, or mark it deprecated and unmaintained. Proposed Response Response Status W PROPOSED REJECT. There is no technical reason to remove this clause.	SuggestedRemedy Remove aPHY-RX-START-Delay from table 98. Proposed Response Response Status W PROPOSED REJECT. Change the "0us" to "57us" for the value of aPHY-RX-START-Delay in Table 98." See #530 for editorial resolution.

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 SC 16.4

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Engwer, D	arwin				
Comment		TR	Comment Status D		
individ	ual cha	nges, there		stencies be	nendments and more focusec tween the text in this clause a ereof.
Suggested	Remed	y			
Resolv	/e the ir	consistenc	ies.		
Proposed	Respon	se	Response Status W		
PROP	OSED /	ACCEPT.	No inconsistencies were ide	entified by th	ne commenter or the task grou
C/ 17	SC ·	17.3.10.5	P 0	L 0	MyBallot # 304
Kruys, Jan					
· , · , · · ·	Tuno	TR	Comment Status D		
Comment	rype				
Comment		nition is am	biguous and unless more c	learly define	ed may not be useful as tool to
Comment The Co detect being	CA defii other s deploye	pectrum us d in the 5.8	ers. This is becoming an is 3 GHz range. Therefore it is	sue with the necessary	ed may not be useful as tool to possibility of 802.16 systems to be able to differentiate y sources may be subject to a

SuggestedRemedy

this addition of the CS

The start of a valid OFDM transmission at a receive level equal to or greater than the minimur modulation and coding rate sensitivity (\hat{u} 82 dBm for 20 MHz channel spacing and \hat{u} 85 dBm fo 10 MHz channel spacing) shall cause CCA to indicate busy with a probability > 90% within 4 ' for 20 MHz channel spacing and 8 ?s for 10 MHz channel spacing. In addition and irrespectiv of preamble detection, the receiver shall hold the ED signal busy for any signal above the sensitivity levels given above. Note for the editor: this change requires consequent changes the have not been provideed here. Internal Note1: the addition of the ED signal allows the MAC to defer transmission for a given combination of ED, CCA and RSSI values is left to implementation.

Proposed Response Re

onse Response Status W

PROPOSED REJECT. Adding this would make implementations previously compliant with clause 17 become noncompliant.

Cl 17	SC 17.3.9.2	P 0	L 0	MyBallot # 397
LEMBERGE	R, URIEL			

Comment Type TR Comment Status D

Spectral mask is defined in figure 199 and again in I.2.3

SuggestedRemedy

Have one location in the document where the definition are written and reference to this point where necessary in other parts of the document.

Proposed Response Response Status W

PROPOSED ACCEPT. Move figure 199 and associated text to annex I as a "default" regulate class. Editor included in draft 2.0 in 17.3.9.2 and Annex I sub-clause I.2.3.

C/ 17	SC 17.4.4	P 0	L 0	MyBallot # 441	
Raissinia, Ali					

Comment Type TR Comment Status D

The added aPHY-RX-START-Delay in Table 113 is 24us.

SuggestedRemedy

What is the reason for selected 24us number.

Proposed Response Response Status W

PROPOSED ACCEPT. The parameter accounts for the PLCP header and preamble times, plus the Viterbi delay before PHY-RXSTART.indicate is generated.

The value in the 10MHz column is not correct. Change the value in the 10MHz column to "48us". Editor included in draft 1.1 in 17.4.4.

C/ 17 Gohda, Wat	SC 17.4 aru	.4 P0	L 0	MyBallot	# 27
Comment T No reas		Comment Status aPHY-RX-STARTDelay.		ts on section 9.	.2.5.7 and 9.2.8.

SuggestedRemedy

Remove aPHY-RX-START-Delay from table 113.

Proposed Response Response Status W

PROPOSED REJECT. This value is required for correct operation of certain MAC timeouts.

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 SC 17.4.4

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Cl 17 SC 17.4.4 P 0 L 0 MyBallot # 258 Miki, Morgan	Cl 18 SC 18.3.3 P 0 L 0 MyBallot # 39 Stephens, Adrian
Comment TypeTRComment StatusDNo reason to consider aPHY-RX-STARTDelay. See comments on section 9.2.5.7 and 9.2.8.	Comment Type TR Comment Status D Table 121 shows the aPHY-RX-START-Delay to be 0us. This is wrong.
SuggestedRemedy Remove aPHY-RX-START-Delay from table 113.	SuggestedRemedy Set to value of 192us.
Proposed Response Response Status W PROPOSED REJECT. This value is required for correct operation of certain MAC timeouts.	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Duplicate of #531. See #531 for editorial resolution.
C/ 18 SC 18. P 0 L 0 MyBallot # 511 Engwer, Darwin	Cl 18 SC 18.3.3 P 0 L 0 MyBallot # 531 Jalfon, Marc
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focusec individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy	Comment Type TR Comment Status D Table 121 shows the aPHY-RX-START-Delay to be 0us. This is wrong. SuggestedRemedy Set to value of 192us.
Resolve the inconsistencies. Proposed Response Response Status W	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in 18.3.3.
PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou	C/ 18 SC 18.3.3 P 0 L 0 MyBallot # 28 Gohda, Wataru
C/ 18 SC 18.3.3 P 0 L 0 MyBallot # 259 Miki, Morgan	Comment Type TR Comment Status D No reason to keep aPHY-RX-STARTDelay. See my comments on section 9.2.5.7 and 9.2.8.
Comment Type TR Comment Status D No reason to consider aPHY-RX-STARTDelay. See comments on section 9.2.5.7 and 9.2.8.	SuggestedRemedy Remove aPHY-RX-START-Delay from table 121.
SuggestedRemedy Remove aPHY-RX-START-Delay from table 121. Proposed Response Response Status W PROPOSED REJECT. This value is required for correct operation of certain MAC timeouts.	Proposed Response Response Status W PROPOSED REJECT. This value is required for correct operation of certain MAC timeouts.

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 C/ 18
 SC 18.3.3

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C/ 18 SC 18.4.6.2 P0 L0 MyBallot # 398	C/ 19 SC 19.3.2.1 P0 L0 MyBallot # 460
LEMBERGER, URIEL	Myles, Andrew
Comment Type TR Comment Status D	Comment Type TR Comment Status D
Table 126 is incorrect.	The text in 19.3.2.1 specifies that all ERP systems shall set the Locked Clock Bit equal to 1,
SuggestedRemedy	including 1 & 2Mb/s systems. The text in 15.2.3.4 specifies this bit is reserved for 1 & 2Mb/s systems, ie set equal to 0 on transmit.
Correct the table content, for example , FCC allows Ch 12,13 with mask restrictions, France	
part of ETSI. Proposed Response Response Status W	Unfortunately, some test houses have interpreted the text in 19.3.2.1 to mean that all 1 & 2Mb systems shall set the Locked Clock Bit equal to 1.
PROPOSED REJECT. This table does not show all the possible channels for each domain	SuggestedRemedy
(as identified by the value at the head of each column), but only those specifically allowed by	
802.11. Changing this table would result in making currently compliant implementations	systems
noncompliant.	Proposed Response Response Status W
Cl 18 SC 18.4.7.1 P 0 L 0 MyBallot # 399	PROPOSED ACCEPT. In the fifth sentence of the paragraph above Table 140, change "the Locked Clock Bit shall be set to 1." to "the Locked Clock Bit shall be set to 1, when transmittir
LEMBERGER, URIEL	at an ERP-PBCC rate or at a data rate described in clause 18." Editor included in draft 1.1 in
Comment Type ER Comment Status D	19.3.2.1.
Transmit power level in subclause 17 refers to annex I and in subclause 18 it appears in tabl 136 137, and again in table I.6	CI 19 SC 19.3.2.4.1 P0 L0 MyBallot # 2
SuggestedRemedy	Adachi, Tomoko
use consistant way to define Transmit power requirement in all sections.	Comment Type E Comment Status D
Proposed Response Response Status W	There is "à" in the expression but it is unclear what it means. There is a similar expression for
PROPOSED REJECT. At this point only OFDM is described in annex I. These tables refer t	calculating the LENGTH field in clause 19.8.3.3 but there is no "à" for this case.
DSSS and CCK operation.	SuggestedRemedy
C/ 19 SC 19. P0 L0 MyBallot # 512	Delete "à" in the expression.
Engwer, Darwin	Proposed Response Response Status W
Comment Type TR Comment Status D	PROPOSED ACCEPT IN PRINCIPLE. The cited equation contains an elipsis which should b∉ deleted. Editor included in draft 1.1 in 19.3.2.4.1.
After the combination of the base standard, the subsequent ammendments and more focuse	
individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.	
SuggestedRemedy	Comment Type E Comment Status D
Resolve the inconsistencies.	There is a phrase "ERP PHY" but this will be Extended rate PHY PHY. PHY is redundant.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task gro	
	Proposed Response Response Status W
	PROPOSED ACCEPT. Editor included in draft 1.1 in 19.4.6.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
 7/6/2005 10:15:59 AM
 C/ 19
 SC 19.4.6

Submission

Bob O'Hara, Cisco Systems

Ju	ly	20	05
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C/ 19 SC 19.7.2.6	P 0	L 0	MyBallot # 243	C/ 19 SC 19.8.4 P 0 L 0 MyBallot # 29
Palm, Stephen				Gohda, Wataru
Comment Type TR	Comment Status D			Comment Type TR Comment Status D
The term "802.11g" is used	without being defined or	referenced.		No reason to keep aPHY-RX-STARTDelay. See my comments on section 9.2.5.7 and 9
SuggestedRemedy Clearly provide references	for all of the 802.11a thro	ough 802.11j	amendments.	SuggestedRemedy Remove aPHY-RX-START-Delay from table 144.
Proposed Response R	esponse Status W			Proposed Response Response Status W
, ,	,	entence belo	ow Figure 248, change "in the	PROPOSED REJECT. This value is required for correct operation of certain MAC timed
802.11g header" to "in the h	neader". All of the amene	dments (and	their titles) cease to exist after	· · ·
the approval of the revision	to the standard. Editor in	ncluded in dr	aft 1.1 in 19.7.2.6.	C/ A SC A. P 0 L 0 $MyBallot \# 513$
C/ 19 SC 19.8.4	P 0	L 0	MyBallot # 260	Engwer, Darwin
Miki, Morgan				Comment Type TR Comment Status D
	Comment Status D Y-RX-STARTDelay. See	comments of	on section 9.2.5.7 and 9.2.8.	After the combination of the base standard, the subsequent ammendments and more fo individual changes, there remain unresolved inconsistencies between the text in this cla other clauses. This applies to this clause and all subclauses thereof.
SuggestedRemedy				SuggestedRemedy
Remove aPHY-RX-START	Delay from table 144.			Resolve the inconsistencies.
Proposed Response R	esponse Status W			Proposed Response Response Status W
, ,	•	orrect operat	ion of certain MAC timeouts.	PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task
Cl 19 SC 19.8.4 Stephens, Adrian	P 0	L 0	MyBallot # 41	C/ A SC A. P 0 L 0 MyBallot # 463 McClellan, Kelly
• •	Commant Status D			
Comment Type TR (aPHY-RX-START-Delay is	Comment Status D			Comment Type TR Comment Status D
			he phrase "and Ous otherwise	The conformance coverage of the PICS is stated as "IEEE Std 802.11, 1999". The sco the PICS includes newer options that are not part of the 1999 revision.
is unnecessary (and wrong)	•		· · · · · · · · · · · · · · · · · · ·	SuggestedRemedy
SuggestedRemedy				Change to appropriate publication/revision date, and add an informative note relating th
Remove quoted phrase.				revision to newer extensions to the standard.
Proposed Response R	esponse Status W			Proposed Response Response Status W
PROPOSED ACCEPT. Edi	,	n 19.8.4.		PROPOSED ACCEPT. Editor included in draft 1.1 in Annex A.1. I did not include an informative note as this will be covered in the introduction to the specification.

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 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn

 SORT ORDER:
 Clause, Subclause, page, line
 C/ A
 SC A.

Bob O'Hara, Cisco Systems

July	2005
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C/ A SC A.4.10 Black, Simon	P0 L0	MyBallot # 360	C/C SC C. P 0 L 0 MyBallot # 459 Myles, Andrew 459
Comment Type TR Comment S Most of PICS Item MD1 concerns the dot11MultiDomainCapabilityEnabled a Enabled attribute seem to have sneak references).	country element and its f	nCapability	Comment Type TR Comment Status D The SDL is mostly incorrect and has little connect to the current standard. It just wastes paper/bits SuggestedRemedy
SuggestedRemedy Clarify Proposed Response Response S	itatus W		Remove entire annex Proposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting
PROPOSED ACCEPT. Delete the two Editor included in draft 1.1 in A.4.10.		ultiDomainCapabilityEnabled.	the annex would also delete these normative behaviors. <i>CI</i> C SC C . <i>P</i> 0 <i>L</i> 0 <i>MyBallot</i> # 42 Stephens, Adrian
Cl A SC A.4.3 Ecclesine, Peter Comment Type E Comment S The tickmark boxes in the Support coll SuggestedRemedy change to boxes Proposed Response Response S	umn are circles	MyBallot # 163	Comment Type TR Comment Status D The SDL is a maintenance nightmare and is practically useless. Few task groups have the means to maintain this model. The model itself contains some vere questionable use of SDL (such as extensive sharing of variables), structuring of the model does not match the architecture presented in the body text, and it has not been updated to reflect the changes approved in 802.11i. Those who have seriously tried to use the model (I have) descover that it has a very blinkere view of 802.11 - yet it is somehow "normative". SuggestedRemedy
PROPOSED REJECT. The circles are C/ A SC A.4.8 Ecclesine, Peter Comment Type TR Comment S Item OF9.4.4 RATE 36 Mbit/s status s	PO LO Status D	MyBallot # 162	Firstly scan Annex C for normative behaviour not defined elsewhere and move to appropriate sections in the body text (there should be none). Remove Annex C. Alternatively mark is as "Informative - historic interest only". Proposed Response Response Status W
SuggestedRemedy change Status to O Proposed Response Response S PROPOSED ACCEPT. Editor included			PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. The commenter is solicited to provi the text for the normative behaviors to add to the other clauses of the standard, so that the annex might then be removed.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 U/unsatisfied Z/withdrawn

 SORT ORDER:
 Clause, Subclause, page, line
 C/ C
 SC C.

C/C SC C. P 0 L 0 MyBallot # 514	C/ C SC C. page 597 P 0 L 0 MyBallot # 344 Hillman, Garth
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focusec individual changes, there remain unresolved inconsistencies between the text in this clause a	Comment Type T Comment Status D I thought IEEE 802.11 had decided to deprecate the SDL description?
other clauses. This applies to this clause and all subclauses thereof.	SuggestedRemedy If we have then so state.
Resolve the inconsistencies.	Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou	PROPOSED ACCEPT. Such a decision has not been made. No statement is required. Nothing for the editor to resolve.
PIC SC C. PIC LO MyBallot # 141	C/ DSC D.P 0L 0MyBallot #167Ecclesine, Peter
comment Type TR Comment Status D The SDL is mostly incorrect and has little connect to the current standard. It just wastes paper/bits paper/bits	on p820, dot11RegulatoryClasses TABLE is missing after dot11SpectrumManagement SuggestedRemedy
Proposed Response Response Status W	Insert TABLE in proper place Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D.
Remove entire annex Proposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors.	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor
Proposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. Deleting PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. Deleting	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D. Cl D SC D. P0 L0 MyBallot # 174
Remove entire annex Proposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors.	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D. Cl D SC D. P 0 L 0 MyBallot # 174 Ecclesine, Peter
Remove entire annex roposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. POCSCC. POLO MyBallot # 533 alfon, Marc comment Type TR Comment Status D	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D. Cl D SC D. P 0 L 0 MyBallot # 174 Ecclesine, Peter Comment Status D on page 855, 802.11j deprecated SMT base 3, and added dot11RegulatoryClasses Implemented and dot11RegulatoryClassesRequired to SMT base 5. Both SMT base 3 and
AuggestedRemedy Remove entire annex roposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. T C SC C. P 0 L 0 MyBallot # 533 Ifon, Marc comment Type TR Comment Status D The SDL is a maintenance nightmare and is practically useless. uggestedRemedy Remove Annex C.	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D. C/ D SC D. P 0 L 0 MyBallot # 174 Ecclesine, Peter Comment Type TR Comment Status D on page 855, 802.11j deprecated SMT base 3, and added dot11RegulatoryClasses Implemented and dot11RegulatoryClassesRequired to SMT base 5. Both SMT base 3 and SMT base 4 are shown as current
uggestedRemedy Remove entire annex roposed Response Response Status W PROPOSED REJECT. There is still normative behavior described only in the SDL. Deleting the annex would also delete these normative behaviors. I C SC C. P 0 L 0 MyBallot # 533 alfon, Marc Nament Type TR Comment Status D The SDL is a maintenance nightmare and is practically useless. uggestedRemedy	Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D. C/ D SC D. P 0 L 0 MyBallot # 174 Ecclesine, Peter Comment Type TR Comment Status D on page 855, 802.11j deprecated SMT base 3, and added dot11RegulatoryClasses Implemented and dot11RegulatoryClassesRequired to SMT base 5. Both SMT base 3 and SMT base 4 are shown as current SuggestedRemedy

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 COMMENT STATUS: D/dispatched A/accepted R/rejected
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 7/6/2005 10:15:59 AM
 C/ D
 SC D.

Bob O'Hara, Cisco Systems

C/D SCD.	P 0	L 0	MyBallot # 168	CI D	SC D.	P 0	L 0	MyBallot # 164
cclesine, Peter				Ecclesine	e, Peter			
omment Type TR on page 840, The Ja using Japan, like Fra	Comment Status D apanese regulatory authority is no ance and Spain	o longer Mł	KK, nor MPHPT. Suggest just		1RegulatoryClass	Comment Status D sesTable, dot11smt 13 missing c	on page 80	02
uggestedRemedy	omainsSupportedTable and dot1	1RegDom:	ainsSunnortedValue from MKk	00	edRemedy t after dot11RSN	AStatsTable		
to Japan		IntegDome		,	d Response	Response Status W		
Proposed Response PROPOSED ACCE	Response Status W PT. Editor included in draft 1.1 in	dot11Reg[DomainsSupportedTableand		POSED ACCEP ded in draft 1.1 ir	T. Editor reviewed entire MIB ar D.	nd found 8	02.11j MIB missing. Edito
dot11RegDomainsS	upportedValue.			Cl D Ecclesine	SC D. e. Peter	P 0	L 0	MyBallot # 166
/ D SC D. ichard, Paine	P 0	L 0	MyBallot # 593	Commen		Comment Status D		
omment Type E	Comment Status D			page		ributes for dot11RegulatoryClass sesRequired	sesImplen	nented and
uggestedRemedy Drop the Editor's No	's Note really necessary?			00	edRemedy t after dot11RSN	APreauthenticationImplemented	I	
roposed Response PROPOSED REJE(Response Status W CT. Unable to locate editor note o	n page 876	δ in D. In any case, editor notε	PRO	d Response POSED ACCEP ded in draft 1.1 ir	Response Status W T. Editor reviewed entire MIB ar D.	nd found 8	02.11j MIB missing. Edito
go away after each of the second seco	P 0	L 0	MyBallot # 170	C/ D Ecclesine	SC D. e, Peter	P 0	L 0	MyBallot # 172
cclesine, Peter	Comment Status D			Comment on pa		Comment Status D .11j dot11RegulatoryClassesGro	oup is mis	sing
uggestedRemedy	2.11j values and text is missing				edRemedy t reference from	Amendment 802.11j		
	om Amendment 802.11j			Proposed	d Response	Response Status W		
roposed Response PROPOSED ACCE	Response Status W PT. Editor reviewed entire MIB a	nd found 8	02.11j MIB missing. Editor		POSED ACCEP ded in draft 1.1 ir	T. Editor reviewed entire MIB ar	nd found 8	02.11j MIB missing. Edit

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
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 U/unsatisfied Z/withdrawn

 SORT ORDER:
 Clause, Subclause, page, line
 7/6/2005
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 C/ D
 SC D.

July 2005

doc: IEEE 802.11-05/0482r2

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CI D SC D. P 0 L 0 MyBallot # 146 Visscher, Bert	C/D SC D. P 0 L 0 MyBallot # 171 Ecclesine, Peter
Comment Type TR Comment Status D dot11SpectrumManagementImplemented has MAX-ACCESS read-write. Adding/removing parts in the implementation of the device is a neat trick, but unfortunately not possible SuggestedRemedy Change MAX-ACCESS into read-only Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in dot11SpectrumManagementImplemente	Comment Type TR Comment Status D on page 845, the 802.11j dot11ChannelStartingFactor object is missing SuggestedRemedy insert object from Amendment 802.11j Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D.
C/ D SC D. P 0 L 0 MyBallot # 361 Black, Simon	C/ D SC D. P0 L 0 MyBallot # 169 Ecclesine, Peter
Comment Type TR Comment Status D Additions to the .11 MIB for spectrum management don't seem to have made it into any conformance group. SuggestedRemedy SuggestedRemedy Review conformance groups. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Editor reviewed the entire MIB and all elements for 802.11h were found to be present. However, editor found 802.11j MIB missing. Editor include in draft 1.1 in D.	Comment Type TR Comment Status D on page 844/5, dot11ChannelStartingFactor is missing SuggestedRemedy insert, dot11ChannelStartingFactor Integer 32 after entry for dot11FrequencyBandsSupporte INTEGER Proposed Response Response Status PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D.
CI D SC D. P 0 L 0 MyBallot # 145 Visscher, Bert Comment Type TR Comment Status D dot11MultiDomainCapabilityImplemented has MAX-ACCESS read-write. Adding/removing parts in the implementation of the device is a neat trick, but unfortunately not possible SuggestedRemedy Change MAX-ACCESS into read-only Proposed Response Response Status W	C/ D SC D. P0 L0 MyBallot # 173 Ecclesine, Peter Comment Type TR Comment Status D Image: Status D on page 854, the 802.11j dot11ChannelStartingFactor object is missing SuggestedRemedy Image: SuggestedRemedy Image: Status W Proposed Response Response Status W PROPOSED ACCEPT. Editor reviewed entire MIB and found 802.11j MIB missing. Editor included in draft 1.1 in D.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 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
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 SC D.

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C/ D SC D. Engwer, Darwin	P 0	L 0	MyBallot # 515	C/ E S Odman, Knut	SC E.	P 0) <i>L</i> O	MyBallot # 568
Comment Type TR	Comment Status D			Comment Type	E	Comment Status	D	
individual changes, there		stencies bet	nendments and more focusec ween the text in this clause a preof.	guide, clau by the worl appears as	ise 19: "Con king group." s either the f	nplete and current info The bibliography alwa	ormation for biblio ays shall be an in	tandard. Ref. IEEE standard ographic entries shall be su formative numbered annex Annex B for an example
Resolve the inconsisten	cies.			bibliograph	• ·			
Proposed Response	Response Status W			SuggestedRen	-			
	•	entified by th	e commenter or the task grou			annexes so that the b		e becomes Annex N
				Proposed Res		Response Status		
C/ D SC D. Ecclesine, Peter	P 0	L 0	MyBallot # 165					and as makging this the lat his comment is declined.
omment Type TR	Comment Status D			<u> </u>	CE.	PO) LO	
	Comment Status D			CIE S		F U) LU	N = N Ballot # 494
		ented and do	t11RegulatoryClassesRequir	Engwer, Darwi		۲U		MyBallot # 494
		ented and do	t11RegulatoryClassesRequir	Engwer, Darwi	n	-	-	мувалот # 494
page 802, missing dot11 Truth Values		ented and do	t11RegulatoryClassesRequir	Engwer, Darwi	n TR	Comment Status 302.11F per reference	s D	Мувалот # <u>494</u>
page 802, missing dot11 Truth Values uggestedRemedy			t11RegulatoryClassesRequir	Engwer, Darwi Comment Type Missing a d	n TR citation for 8	Comment Status	s D	Мувалот # <u>494</u>
page 802, missing dot11 Truth Values SuggestedRemedy insert after dot11RSNAF	1RegulatoryClassesImpleme		t11RegulatoryClassesRequir	Engwer, Darwi Comment Type Missing a o SuggestedRen	n TR citation for 8 nedy	Comment Status	s D	МуВалот # <u>494</u>
page 802, missing dot11 Truth Values SuggestedRemedy insert after dot11RSNAF Proposed Response PROPOSED ACCEPT.	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a	ed		Engwer, Darwi Comment Type Missing a o SuggestedRen Add a refe	n TR citation for 8 nedy rence to 802	Comment Status 302.11F per reference 2.11F in Annex E.	s D as in Annex M.	Мувалот # <u>494</u>
page 802, missing dot11 Truth Values SuggestedRemedy insert after dot11RSNAF Proposed Response	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a	ed		Engwer, Darwi Comment Type Missing a o SuggestedRen Add a refe Proposed Res	e TR citation for 8 nedy rence to 802 conse	Comment Status 302.11F per reference 2.11F in Annex E. Response Status	s D es in Annex M. W	Мувалот # <u>494</u>
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a	ed		Engwer, Darwi Comment Type Missing a o SuggestedRen Add a refe Proposed Res PROPOSE	TR TR TR Citation for 8 nedy rence to 802 ponse DACCEPT	Comment Status 302.11F per reference 2.11F in Annex E. Response Status 7. Editor included in dr	s D es in Annex M. W raft 1.1 in E.1.	
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF proposed Response PROPOSED ACCEPT. included in draft 1.1 in D	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a D.	ed and found 8(02.11j MIB missing. Editor	Engwer, Darwi Comment Type Missing a d SuggestedRen Add a refe Proposed Res PROPOSE	TR TR Citation for 8 nedy rence to 802 ponse ED ACCEPT	Comment Status 302.11F per reference 2.11F in Annex E. Response Status	D es in Annex M. W raft 1.1 in E.1.	
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D I E SC E. ngwer, Darwin	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a D.	ed and found 8(02.11j MIB missing. Editor	Engwer, Darwi Comment Type Missing a o SuggestedRen Add a refe Proposed Res PROPOSE	TR TR Citation for 8 nedy rence to 802 ponse ED ACCEPT	Comment Status 302.11F per reference 2.11F in Annex E. Response Status 7. Editor included in dr	s D es in Annex M. W raft 1.1 in E.1.	
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D V E SC E. ngwer, Darwin omment Type TR Missing a reference to th	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a D. <i>P</i> 0 <i>Comment Status</i> D he Unified Modeling Languag	ed and found 80 <i>L</i> 0 ge Referenc	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRem Add a refe Proposed Res PROPOSE C/ E S Engwer, Darwi Comment Type	TR TR citation for 8 nedy rence to 802 conse ED ACCEPT CC E. n TR	Comment Status 302.11F per reference 2.11F in Annex E. Response Status T. Editor included in du P 0 Comment Status	D s in Annex M. W raft 1.1 in E.1. <i>L</i> 0 s D	MyBallot # <u>516</u>
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D / E SC E. ngwer, Darwin omment Type TR Missing a reference to th instructions in doc 11-05	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a D. <i>P</i> 0 <i>Comment Status</i> D	ed and found 80 <i>L</i> 0 ge Referenc	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRem Add a refe Proposed Res PROPOSE C/ E S Engwer, Darwi Comment Type After the co	TR	Comment Status 302.11F per reference 2.11F in Annex E. Response Status T. Editor included in dr P 0 Comment Status of the base standard,	D s in Annex M. W raft 1.1 in E.1. D the subsequent a	<i>MyBallot</i> # <u>516</u>
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D E SC E. ngwer, Darwin omment Type TR Missing a reference to th instructions in doc 11-05 uggestedRemedy	1RegulatoryClassesImpleme PreauthenticationImplemente <i>Response Status</i> W Editor reviewed entire MIB a <i>P</i> 0 <i>Comment Status</i> D he Unified Modeling Languag 5-0120-09, see page 10 in the	ed and found 80 <i>L</i> 0 ge Referenc	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRen Add a refe Proposed Resy PROPOSE CI E S Engwer, Darwi Comment Type After the c individual of	TR	Comment Status 302.11F per reference 2.11F in Annex E. Response Status T. Editor included in dr P 0 Comment Status of the base standard, ere remain unresolved	D as in Annex M. W raft 1.1 in E.1. D the subsequent a d inconsistencies	<i>MyBallot #</i> <u>516</u> ammendments and more fo between the text in this cla
page 802, missing dot11 Truth Values uggestedRemedy insert after dot11RSNAF roposed Response PROPOSED ACCEPT. included in draft 1.1 in D E SC E. ngwer, Darwin omment Type TR Missing a reference to the instructions in doc 11-05 uggestedRemedy Add the reference to the	1RegulatoryClassesImpleme PreauthenticationImplemente Response Status W Editor reviewed entire MIB a D. P 0 Comment Status D he Unified Modeling Languag 5-0120-09, see page 10 in the e UML reference manual.	ed and found 80 <i>L</i> 0 ge Referenc	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRen Add a refe Proposed Resy PROPOSE CI E S Engwer, Darwi Comment Type After the c individual of	TR	Comment Status 302.11F per reference 2.11F in Annex E. Response Status T. Editor included in dr P 0 Comment Status of the base standard,	D as in Annex M. W raft 1.1 in E.1. D the subsequent a d inconsistencies	<i>MyBallot #</i> <u>516</u> ammendments and more fo between the text in this cla
page 802, missing dot11 Truth Values suggestedRemedy insert after dot11RSNAF proposed Response PROPOSED ACCEPT. included in draft 1.1 in D of E SC E. ngwer, Darwin comment Type TR Missing a reference to the instructions in doc 11-05 suggestedRemedy Add the reference to the proposed Response	1RegulatoryClassesImpleme PreauthenticationImplemente Response Status W Editor reviewed entire MIB a D. P0 Comment Status D he Unified Modeling Languag 5-0120-09, see page 10 in th e UML reference manual. Response Status W	ed and found 80 <i>L</i> 0 ge Referenc at submissio	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRen Add a refe Proposed Res PROPOSE C/ E S Engwer, Darwi Comment Type After the co individual o other claus	TR	Comment Status 302.11F per reference 2.11F in Annex E. <i>Response Status</i> 7. Editor included in di <i>P</i> 0 <i>Comment Status</i> of the base standard, ere remain unresolved oplies to this clause an	D as in Annex M. W raft 1.1 in E.1. D the subsequent a d inconsistencies	<i>MyBallot #</i> <u>516</u> ammendments and more fo between the text in this cla
page 802, missing dot11 Truth Values SuggestedRemedy insert after dot11RSNAF Proposed Response PROPOSED ACCEPT. included in draft 1.1 in D C/ E SC E. Engwer, Darwin Comment Type TR Missing a reference to the instructions in doc 11-05 SuggestedRemedy Add the reference to the Proposed Response	1RegulatoryClassesImpleme PreauthenticationImplemente Response Status W Editor reviewed entire MIB a D. P 0 Comment Status D he Unified Modeling Languag 5-0120-09, see page 10 in the e UML reference manual.	ed and found 80 <i>L</i> 0 ge Referenc at submissio	02.11j MIB missing. Editor <i>MyBallot</i> # <u>526</u> e manual per the editor's	Engwer, Darwi Comment Type Missing a d SuggestedRen Add a refe Proposed Res PROPOSE C/ E S Engwer, Darwi Comment Type After the co individual o other claus	TR	Comment Status 302.11F per reference 2.11F in Annex E. <i>Response Status</i> 7. Editor included in di <i>P</i> 0 <i>Comment Status</i> of the base standard, ere remain unresolved oplies to this clause an	D as in Annex M. W raft 1.1 in E.1. D the subsequent a d inconsistencies nd all subclauses	<i>MyBallot #</i> <u>516</u> ammendments and more fo between the text in this cla

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 7/6/2005 10:15:59 AM
 C/ E
 SC E.

Bob O'Hara, Cisco Systems

July 20	05
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C/ E SC E. Engwer, Darwin	P 0	L 0	MyBallot # 493	C/ H Engwer, I	SC Darwin	н.	P 0	L 0	MyBallot # 519
reference is in clause SuggestedRemedy Add a reference to the	e corresponding ISO standard.	add a refe	rence to an ISO standard that	indivi other <i>Suggeste</i>	the comi dual cha clauses dRemed	nges, the This ap y	Comment Status D of the base standard, the subse re remain unresolved inconsis plies to this clause and all sub	tencies be	etween the text in this clause
Proposed Response PROPOSED ACCEP	equence Charts (MSC) per mu Response Status W T. Add a reference to ITU-T Z.1 in draft 2.0 in Annex E.		-	Proposed	Respon		ncies. Response Status W . No inconsistencies were ider	ntified by t	he commenter or the task gro
individual changes, th other clauses. This a <i>SuggestedRemedy</i> Resolve the inconsiste <i>Proposed Response</i>	ere remain unresolved inconsi oplies to this clause and all sub encies. <i>Response Status</i> W	stencies be oclauses th	<i>MyBallot</i> # <u>517</u> mendments and more focusec etween the text in this clause a ereof.	Suggeste Repla Proposed	, Adrian t Type ohrase "v dRemed ace "ya" t Respon	y with "you se	P 0 Comment Status D a wantà" is not gramatically co ", and recalculate the PRF-512 Response Status W The exmaple is not constraine	2.	
individual changes, th	ere remain unresolved inconsi oplies to this clause and all sub	stencies be	<i>MyBallot</i> # 518 mendments and more focusec ween the text in this clause a ereof.						

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
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 C/ H
 SC H.3.2

Comment Type TR Comment Status D	
The following sentence "A pass-phrase typically has about 2.5 bits of security per character, s the pass-phrase mapping converts an n octet password into a key with about 2.5n + 12 bits of security." is not technically correct. It is mixing two different types of measurements of security, and the two types are not comparable. I look at this as comparable to trying to compare and add together measurements of pound force and pound mass. The measurement of pass phrase security of 2.5 bits per character is really a measurement o cryptographic entropy, which is a precisely defined measurement in the crypto world. The measurement of 12 bits of security is, on the other hand, really a measurement of the computational complexity of the task of the hash. It is unclear that a bit of the pass phrase security measurement is equal to a bit of the computational effort (the ratio is probably differer with different processor architectures), so simple addition of these two measurements cannot be done. SuggestedRemedy Delete the sentence. Alternatively, change the sentence to, "A pass-phrase typically has abo 2.5 bits of cryptographic entropy per character, while the pass-phrase mapping converts the pass-phrase into a key requiring quite a bit of computational effort" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Delete the sentence "A pass-phrase typically has	Comment Type T Comment Status D The test vectors use the incorrect nonce lengths (20 whereas they should be 23). SuggestedRemedy Stretch the nonces to be as required for 802.11i (e.g. 32 octets). For the Anonce, use: {0xe0, 0xe1, 0xe2, 0xe3, 0xe4, 0xe5, 0xe6, 0xe7, \
about 2.5 bits of security per character, so the pass-phrase mapping converts an n octet password into a key with about 2.5n + 12 bits of security." Replace the sentence immediately following this with "Keys derived from the pass phrase provide relatively low levels of security, especially with keys generated form short passwords, since they are subject to dictionary attack." Editor included in draft 1.1 in H.4.1.	Comment Type T Comment Status D Using the correct test vectors, the TK needs to be updated. SuggestedRemedy The TK is now: b2 36 0c 79 e9 71 0f dd 58 be a9 3d ea f0 65 99
C/H SC H.6 P 0 L 0 MyBallot # 400 LEMBERGER, URIEL 400 400 400	Proposed Response Response Status W
Comment Type E Comment Status D Table H.3 is confusing Does the 04 05 in second raw belongs to description #1?	PROPOSED ACCEPT. Editor included in draft 1.1 in H.7.1.1.
SuggestedRemedy Clarify the table, combine raw 1,2 in column 2.	
Proposed Response Response Status W PROPOSED ACCEPT. Move the 04 05 to the first row and delete the second row. Editor included in draft 1.1 in H.6.1.	

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 7/6/2005 10:15:59 AM

Page 97 of 118 M C/ H SC H.7.1.1

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ H SC H.7.1.2 P 0 L 0 MyBallot # 589 Cam-Winget, Nancy	C/ I SC I. P 0 L 0 MyBallot # 637
Comment Type T Comment Status D Using the correct test vectors, the Keys need to be updated. SuggestedRemedy KCK = 37 9f 98 52 d0 19 92 36 b9 4e 40 7c e4 c0 0e c8 KEK = 47 c9 ed c0 1c 2c 6e 5b 49 10 ca dd fb 3e 51 a7 TK = b2 36 0c 79 e9 71 0f dd	Comment Type E Comment Status D MPHPT (Ministry of Public Management, Home, Post and Telecommunication) has changed its English name to MIC (Ministry of Internal Affairs and Communications) SuggestedRemedy Please change "MPHPT" to "MIC" Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in 15.4.7.1, 18.4.6, 18.4.6.1, 18.4.6.8, 18.4.7.1, 19.4.1, and throughout Annex I and J.
58 be a9 3d ea f0 65 99 db 98 0a fb c2 9c 15 28 55 74 0a 6c e5 ae 38 27	C/ J SC J. P 0 L 0 MyBallot # 521 Engwer, Darwin
Authenticator Tx Key = db 98 0a fb c2 9c 15 28 Supplicant Tx Key = 55 74 0a 6c e5 ae 38 27 Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in H.7.1.2. C/ I SC I. P 0 L 0 MyBallot # 520	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focuse individual changes, there remain unresolved inconsistencies between the text in this clause other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy Resolve the inconsistencies.
Engwer, Darwin <i>Comment Type</i> TR <i>Comment Status</i> D After the combination of the base standard, the subsequent ammendments and more focusec	Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task gro
individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy	C/J SCJ. PO LO MyBallot # 401 LEMBERGER, URIEL 401
Resolve the inconsistencies. Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou	Comment Type ER Comment Status D The document is inconsistant, for a,b,g ammendmends the informative information regarding regulatory requirement is part of the subclauses 15,18,19 while j ammendmend is only an annex and the regulatory requiments are seperated as informative and put in annex I.
	SuggestedRemedy Move relative regulatory references to annex J
	 Proposed Response Response Status W PROPOSED REJECT. Such a restructuring of the document would introduce difficulties in determining that no normative changes were made. This would also affect the MIBs for thes PHYs and would affect interoperability.

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 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed
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 C/ J
 SC J.

July 2005 IEEE P802.11REV-am Draft 1.0 Cor	mments and resolutions report by clause doc: IEEE 802.11-05/0482r2
Cl J SC J. P 0 L 0 MyBallot # 638 Inoue, Yasuhiko	C/ K SC K. P 0 L 0 MyBallot # 485 Engwer, Darwin
Comment Type E Comment Status D MPHPT (Ministry of Public Management, Home, Post and Telecommunication) has changed its English name to MIC (Ministry of Internal Affairs and Communications)	Comment Type TR Comment Status D Figure K1 is wrong, should not show AID 0 pointing to two bits, only one. In general, figure K should be made to agree with the example 1 figure in doc 11-05-0069-02
SuggestedRemedy Please change "MPHPT" to "MIC"	SuggestedRemedy Delete the angled AID 0 notation line.
Proposed Response Response Status W PROPOSED ACCEPT. See comment #637 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. Correct the figure as noted. Editor removed angle arrow. Editor included in draft 1.1 in K.2 Figure K1.
CI J SC J.1 PO LO MyBallot # 402	C/ K SC K. P 0 L 0 MyBallot # [488] Engwer, Darwin
Comment Type TR Comment Status D ask Jan To which regulatory class belongs Ch 165 in the US? SuggestedRemedy SuggestedRemedy	Comment Type TR Comment Status D Sample code: Build_TIM (): The second for() loop has a test condition "i > 0"; this is wrong the loop should terminate at one, since AID 0 is never used.
Add this channel to the table Proposed Response Response Status W PROPOSED REJECT. The OFDM PHY is not defined for the ISM band, only for the U-NII	SuggestedRemedy Change "(i > 0)" to "(i > 1)". Proposed Response Response Status W
bands. An entirely new regulatory class would be required for this purpose. Cl J SC J.1 P 0 L 0 MyBallot # 403 LEMBERGER, URIEL Vertical and the second	PROPOSED REJECT. This comment was WITHDRAWN by the commenter. Nothing for the editor to resolve.
Comment TypeTRComment StatusDask JanTo which regulatory class belongs Ch 100-140 in the US?	C/K SC K. P 0 L 0 MyBallot # 486 Engwer, Darwin
SuggestedRemedy Add these channels to the table	Comment Type TR Comment Status D Figure K2 is wrong, should not show AID 0 pointing to two bits, only one. In general, figure K2 should be made to agree with the example 2 figure in doc 11-05-0069-02
Proposed Response Response Status W PROPOSED ACCEPT. Add a row in Table J.1: 4 5 20 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140 200 1 1	SuggestedRemedy Delete the angled AID 0 notation line.
Change 4-255 in the last row to 5-255. Editor included in draft 2.0 in J.1 Table J.1.	Proposed Response Response Status W PROPOSED ACCEPT. Correct the figure as noted. Editor removed angle arrow. Editor included in draft 1.1 in K.2 Figure K2.
	The value for B0 in the second byte should be zero in figure K2. Editor included in draft 2.0 in K.2 Figure K2.

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 Page 99 of 118 7/6/2005 10:15:59 AM C/ **K** SORT ORDER: Clause, Subclause, page, line SC K.

Bob O'Hara, Cisco Systems

Engwer, Darwin Comment Type Sample cod used. The f SuggestedReme Place the bu ((aid > 0) && Proposed Respo PROPOSEL draft 1.1 in h	TR de: Update_V function shou redy ulk of the ope & (aid < AID_ toonse D ACCEPT. K.3.	uld validate the incoming parational lines of the functional SIZE))". Response Status W	aramters to e	MyBallot # 489 ID 0 since that value is never ensure this condition. onditional block as follows: "if included. Editor included in MyBallot # 345
Sample cod used. The f SuggestedReme Place the bu ((aid > 0) &8 Proposed Respo PROPOSEI draft 1.1 in F C/ K SC Hillman, Garth	de: Update_V function shou edy ulk of the ope & (aid < AID_ onse D ACCEPT. K.3. C K.; clause	/irtualBitMap(): It is illegal t uld validate the incoming pa erational lines of the functio _SIZE))". <i>Response Status</i> W Source code form 11-05-0	aramters to e on within a co 069-04 was i	ensure this condition. onditional block as follows: "if included. Editor included in
C/ K SC Hillman, Garth	C K.; clause	e K.1; page 94 <i>P</i> 0	L 0	MyBallot # 345
Comment Type	-			
, ,	edy oonse	Comment Status D Response Status W Editor included in draft 1.1	in K.1.	
Karcz, Kevin Comment Type extra "a" in ' SuggestedReme edit Proposed Respo	E "encoding a edy ponse	Response Status W	L 0 15 for editoria	MyBallot # 267
	Proposed Resp PROPOSE C/ K St Karcz, Kevin Comment Type extra "a" in SuggestedRem edit Proposed Resp	Proposed Response PROPOSED ACCEPT. C/ K SC K.1 Karcz, Kevin Comment Type E extra "a" in "encoding a SuggestedRemedy edit Proposed Response	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 Cl K SC K.1 P 0 Karcz, Kevin Comment Type E Comment Status D extra "a" in "encoding a the Partial" SuggestedRemedy edit Proposed Response Response Status W	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in K.1. Cl K SC K.1 P 0 L 0 Karcz, Kevin Comment Type E Comment Status D extra "a" in "encoding a the Partial" SuggestedRemedy edit

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Page 100 of 118 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn 7/6/2005 10:15:59 AM C/ K SORT ORDER: Clause, Subclause, page, line SC K.1

C/ K SC K.2 P0 L0 M Reuss, Edward	lyBallot # 605	C/ K McCann, S	SC K.2	P 0	L 0	MyBallot # 585
Comment Type E Comment Status D The term "broadcasts and multicasts" is too colloquial. Elsewhere, th changed to "wildcard" SuggestedRemedy Change all instances of "broadcasts and multicasts" to "broadcast ar Proposed Response Response Status W	nd multicast packets".	Comment typo in Suggested change Proposed F	Type E second paragra <i>Remedy</i> inforamtion" t Response		266 for editori	al resolution.
PROPOSED ACCEPT IN PRINCIPLE. 802.11 deals only in MSDUs "broadcasts and multicasts" to "broadcasts and multicast MSDUs". (I "wildcard" change is a separate, unrelated matter that has nothing to multicast frames/MSDUs/packets.) Editor included in draft 1.1 in K.2.	Note that the cited do with broadcast/	<i>Cl</i> K Mike, More	SC K.3 ton	P 0	L 0	MyBallot # 230
	lyBallot # 266	Suggested	"#if 1" - these ju Remedy	Comment Status D ist look silly in example cod		
"inforamtion" is mispelled uggestedRemedy edit		Proposed F	Response OSED ACCEP1	e program indicating which <i>Response Status</i> W . Replace the sample sourc 1-05-0069-04. Editor includ	e code in 802	2.11REV-ma-D1.0 with the
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in K.2.		C/ K Mike, More	SC K.3 ton	P 0	L 0	MyBallot # 229
C/ K SC K.2 P 0 L 0 M Reuss, Edward Comment Type E Comment Status D	lyBallot # 606	aren't a	nust define new	Comment Status D names for standard C cons TE" and "WORD" - after all on.	,	
Poor syntax - "in AP" uggestedRemedy Change all instances of "in AP" to "in the AP".		Suggested "uint8"	<i>Remedy</i> and "uint16" se	em to be fairly common.		
Proposed Response Response Status W PROPOSED ACCEPT. Editor included 3 times in draft 1.1 in K.2.			OSED ACCEPT	Response Status W Replace the sample source 1-05-0069-04. Editor includ		

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 C/ K
 SC K.3

July 2005

doc: IEEE 802.11-05/0482r2

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

CI K SC K.3 P 0 L 0 MyBallot # 268 Karcz, Kevin	C/ L SC L. P0 L0 MyBallot # 101 Oakes, Ivan
Comment Type E Comment Status D misspellings in "no efficienty or appropirateness"	Comment Type TR Comment Status D Annex L uses the term "Portal integration" and "integration function" when it should use "Integration Service" as defined previosuly (see 3.57, 5.2)
SuggestedRemedy edit	SuggestedRemedy
Proposed Response Response Status W	Replace the text "Portal integration" and "integration function" in Annex L by "Integration Service"
PROPOSED ACCEPT. Editor included in draft 1.1 in K.3.	Proposed Response Response Status W
C/ K SC K.3 P 0 L 0 MyBallot # 608 Reuss, Edward 608	PROPOSED ACCEPT. Changes are in document 11-05-0257-04-0apf. Editor included in draft 1.1 in Annex L.
Comment Type E Comment Status D The C language #define statements are not formatted correctly.	C/ L SC L. P 0 L 0 MyBallot # 523 Engwer, Darwin
SuggestedRemedy Change "ADD_TIM_BIT0" to "ADD_TIM_BIT 0", "REMOVE_TIM_BIT1" to REMOVE_TIM_BIT 1", "TIM_ELEMENT_ID5" to "TIM_ELEMENT_ID 5", "TIM_BASE_SIZE3" to "TIM_BASE_SIZE 3", "AID_SIZE2008" to "AID_SIZE 2008", "VBM_SIZE251" to "VBM_SIZE 251".	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focuse individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof. SuggestedRemedy
Proposed Response Response Status W	Resolve the inconsistencies.
PROPOSED ACCEPT. Replace the sample source code in 802.11REV-ma-D1.0 with the updated code in doc 11-05-0069-04. Editor included in draft 1.1 in K.3.	Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task gro
C/K SC K.3 P 0 L 0 MyBallot # 607 Reuss, Edward	C/L SC L. P0 L0 MyBallot # 147 Visscher, Bert
Comment Type E Comment Status D Multiple spelling and syntax errors	Comment Type TR Comment Status D
SuggestedRemedy	The translation of Ethernet type encoded and LLC encoded tagged frames is often the source of interoperability issues but is unfortunately not spelled out in the tables L.2 and L.3
Change "efficienty or appropirateness for actual implementation" to "efficiency or appropriateness of the actual implementation".	SuggestedRemedy Add tagged frame translation in tables L.2 and L.3
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate with #268. See #268 for editorial resolution.	Proposed Response Response Status W PROPOSED ACCEPT. Added examples to both tables that clarify the expected
	encapsulation. See document 11-05-0257-04-0apf. Editor included in draft 1.1 in Annex L.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/L SC L. P 0 L 0 MyBallot # 231 Mike, Moreton	C/ L SC L.1 P 0 L 0 MyBallot # 111 Bagby, David
Comment Type TR Comment Status D The title and introduction to this annex are incorrect. It does not describe the integration function or portal - it describes the 802.1H selective translation. While a portal may include an 802.1H translation function there is no need for it to do so, and 802.1H selective translations may also take place in STAs. SuggestedRemedy Replace all references to integration and portal in this annex with "IEEE Std. 802.1H-1997 (ISO/IECTR11802-5:1997) translation function" Proposed Response Response Status W	Comment Type TR Comment Status D missing word û should be ôàportal integration of the WLANàö SuggestedRemedy correct Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in L.1. C/ L SC L.2 P 0 L 0 MyBallot # 112
PROPOSED REJECT. The commenter is mistaken. The purpose of the annex is to recommend the behavior of a Portal. A STA need not translate MSDUs at all. It would be advisable to represent their format in the same way as a Portal would, but this is not a requirement. Moreover, this Recommended Practice does not simply recommend 802.1H, as most vendors use an 802.11-specific STT, rather than the one suggested in Annex A of 802.1 C/ L SC L.; clause L.1; page 947 P0 L0 MyBallot # [346] Hillman, Garth Comment Type E Comment Status D	Bagby, David Comment Type TR Comment Status D foot note 30 is interesting historically but not useful to the content of the annex SuggestedRemedy remove footnote Proposed Response Response Status W PROPOSED ACCEPT. Changed "NTI STT" to "802.11 Integration Service STT" to clarify its role. Editor included in draft 1.1 in L.2.
typo SuggestedRemedy of of -> of	C/ L SC L.2 P0 L0 MyBallot # 413 Chaplin, Clint
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in L.1. C/ L SC L.1 P 0 L 0 MyBallot # 269 Karcz, Kevin	Comment Type E Comment Status D "It is recommended that any WLAN system that logically incorporates a portal integrating the WLAN system with an Ethernet V2.0/IEEE 802.3 LAN use the procedures defined in IEEE St 802.1H-1997 (ISO/IEC TR11802-5:1997), with the 2-entry Selective Translation Table shown in Table L.1, to perform the Integration Function" Note the two periods at the end of this sentence.
Comment Type E Comment Status D "of of a WLAN system that includes a portal integration the WLAN"	SuggestedRemedy Delete one of the periods.
should be "of a WLAN system that includes a portal integration of the WLAN" SuggestedRemedy edit	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in L.2.
Proposed Response Response Status W PROPOSED ACCEPT. Duplicate of #306. See #306 for editorial resolution.	

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 C/ L
 SC L.2

Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ L SC L.2 Mike, Moreton	P 0	L 0	MyBallot # 232	C/ M Bagby, Da	SC M. vid	P 0	L 0	MyBallot # 122
document to select for de an infringement of TGma' SuggestedRemedy Delete clause L.2 and for	hanges are left in this docu tails of 802.1H - 802.1H its s PAR. ward it as a liaison to 802.	ument reade self or (bizar		correc Suggestea run sp Proposed	n M needs a sp t as necessary. <i>Remedy</i> ell check & corr Response			hancmentsö û spell check &
PROPOSED REJECT. T different STT. This Annex 802.11 implementations.	recommends a widesprea The use of a different STT	ad practice a , together w	n 802.1H because it uses a Iready implemented by many ith the translation rules for n the format presented here.	<i>Cl</i> M Bagby, Da <i>Comment</i>		P 0 Comment Status D	L 0	MyBallot # 117
	P 0 Comment Status D apsulation example, and T want three periods (or an o			are ab while r extens <i>Suggesteo</i>	stract (and can naintaining the ion of the stanc	sometimes also cause some stated goal of flexibility and ard in a wide variety of ways	confusion), l and hence se	nd the AP (refer to Clause 5) but they are crafted to do so erve to allow the adaptation ar
SuggestedRemedy Use a single period.	Response Status W			Proposed	Response OSED ACCEP ⁻	Response Status W	ded in draft 1	I.1 in M.1 with additional
C/ L SC L.3 Mike, Moreton Comment Type TR	ditor included in draft 1.1 in P 0 Comment Status D ic information in this clause schould be in thet docume	L 0 e - it is purel	<i>MyBallot #</i> 233	Suggestea	<i>Type</i> ER oportions are w <i>Remedy</i>	P 0 Comment Status D rong on figure M3 m the source document (11-	L 0	<i>MyBallot</i> # <u>490</u>
SuggestedRemedy Delete clause L.3 and for Proposed Response PROPOSED REJECT. A 802 LAN, (b) it is permiss and (c) the portal abstract	ward it as a liaison to 802. <i>Response Status</i> W Portal is not an 802.1D bi ible for a conformant 802. ² tion deliberately hides the	1. ridge, becau 11 ESS to be details of rea	ise (a) the DS is not itself an e transparent to Bridge PDUs, association from a bridge. on-compliant for no readily-	Proposed PROP	Response	Response Status W	,	ted with improved text size an
TYPE: TR/technical required COMMENT STATUS: D/dispa SORT ORDER: Clause, Sul	atched A/accepted R/reje	general requ cted RES	uired T/technical E/editorial G/g PONSE STATUS: O/open W/w	general ritten C/closec	U/unsatisfied	Z/withdrawn 7/6/2005 1	0:15:59 AM	Page 104 of 118 C/ M SC M.

Submission

Bob O'Hara, Cisco Systems

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C/ M SC M. Dakes, Ivan	P 0	L 0	MyBallot # 94	C/ M Bagby, D	SC M. avid	P 0	L 0	MyBallot # 123			
of here. It also replicate	Comment Status D dd clarity. Whilst perhaps us as section 5 and is debatable		ok on 802.11, it is better left or acy.	Commen Edit 7	Type ER	Comment Status D ring dataö would read better	in most place	es as ôdata filteringö.			
SuggestedRemedy	ufficient to define an AP, rer	nove the ne	w Anney M	chan	ge as suggested						
Proposed Response PROPOSED REJECT.	Response Status W		, PRO	Response POSED ACCEP se of the term "fil	Response Status W T. Use case action phrases v tering data".	vork best whe	en they start with a verb. $$ +				
work when thinking of o	intended (only) as an abstra r working with 802.11 techno	ology.		C/ M Engwer, I	SC M. Darwin	P 0	L 0	MyBallot # 491			
of the functions of an 80 found in typical device in Annex M is the primary The APF cmtee was for	The value is helping people to formulate and hold in their mind a clear and consistent model of the functions of an 802.11 device (in general) and esp. an AP, including the entities usually found in typical device implementations. Annex M is the primary result of the work of the AP Functionality (APF) chair's ad hoc cmtee. The APF cmtee was formed as a result of requests from several others groups (both within 80					Comment Type ER Comment Status D Annex M makes reference to some terms from 802.11F, this requires a corresponding annotation in Annex E.					
functional-needs-capwa descriptions.ppt and 11- 00-0wng-ap-functional-o the results it will genera	p.ppt and 11-04-0481-03-0v -04-0540-01-0wng-need-ap- descriptions-update.ppt whic	vng-thought functional-d h articulate	escriptions ppt and 11-04-060 the need for the APF group ar	Add a Proposed	Response	2.11F in Annex E. <i>Response Status</i> W F IN PRINCIPLE. Editor inclu	ided in draft 1	I.1 in Annex E.			
and 802.21. The purpose of Annex M descriptions. In reviewi everyone's understandir providing a clearer men	I is to add clarity to the stan ng the APF output documen ng of the 802.11 architecture tal mode for people to better or, Annex M does not reflect	dard in the t t (11-05-012 was impro	orm of addition informative 20-09) with various parties ved. Annex M thus succeeds I 802.11. Note that due to an nd full contents of the approve								
C/M SCM.	P 0	L 0	MyBallot # 617								
Turner, Sandra <i>Comment Type</i> E 05-120r9 Diagram Synta	Comment Status D ax notes are missing										
SuggestedRemedy Include 05/120r9 Diagra	am Syntax notes.										
	Response Status W N PRINCIPLE. The footnote tor included in draft 1.1 in Ar		1-05-0120-09 is being adapted ext introducing each figure.								
	patched A/accepted R/reje		uired T/technical E/editorial G PONSE STATUS: O/open W/		d U/unsatisfied	Z/withdrawn 7/6/2005 1	0:15:59 AM	Page 105 of 118 C/ M SC M.			

Submission

C/ M Myles, And	SC M. trew	P 0	L 0	MyBallot # 1	36	C/ M Bagby, Da ^v	SC M. vid	I	^{>} 0	L 0	MyBallot # 119
Comment		Comment Status D				Comment		Comment Stat	us D		
This annex provides very limited value given the large number of new terms and the semi-forr specification language					Edit 3: The primary functions of the WLAN System can be further characterized as a) Provic LAN access 1) includes MU validation 2) includes moving data (between the MUs and the L/ includingwith a special data movement function called ôfiltering dataö						
Suggested						Suggested	0 1	ii dala movement iu	nction calle	a onitering	08180
Remov	ve entire annex						-	l for wording - repla	cve formatti	ng that hac	to be lost to paste edits into
•	Response	Response Status W					oken spread sh			ng that had	
-	OSED REJECT. M is completely	informative material.				Proposed I	Response	Response Stat	us W		
The AF work w	PF description is when thinking of a	intended (only) as an abstra or working with 802.11 tech	nology.					T IN PRINCIPLE. "v a was lost in the edi			rement" should be subordina ess.
of the f found i Annex The AF	functions of an 8 in typical device M is the primary PF cmtee was fo	cople to formulate and hold in 02.11 device (in general) ar implementations. result of the work of the AF rmed as a result of requests	nd esp. an A P Functionali s from sever	P, including the er ty (APF) chair's ac al others groups (I	ntities usually d hoc cmtee.	is a mo the dia	ore specific forr	n of Move Data, as	indicated by	the hollow	red implications. Filtering Da / triangle terminated line in /ould alter the sematics in an
11-04- ap-fund 11-04-	0544-00-0wng-a ctional-descriptic	eed-ap-functional-description	ppt and 11-	04-0481-03-0wng-	•	Change "2) includes moving data (between the MUs and the LAN) with a special data movement function called filtering data" to "2) includes moving data (between the MUs and the LAN) 2a) with a special data movement function called "filtering data""					
which a	articulate the neo	ed for the APF group and th e new descriptive material a	e results it v re: IETF CA	vill generate. PWAP, 802.1X, 8	02.11 TGs						
The pu	urpose of Annex	M is to add clarity to the sta				Editor included in draft 1.1 in M.2 & M.4.					
everyo	one's understand	ing the APF output docume ing of the 802.11 architectur ntal model for people to bett	re was impro	oved. Annex M th	us succeeds	C/ M Bagby, Dav	SC M. vid	I	^{>} 0	L 0	MyBallot # 120
editoria submis	al compilation er ssion 11-05-0120	ror, Annex M does not reflec 0-09. The commenter is sol omplete removal) that would	ct the actual	and full contents over the second sec	of the approv	Comment edit 4:		Comment Stat		tions & Enł	hancments P802.11ma/D1.0
						Suggested Correc	•				
							•	Response Stati T IN PRINCIPLE. E		ed in draft 1	.1 in all headings. Not showr
YPE: TR/	technical require	d ER/editorial required GR	/general rec	uired T/technical	E/editorial G/ge	eneral					
OMMENT	T STATUS: D/dis	spatched A/accepted R/rej Subclause, page, line	0		0		U/unsatisfied	Z/withdrawn 7/	6/2005 10: <i>1</i>	15:59 AM	Page 106 of 118 C/ M SC M.

Submission

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ M SC M. P 0 L 0 MyBallot # 524 Engwer, Darwin	C/ M SC M. P 0 L 0 MyBallot # 234 Mike, Moreton
Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focused individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.	Comment Type TR Comment Status D While I appreciate a lot of hard work went into this annex, I don't really understand the point. seems to be saying "For those of you who didn't understand section 5, how about we invent a whole new set of terminology and explain it again." and all that's likely to do is to increase the confusion.
SuggestedRemedy Resolve the inconsistencies.	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task group	If there are valuable new concepts in this annex then incorporate them into clause 5, and dele the rest of this annex.
C/ M SC M. P 0 L 0 MyBallot # 417 Chaplin, Clint Comment Type E Comment Status D This annex mixes the use of "ACM STA" and "ACM_STA". SuggestedRemedy Please pick one or the other, and stick with it.	Proposed Response Response Status W PROPOSED REJECT. Annex M is completely informative material. The APF description is intended (only) as an abstract model to help in "systems" level work when thinking of or working with 802.11 technology. The value is helping people to formulate and hold in their mind a clear and consistent model of the functions of an 802.11 device (in general) and esp. an AP, including the entities usually found in typical device implementations. Annex M is the primary result of the work of the AP Functionality (APF) chair's ad hoc cmtee.
Proposed Response Response Status W PROPOSED ACCEPT. Editor has replaced ACM STA with ACM_STA. Editor included in draf 1.1 throughout Annex M.	The APF cmtee was formed as a result of requests from several others groups (both within 8(and outside 802) to clarify the AP functionality. Refer to submissions 11-04-0544-00-0wng-ar functional-needs-capwap.ppt and 11-04-0481-03-0wng-thoughts-on-ap-functional- descriptions.ppt and 11-04-0540-01-0wng-need-ap-functional-descriptions.ppt and 11-04-060
C/ M SC M. P 0 L 0 MyBallot # 454 Myles, Andrew	00-0wng-ap-functional-descriptions-update.ppt which articulate the need for the APF group ar the results it will generate. Anticipated users of the new descriptive material are: IETF CAPWAP, 802.1X, 802.11 TGs
Comment Type TR Comment Status D This annex provides very limited value given the large number of new terms and the semi-forr specification language SuggestedRemedy SuggestedRemedy Remove entire annex SuggestedRemedy	and 802.21. The purpose of Annex M is to add clarity to the standard in the form of addition informative descriptions. In reviewing the APF output document (11-05-0120-09) with various parties everyone's understanding of the 802.11 architecture was improved. Annex M thus succeeds providing a clearer mental mode for people to better understand 802.11. Note that due to an editoral compilation error, Annex M does not reflect the actual and full contents of the approve submission 11-05-0120-09.
Proposed Response Response Status W PROPOSED REJECT.	All of the terms used in annex M except for ACM_STA, MU, and AU are terms that are define in the existing standard. The usage of those terms is completely consisten with their definition
This comment was WITHDRAWN by the commenter.	and meaning. What Annex M does is to clarify those terms with respect to each other. Even though ACM_STA and MU are new terms they do not define anything new. They just give a name to existing modes of STA operation that then allow those modes to be easily and concisely referenced. The new term AU is cited only in passing as an example product instantiation, only in order to provide a basis for the abstract descriptions.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 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/ M
 SC M.

instantiation, only in order to provide a basis for the abstract descriptions.

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ M SC M. P 0 L 0 MyBallot # 118 Bagby, David	C/ M SC M. P 0 L 0 MyBallot # 492 Engwer, Darwin
Comment Type TR Comment Status D	Comment Type TR Comment Status D
Edit 2: <just before="" figure="" m2=""> An infrastructure WLAN system contains one or more APs and zero or more portals in addition to the DS.</just>	In compiling the 802.11REV-m-aD1.0 draft the Annex M page footnotes from source docume 11-05-0120-09 were omitted. These notes need to be included because they are crucial to t
SuggestedRemedy	effective communication of the diagrams and the material within to the reader.
Change as suggested	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in M.2.	Add the missing footnotes, or add descriptive in-line text to explain/ introduce the UML diagonal syntax to the reader.
	Proposed Response Response Status W
C/ M SC M. PO LO MyBallot # 598	PROPOSED ACCEPT. Duplicate with #607. See #607 for editorial resolution.
Newton, Paul	CIM SCM. PO LO MyBallot # 362
Comment Type E Comment Status D	Black, Simon
In submission 11-05-0120 the diagrams referenced in Annex M had footnotes explaining in	Comment Type E Comment Status D
detail the UML terminology giving a clearer understanding of each UML diagram.	Editorial on the basis that this is informative text. In the text above figure M2 I would say that
SuggestedRemedy	provision of connectivity between MUs is not a secondary function. Also in this annex care i
Add the footnotes from submission 11-05-0120 to annex M.	required when using 'LAN'. I read this as non-IEEE802.11 LAN - if this is the case it might b
Proposed Response Response Status W	useful to define it as so.
PROPOSED ACCEPT. Duplicate with #607. See #607 for editorial resolution.	SuggestedRemedy
	Consider rewording for the first point. For the second: throughout this secton I would sugges
C/ M SC M. P 0 L 0 MyBallot # 121 Bagby, David	looking far all occurences of LAN and clarifying (by perhaps defining the term to mean nonIEEE802.11 LAN). Sometimes LAN is used, others 'external LAN'.
	Proposed Response Response Status W
Comment Type ER Comment Status D Edit 5: System Configuratione the system <also change="" figures="" in="" term=""></also>	PROPOSED ACCEPT IN PRINCIPLE. The comment is broekn into parts:
SuggestedRemedy	1. connectivity between MUs is not a secondary function. Declined. Providing MUs with acc
change as suggested	to each other is secondary because this is a natural outcome of providing the MUs with acc
Proposed Response Response Status W	to the DS. Conceptually such traffic transits the AP, is forwarded to the DS, is returned to the same AP by the DS and then transmitted to the destination MU. Many AUs optimize this
PROPOSED REJECT. Declined. Use case action phrases work best when they start with a	process by checking their local tables and U-turning such traffic directly
verb. Changing to "System configuration" would make it a noun and lose the sense of action.	within the AU. But conceptually this traffic is still traversing the DS. Therefore this portion of your comment is declined.
	2. inconsistent LAN references. Accepted. Change all Annex M LAN references from "LAN" (whole word only) to "non-IEEE 802.11 LA
	E d'Annie de die des fan de die ser her af Annie de Annie de M

Editor included in draft 1.1 throughout Annex M.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Page 108 of 118

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 7/6/2005 10:16:00 AM
 C/ M
 SC M.

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

doc: IEEE 802.11-05/0482r2

C/ M So Hillman, Garth	С М. раде 949	P 0	L 0	MyBallot # 339	С/ М Yang, Lily	SC M. 2	2	P 0	L 0	MyBallot # 469		
	I recommend that a first	ent Status D st time reader sta	rt here and t	hen go back to the beginning	AP.":	structure m use "Infrasi	obile S	Comment Status D TAs operate in infrastructure l mobile STAs operate in infra				
SuggestedRemedy In Chapter 1 add a Clause entitled Organization. In that clause 'briefly' describe how and why the standard is organized as it is (i.e., a tiny bit of history) and suggest that a good place to sta might be Annex M and then proceed with Chapter 2 etc.						users of an AP." SuggestedRemedy use the suggested text.						
Proposed Resp PROPOSE		se Status W				l Response POSED AC	CEPT.	Response Status W Editor included in draft 1.1 in	M.2.			
C/ M So Bagby, David	С М.1	P 0	L 0	MyBallot # 113	<i>Cl</i> M Myles, Ar	SC M.2 ndrew	2	P 0	L 0	MyBallot # 450		
				as intended to refer to the ing û right?		should be "		Comment Status D				
SuggestedRem	edRemedy					dRemedy ect						
Proposed Resp PROPOSE		se S <i>tatus</i> W out they do so whi	le maintainir	ng the stated goal of flexibility	PRO	l Response POSED AC	CEPT.	Response Status W Duplicate with #469. See #46	9 for edito	rial resolution.		
Editor inclu	ded similar wording in a	draft 1.1 in M.1.										
C/ M So Chaplin, Clint	С М.1	P 0	L 0	MyBallot # 415								
AP function	ere is some confusion	entations of AP d	evices." I th	the relation of that term to th ink the sentence would be	1							
SuggestedRem Change to:	edy	confusion surrou	nding the te	rm "AP" and the relation of the vices.	3							
Proposed Resp	onse Respons	se Status W										

PROPOSED ACCEPT. Editor included in draft 1.1 in M.1.

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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 7/6/2005 10:16:00 AM

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-										
C/M SC M.2	P 0	L 0	MyBallot # 116	C/ M	SC M.2	ŀ	°0	L 0	MyBallot # 115	
gby, David				Bagby, Davi	d					
omment Type TR I find the use of the peop peopleà	Comment Status D ble symbols distracting as n	one of the e	entities shown are commonly	Comment Ty ôThe co lines?		Comment Stat s in a use case diag		tÆs a conr	nection line? The re	d horizor
ggestedRemedy				SuggestedR	emedv					
	DS) with out the people ou	tline in the r	oicture.	00		abel the lines or ?				
oposed Response	Response Status W			Proposed Re	0 0	Response Stati	is W			
proper syntax is to show The reason is that these system. Since they are Instead, references to th and expectations of, the scenarios (i.e. functions) of the system along with that functionality. That said, not all readers notes were included. The submission from wh syntax. Due to an editoral comp approved submission 11 The commenter is reque	style Use Case and Object I entities that are outside the external entities represent outside the system boundar e external entities are limite system, which is accomplis a decomposition of the enti- s will recognize or know the ich Annex M was created ir lation error Annex M does r -05-0120-09.	e system bo the actors (y, their inte d to descrip hed by des ities (object syntax of th acluded foot not reflect th submission	s and behaviors) that provide ne diagram so diagram syntax tnotes describing the diagram ne actual and full contents of th 11-05-0120-09 paying close	The syn The diag That sai notes we The sub syntax. Due to a approve The com attention See #60 C/ M Bagby, Davie Comment Ty The rein	grams are UM d, not all read ere included. mission from an editoral cor d submission menter is req to the page f 7 for editorial SC M.2 d <i>ype</i> TR troduction of f	e diagrams is not ar IL-style Use Case a lers will recognize of which Annex M was npilation error Anne 11-05-0120-09. Juested to review the footnotes that descr resolution.	nd Object M r know the s c created inc x M does nd e original su be the diag 20 us D onfusing. Th	syntax of the cluded footr ot reflect the ubmission 1 gram syntax <i>L</i> 0 nis is an exa	e diagram so diagra notes describing the e actual and full con 1-05-0120-09 payin <i>MyBallot</i> # [<u>114</u> ample of the reasor	e diagrar ntents of ng close
See #607 for editorial re	solution.			witness	the sale of sm	nall ôtravel apö devi	ces. It woul	ld be better	not to attempt to re	
M SC M.2	P 0	L 0	MyBallot # 92	SuggestedR	•	meaning into the e	quivalent of	onot miras		
kes, Ivan						avoid this problem.				
mment Type TR	Comment Status D			Proposed Re		Response State	IS M			
by the existance of the A	4 frame fromat. It could be association, no security), a i	argued that	ined by 802.11-1999 it is implie at sucha WDS STA can act in a re-like way and a AP-like way	PROPO The tern	SED REJECT n "ad hoc" is (•	ome time) de			ard and
ggestedRemedy Add WDS modes to list a	and describe.									
pposed Response	Response Status W									
	There is no such thing as W which is not currently defined									
	atched A/accepted R/reje		uired T/technical E/editorial (SPONSE STATUS: O/open W		U/unsatisfiec	I Z/withdrawn 7/0	6/2005 10: <i>*</i>	16:00 AM	Page 110 of 118 C/ M SC	M.2
ubmission								Boł	O'Hara Cisco	Sveto

Bob O'Hara, Cisco Systems

	Chaplin, Clint
11e uses the term "Non-AP STA" rather than MU, introduction of the term "MU" is just going to confuse. SuggestedRemedy Replace MU by "Non-AP STA" in Annex M.	Comment Type TR Comment Status D I forsee problems with this definition: "The mobile STAs are the STA entities that are ordinarily moving around, but may also be in a fixed location. The mobile adjective prefix often helps in visualizing the type of STA under discussion." There are already APs that move, and with active meshing, the mobility of APs is going to increase.
Proposed Response Response Status W PROPOSED REJECT. The Venn diagram grouping of "non-AP STA" is different from what is desired here, since non AP STA includes IBSS (or ad hoc mode) STAs. The specific terms used in Annex M are designed to be very specific and clear.	SuggestedRemedy 0 0 Proposed Response Response Status W PROPOSED REJECT. That is why the term description specification specifically identifies an MU as an "infrastructur" mode mobile STA".
	C/ M SC M.2 P 0 L 0 MyBallot # 470 Yang, Lily Yang, Li
Comment Type TR Comment Status D There is no "Access Control Mode" just a STA that accepts association. SuggestedRemedy Remove use of Access control mode STAs and replace it by text that says "STAs that accept association". Proposed Response Proposed Response Response Status W PROPOSED RE LECT The STA within an AP operates quite differently than an infrastructure	 Comment Type TR Comment Status D Figure M2: So WLAN system is not the same as ESS. WLAN system might be a superset of ESS. Correct? SuggestedRemedy A bit more clarification of the terminilogies used in Annex M in relation of the terminologies us in clause 5 would be helpful. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. "WLAN system" is defined in clause 3.122 This is a long standing definition present in the 802.11 standard since the 1997 edition. The previous name assigned to this definition was "infrastructure", which was deemed to be to general and difficult to differentiate from other uses of the word "infrastrucutre". Hence the term was renamed to "WLAN system". The actual definition was unchanged. Annex M then uses the "WLAN system" term in conjunction with corresponding diagrams to accurately convey the same information. An ESS does not include all the items in a WLAN system, for example it does not include the DS, which is hierarchically above the BSSs. See the response to your other comment on that same subject. Change "it is helpful to refer to a more general case" to "it is helpful to discuss the abstract case". Editor included in draft 1.1 in M.2. Also, make identical change to definition of WLAN System, as is done in 3.122 (now 3.121).

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general

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COMMENT STATUS: D/dispatched A/accepted R/rei	ed RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn		Page 111	01110
SORT ORDER: Clause, Subclause, page, line		7/6/2005 10:16:00 AM	C/ M	SC M.2

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ M SC M.2 P 0 L 0 MyBallot # 132 Myles, Andrew	C/ M SC M.3 P 0 L 0 MyBallot # 418 Chaplin, Clint				
omment Type E Comment Status D "I.e." should be "i.e"	Comment Type E Comment Status D The sentence "Move data (between the MUs and the AP)" does not need the parenthesis.				
uggestedRemedy Correct	SuggestedRemedy Get rid of the parenthesis.				
roposed Response Response Status W PROPOSED ACCEPT. Duplicate with #469. See #469 for editorial resolution.	Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in M.2 & M.3.				
/ M SC M.2 P 0 L 0 MyBallot # 98 akes, Ivan	C/ M SC M.4 P 0 L 0 MyBallot # 610 Reuss, Edward 610 <				
omment Type T Comment Status D Figure M.4, The definition of a protal is the interworkign unit between the 802.11 and non- 802.11 LAN segments. As The DS may or may not be 802.11, it may not even be a 802 network, then I think the position of the "Portal" in this figure is inaccurate, it is more accurate place it between the AP and DS. Further the defineition of an AP "An entity that has STA functionality and provides access to the distribution services" (3.2), means the AP logically	Comment Type E Comment Status D Poor syntax - "to/ from" SuggestedRemedy Change "to/ from" to "to and from".				
contains both the STA and portal components and it not a connector between the two.	Proposed Response Response Status W PROPOSED ACCEPT. Editor included in draft 1.1 in M.4.				
Remove Annex M as it is inaccurate.	C/ M SC M.4 P0 L0 MyBallot # 453				
oposed Response Response Status W	Myles, Andrew				
PROPOSED REJECT. The commenter is referred to the baseline descriptions in clause 5. Therein the placement of and function of the portal is defined, both in text and diagrams. Annex M reflects this information in a consistent manner.	Comment Type TR Comment Status D The text refers to IAPP-ADD and IAPP-MOVE indications However, these concepts are from 802.11F, which has very poor acceptance and may new				
/ M SC M.2 P 0 L 0 MyBallot # 95	become a non-trial recommended practice				
akes, Ivan	SuggestedRemedy				
omment Type TR Comment Status D	Remove references to 802.11F concepts				
The use of "mobile" just adds confusion	Proposed Response Response Status W PROPOSED REJECT.				
Remove the word "mobile" from within M.2 and references to it, e.g. paragraph after c) in m.2.	This comment was WITHDRAWN by the commenter.				
PROPOSED REJECT. Acknowledged that the term mobile is somewhat arbitrary since a non AP station can be stationary and an AP can be mobile. Yet, in RF terms even a stationary no AP STA must be considered "mobile" at all times. The term mobile (and the distinction it implies) was added at the explicit request of many of the initial reviewers of the material in order to help clarify the terms.					
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/ge COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/wri SORT ORDER: Clause, Subclause, page, line					

Submission

Bob O'Hara, Cisco Systems

July 2005	IE	EE P80	2.11REV-am Draft 1.0 Com	nments an	d resolu	utions	report by clause	doc	: IEEE 802.11-05/0482r2
C/ M SC M.4 Myles, Andrew	P 0	L 0	MyBallot # 133	<i>Cl</i> M Turner, S	SC N andra	1.4	P 0	L 0	MyBallot # 618
Comment Type E "extendes" should be "extendes"	Comment Status D tends"			Commen The v		E ends" is	Comment Status D spelled incorrectly in M.4 a1		
SuggestedRemedy Correct				Suggeste Repla			th "extends"		
Proposed Response PROPOSED ACCEPT. E	<i>Response Status</i> W ditor included in draft 1.1 in	M.4.			l Respons POSED A		Response Status W . Editor included in draft 1.1 in M.	4.	
C/ M SC M.4 Myles, Andrew	P 0	L 0	MyBallot # 134	C/ M Myles, Ar	SC N	1.4	P 0	L 0	MyBallot # 452
Comment Type E "notyfing" should be "notif	Comment Status D			<i>Commen</i> "noty	<i>t Type</i> fing" shou	E Ild be "n	Comment Status D		
SuggestedRemedy Correct				Suggeste Corre	edRemedy ect	/			
Proposed Response PROPOSED ACCEPT. E	Response Status W ditor included in draft 1.1 in	M.4.		•	l Respons POSED A		Response Status W . Editor included in draft 1.1 in M.	4.	
C/ M SC M.4 Reuss, Edward	P 0	L 0	MyBallot # 609						
Comment Type E Multiple spelling errors	Comment Status D								
SuggestedRemedy Change "extendes" to "ex	ttends" and "notyfing" to noti	fying".							
Proposed Response PROPOSED ACCEPT. E	<i>Response Status</i> W ditor included in draft 1.1 in	M.4.							
C/ M SC M.4 Myles, Andrew	P 0	L 0	MyBallot # 451						
Comment Type E "extendes" should be "ext	Comment Status D tends"								
SuggestedRemedy Correct									
Proposed Response PROPOSED ACCEPT. E	Response Status W ditor included in draft 1.1 in	M.4.							
	atched A/accepted R/reject		uired T/technical E/editorial G/ge PONSE STATUS: O/open W/writ		ed U/uns	atisfied	Z/withdrawn 7/6/2005 10:16:	00 AM	Page 113 of 118 C/ M SC M.4

Submission

Bob O'Hara, Cisco Systems

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doc: IEEE 802.11-05/0482r2

C/ M SC M.4 Myles, Andrew	P 0	L 0	MyBallot # 135	C/ M SC M.4 P 0 L 0 MyBallot # 611 Reuss, Edward
Comment Type TR The text refers to IAPP-A	Comment Status D	cations		Comment Type E Comment Status D This sentence is difficult to read.
However, these concepts become a non-trial recon SuggestedRemedy		has very po	oor acceptance and may never	SuggestedRemedy Change "adjustments based on notification from the APs of changes" to "adjustments, bas on notification from the APs, of changes".
Remove references to 80	2.11F concepts			Proposed Response Response Status W
Proposed Response	Response Status W			PROPOSED ACCEPT. The cited reference in clause M.5, not M.4.
generic. i.e. the updates exactly *how* that happe Therefore, change the te "The AP may also receive IAPP-MOVE indications." to: "An AP may also receive	come from other APs, but ns. xt from: e access control updates f	it is beyond from other A om other AF	to reference something more I the scope of Annex M to say APs in the form of IAPP-ADD ar Ps in the form of inter access	Change "The DS map determines" to "The DS's MU-to-AP map determines". Change "adjustments based on notification from the APs of changes" to "adjustments, which are based on notification from the APs, of changes" Editor included in draft 1.1 in M.5.
Editor included in draft 1.	1 in M.4.			C/ M SC M.6 P 0 L 0 MyBallot # 586 Montemurro, Michael
				Comment Type T Comment Status D M.6 or another section must address Broadcast/Multicast traffic as well as unicast traffic. I protocols such as ARP, DHCP are critical to operations in an IP network. Transmission of broadcast/multicast MSDUs are critical to AP functions.
				SuggestedRemedy
				Expand the description on portal and DS functions to address transmission of Broadcast/Multicast traffic.
				Proposed Response Response Status W PROPOSED REJECT. Those are secondary funcitons driven by specific use case scenarios, i.e., more refined or specialized, or extended capabilities, that only apply in some situations. Annex N is a better place to address this comment.
YPE: TR/technical required	ER/editorial required GR	/general rec	quired T/technical E/editorial	G/general Page 114 of 118

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 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn
 7/6/2005 10:16:00 AM
 C/ M
 SC M.6

 SORT ORDER:
 Clause, Subclause, page, line
 7/6/2005 10:16:00 AM
 C/ M
 SC M.6

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

C/ M SC M.6 P 0 L 0 MyBallot # 612 Reuss, Edward	C/N SCN. PO LO MyBallot # 525 Engwer, Darwin
Comment Type E Comment Status D Poor syntax - "to/from" SuggestedRemedy	Comment Type TR Comment Status D After the combination of the base standard, the subsequent ammendments and more focusec individual changes, there remain unresolved inconsistencies between the text in this clause a other clauses. This applies to this clause and all subclauses thereof.
Change "to/from" to "to and from".	SuggestedRemedy
Proposed Response Response Status W	Resolve the inconsistencies.
PROPOSED ACCEPT. Editor included in draft 1.1 in M.6.	Proposed Response Response Status W
C/ M SC M.7 P0 L0 MyBallot # 419	PROPOSED ACCEPT. No inconsistencies were identified by the commenter or the task grou
Chaplin, Clint Comment Type E Comment Status	C/ N SC N. P 0 L 0 MyBallot # 236 Mike, Moreton
The sentence fragment "Since transiting from a DS through a portal onto an integrated LAN, and then subsequently via another portal onto its DS is transparent," I am having problems parsing, because of comma placement.	Comment TypeTRComment StatusDIt's not clear how this SAP fits into the architecture.
SuggestedRemedy	SuggestedRemedy
Change to: "Since transiting from a DS through a portal onto an integrated LAN and then	Please supply an architecture diagram showing where it fits in.
subsequently via another portal onto its DS is transparent,"Proposed ResponseResponse StatusWPROPOSED ACCEPT. Editor included in draft 1.1 in M.7.	Proposed Response Response Status W PROPOSED ACCEPT. Diagram from 5/262r2 will be added. Editor included diagram in draft 2.0 in clause N.1.
C/ N SC N. P 0 L 0 MyBallot # 458 Myles, Andrew	C/ N SC N. P 0 L 0 MyBallot # 140 Myles, Andrew
Comment Type TR Comment Status D There is little obvious value in this annex	Comment Type TR Comment Status D There is little obvious value in this annex
SuggestedRemedy Remove entire annex	SuggestedRemedy Remove entire annex
Proposed Response Response Status W PROPOSED REJECT. As part of the AP Functional descriptions effort we were asked to add	Proposed Response Response Status W PROPOSED REJECT.
this information to the draft.	This comment was WITHDRAWN by the commenter. (dup)

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 RESPONSE STATUS: O/open W/written C/closed
 U/unsatisfied Z/withdrawn

 SORT ORDER:
 Clause, Subclause, page, line
 7/6/2005
 10:16:00 AM
 C/ N
 SC N.

IEEE P802.11REV-am Draft 1.0 Comments and resolutions report by clause

	MyBallot # 242	C/ N SC I Oakes, Ivan	N. I	P 0	L 0	MyBallot # 100
Status D		Comment Type	TR Comme	ent Status D		
		The definition distribution set	of an AP (3.2) "An e rvices" means an Af	P contrains the po	rtal and the	integration service. The AP
e the indicated interfaces,	or delete it entirely.					
Status W		It is the job of	the Integration Servi	ice, an "interworki	ng unit" in c	lassic protocol terminology, i
		guidelines (e.g NOTIFY.reque	g. Annex L). e.g. wh est in GPRS. The 80	at if the DS is a G	PRS netwo	rk, there is no STA-
P 0 L 0	MyBallot # 235	SuggestedRemed	y			
		Remove Anne	x N.			
Status D		Proposed Respon	se Respon	se Status W		
3 (just like the interface to	LLC)	PROPOSED F	REJECT. The assur	mption by the com	menter that	the AP contains both the
				correct. See clau	se 5 for the	description of the location of
			N 1	PO	/ 0	MyBallot # 614
roposed Response Response Status W				, 0	20	
PROPOSED REJECT. The DS SAP is not like the LLC interface. The commentor is referred to the original submission (doc 5/262r2) and 802.11REV-maD1.1 to see where the DS SAP fits into the architecture. The material is here in an annex because 802.11 does not define the				ent Status D		
ation belongs in an inform	ative annex.	2				
			•			
		0		se Status W		
		PROPOSED A	ACCEPT IN PRINCI	PLE. Duplicate wi	th 613. See	#613 for editorial resolution.
		C/ N SC I Mike, Moreton	N.1	P 0	L 0	MyBallot # 237
		<i>Comment Type</i> This clause is				
			•	ent with the style (used in othe	r sections of the document.
		, ,	, ACCEPT. Editor cha		n to editorial	. Annex was reviewed and
	escribed in terms of the statives. Why pick an incomplete the indicated interfaces, Status W is unlike 802.1 M-UNITDA submission (doc 5/262r2) a chitecture. PO LO Status D 5 (just like the interface to b Status W is not like the LLC interface 2) and 802.11REV-maD ² lis here in an annex becau	escribed in terms of the standard 802.1 M-UNITDATA titves. Why pick an incompatible API for no reason? e the indicated interfaces, or delete it entirely. Status W is unlike 802.1 M-UNITDATA or 802.11 MLME. The submission (doc 5/262r2) and 802.11REV-maD1.1 to chitecture. P0 L0 MyBallot # 235 Status D 5 (just like the interface to LLC) Status W is not like the LLC interface. The commentor is referred 2) and 802.11REV-maD1.1 to see where the DS SAP	 biscribed in terms of the standard 802.1 M-UNITDATA itives. Why pick an incompatible API for no reason? e the indicated interfaces, or delete it entirely. Status W is unlike 802.1 M-UNITDATA or 802.11 MLME. The submission (doc 5/262r2) and 802.11REV-ma-D1.1 to chitecture. P0 L0 MyBallot # [235 Status D Status D Status W is not like the interface to LLC) Status W is not like the LLC interface. The commentor is referrer 2) and 802.11REV-ma-D1.1 to see where the DS SAP lis here in an annex because 802.11 does not define thration belongs in an informative annex. SuggestedRemed Change "and/ Proposed Respon PROPOSED I Proposed Respon PROPOSED I Dor syntax - SuggestedRemed Change "and/ Proposed Respon PROPOSED I Distatus W is not like the LLC interface. The commentor is referrer 2) and 802.11REV-ma-D1.1 to see where the DS SAP lis here in an annex because 802.11 does not define thration belongs in an informative annex. SuggestedRemed Change "and/ Proposed Respon PROPOSED I Disclause is SuggestedRemed Change "and/ Proposed Respon PROPOSED I Disclause is SuggestedRemed Change "and/ Proposed Respon PROPOSED I Disclause is SuggestedRemed Change "and/ 	 Scribed in terms of the standard 802.1 M-UNITDATA titves. Why pick an incompatible API for no reason? te the indicated interfaces, or delete it entirely. Status W is unlike 802.1 M-UNITDATA or 802.11 MLME. The submission (doc 5/262/2) and 802.11 REV-ma-D1.1 to chitecture. P0 L0 MyBallot # [235 Status D Status D Status W is not like the interface to LLC) Status W is not like the LLC interface. The commentor is referrer 2) and 802.111 does not define the 2) and 802.111 does not define the 2) and 802.111 does not define the architecture. C/ N SC N.1 Reuss, Edward Comment Type E Commentor to and". Proposed Response Response PROPOSED ACCEPT IN PRINCICULATION (C) N SC N.1 Reuss, Edward Comment Type TR Commentor This clause is written in a very cor Suggested/Remedy Please reword to be more consiste Proposed Response Response Response PROPOSED ACCEPT IN PRINCICULATION (C) N SC N.1 	In terms of the standard 802.1 M-UNITDATA titves. Why pick an incompatible API for no reason? e the indicated interfaces, or delete it entirely. Status W is unlike 802.1 M-UNITDATA or 802.11 MLME. The submission (doc 5/262r2) and 802.11REV-ma–D1.1 to chitecture. P0 L0 MyBallot # [235] Status D 3 (just like the interface to LLC) Status W is not like the LLC interface. The commentor is referrer 2 and an annex because 802.11 does not define thation belongs in an informative annex. Status D Status W Status W is not like the LLC interface. The commentor is referrered in an annex because 802.11 does not define thation belongs in an informative annex. V SC N.1 P0 Reuss, EdWard Comment Type E Comment Status D Poor Syntax - "and/or" SuggestedRemedy CH N SC N.1 P0 Mike, Moreton Comment Type TR Comment Status D Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate wi Cl N SC N.1 P0 Mike, Moreton Comment Type TR Comment Status D This clause is written in a very convers	Excitates in terms of the standard 802.1 M-UNITDATA trives. Why pick an incompatible API for no reason? e the indicated interfaces, or delete it entirely. Status W is unlike 802.1 M-UNITDATA or 802.11 MLME. The submission (doc 5/262r2) and 802.11REV-ma-D1.1 to chitecture. P0 L0 MyBallot # [235 Status D Status W is unlike the interface to LLC) Status W Status W Status D Status W Status D Status W Status D C L0 MyBallot # [235 Status W Status C For L0 MyBallot # [235 Status C Comment of an AP (3.2) "An entity that has STA functionalit distribution services, an "Interface to the portal. A portal is a SAP between the I Service, it is not a module or unit. There is no AP-SAP, there is interface to the DS multicate to the DS multicate in the architecture. P0 L0 MyBallot # [235 Status D S (just like the interface. The commentor is referred. Status W is not like the LLC interface. The commentor is referred. Status W Status D S (just like the interface. The commentor is referred. CI N SC N.1 P0 L0 Reuso, Edward Conset Response Status W PROPOSED REJECT. The assumption by the commenter that portal and integration service is incorrect. See clause 6 for the these items in the architecture. CI N SC N.1 P0 L0 Reuso, Edward Comment Type E Comment Status D Poor syntax - "and/or" SuggestedRemedy Change "and/or" to "and". Proposed Response Status W PROPOSED ACCEPT IN PRINCIPLE. Duplicate with 613. See CI N SC N.1 P0 L0 Mike, Moreton Comment Type TR Comment Status D This clause is written in a very conversational style. SuggestedRemedy Please reword to be more consistent with the style used in other

Bob O'Hara, Cisco Systems

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C/ N SC N.1 P 0 L 0 MyBallot # 613 Reuss, Edward	C/ N SC N.2.1.1.2 P 0 L 0 MyBallot # 240 Mike, Moreton
Comment Type E Comment Status D Poor syntax - "in/out" SuggestedRemedy	Comment Type TR Comment Status D I don't believe the DS behaves any differently for an AP than it does for a portal. This view is supported by the lack of any described use of the "DestinationType" parameter. In any case this sort of information should be provided by a management interface, not with every MSDU
Change "in/out" to "in or out".	SuggestedRemedy
Proposed Response Response Status W	Delete the "SourceType" parameter.
PROPOSED ACCEPT IN PRINCIPLE. Editor included in draft 1.1 in N.1	Proposed Response Response Status W
C/ N SC N.2.1.1 P 0 L 0 MyBallot # 238 Mike, Moreton Comment Type TR Comment Status D As described, a received MSDU can be routed to LLC (via the MA-UNITDATA.indication	PROPOSED ACCEPT IN PRINCIPLE. Source type affects the handling of broadcast and multicast MSDUs. Add " A directed DSSDU from an AP or a portal is distributed through the DS to the corresponding AP or portal. A broadcast or multicast DSSDU from an AP is distributed to all APs and all portals, including the originating AP. A broadcast or multicast DSSDU from a portal is distributed to all APs and all portals, except the originating portal." to end of N.2,1,1,4. Editor included in draft 2.0 in N.2,1,1,4.
primitive) or to the DS (via the DS-UNITDATA.request primitive). I think having "request" for one and "indication" for the other is inconsistent.	
SuggestedRemedy	C/ N SC N.2.1.1.2 P0 L0 MyBallot # 137
Swap the request and indication.	Myles, Andrew
Proposed Response Response Status W	Comment Type TR Comment Status D It is not clear why the Source Type is useful
PROPOSED REJECT. DS-UNITDATA.request sends an SDU to the DS. DS-	
UNITDATA indication accepts an SDU from the DS. All 802.11 SDUs that come out of the	SuggestedRemedy Explain function of Source Type
ACM_STA (via the MAC_SAP) use the MA-UNITDATA.indication to get the SDU to the AP. The AP then uses DS-UNITDATA.request to forward the SDU to the DS.	
C/ N SC N.2.1.1.2 P 0 L 0 MyBallot # 455 Myles, Andrew	Proposed Response Response Status W PROPOSED ACCEPT. Source type affects the handling of broadcast and multicast MSDUs. See #240 for editorial resolution.
Comment Type TR Comment Status D It is not clear why the Source Type is useful	C/ N SC N.2.1.1.2 P 0 L 0 MyBallot # 239 Mike, Moreton Mike, Mik
SuggestedRemedy Explain function of Source Type	Comment Type TR Comment Status D Something of type "802.11 MSDU" does not contain (almost by definition) the parameters the accompany an MSDU when passed over another interface.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED REJECT.	List all the parameters.
This comment was WITHDRAWN by the commenter. (dup)	 Proposed Response Response Status W PROPOSED REJECT. The DS carries 802.11 MSDUs. Rather than respecify that here we point to clause 6.2.1.1.2 for the complete definition there. If that definition changes this descriptions remains intact. Since the DS SAP connects to the MAC SAP through the AP th both have exactly the same parameters available.

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 7/6/2005
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 C/ N
 SC N.2.1.1.2

Submission

July 2005 IEEE P802.1	1REV-am Draft 1.0 Com	ments and	d resolutions re	eport by clause	doc	IEEE 802.11-05/0482r2
C/ N SC N.2.1.2.2 P 0 L 0 / Mike, Moreton	MyBallot # 241	C/ N Myles, An	SC N.2.2.1.2 drew	P 0	L 0	MyBallot # 457
Comment Type TR Comment Status D The DS tells the recipient whether it's an AP or Portal??? Surely th know this!	e recipient must already	Comment If the Suggestee	Enumeration is M	Comment Status D DVE then it appears a "move to	o à" parar	neter is missing
SuggestedRemedy Delete the "DestinationType" parameter.		Add a	nother parameter			
Proposed Response Response Status W PROPOSED ACCEPT.			Response POSED REJECT.	Response Status W		
See resolution to comment #138.		This c	comment was WIT	HDRAWN by the commenter.	(dup)	
	MyBallot # 138	<i>Cl</i> N Myles, An	SC N.2.2.1.2 drew	P 0	L 0	MyBallot # 139
Comment Type TR Comment Status D It is not clear why the Destination Type is useful		Comment If the	51	Comment Status D DVE then it appears a "move to	o à" parar	neter is missing
SuggestedRemedy Explain function of Destination Type		Suggester Add a	dRemedy nother parameter			
Proposed Response Response Status W PROPOSED ACCEPT. Remove the Destination Type parameter from the parameter table. Editor included in draft 2.0 in N.2.1.2.2.	om the parameter list and	PROF		Response Status W An AP can "ADD" a DS STA- P mapping to itself, or it can "D		
C/N SC N.2.1.2.2 P0 L0 / Myles, Andrew	MyBallot # 456	C/ O Aboba, Be	SC O. ernard	P 0	L 0	MyBallot # 20
Comment Type TR Comment Status D It is not clear why the Destination Type is useful		Comment Add A	51	Comment Status D P Method Requirements for W	'LAN".	
SuggestedRemedy Explain function of Destination Type		Suggester Add A		ning material from RFC 4017.		
Proposed Response Response Status W PROPOSED REJECT.		PROF		Response Status W We have accepted your propos	sal on RF	C 4017 in comment #6. See
This comment was WITHDRAWN by the commenter. (dup)		comm	ent #6 for editoria	l resolution.		

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
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 C/ 0
 SC 0.