

CI 00 SC 0 P L # 8  
KANDALA, SRINIVAS Individual

Comment Type T Comment Status X

Future standardized waveforms use 40MHz (see 802.11n draft). These waveforms provide interoperability and coexistence only when channel centers are defined with 20MHz separation. There should be a requirement for new devices to have channel occupancy separated by 20MHz in 2.4 GHz. To minimize adjacent and co-channel interference, it would be best if the devices are centered in Channels 1, 6 or 11.

*SuggestedRemedy*

Restrict new devices to be centered on channels 1, 6 or 11.

Proposed Response Response Status O

CI 00 SC 0 P L # 9  
MYLES, ANDREW F Individual

Comment Type TR Comment Status X

In a previous ballots, I requested the removal of Annex N because I believed it had no value. This comment is a repeat of those comments  
This request was previously rejected with, "The consensus of the working group is that the material in Annex N is useful. Inclusion of Annex N was approved unanimously in March 2005 (document 05/205r0, motion #7). This text was developed in response to requests from 802.11 members and external SDOs for additional description of AP functionality. Annex N describes the functions of an AP using a UML-based syntax to clarify AP function versus common implementations of AP devices. The burden of proving that Annex N is not useful is on the commenter.."

This response is unreasonable because it is impossible to prove no value. Given this is new material, I strongly believe that it is incumbent on the authors to describe what value is provided. They have failed to do so on multiple occasions

I would also note that it is somewhat misleading to believe the majority of the WG believes the material is useful based on a motion held in TGM . The most that can be said is that it was approved by those self selected individuals in the room at the time. The minutes do not record how many people voted in the affirmative but based on the previous motion it was probably less than 13 and possibly less than 7. I suspect the vast majority of WG members have no clue Annex N exists.

What I can say is that Annex N attempts to describe the functions of an AP using a abstract form, new terminology (eg mobile STAs) and a new language (eg based on UML). The majority of the annex is used to describe the new terminology and language. I assert the majority of knowledgeable WG members would not recognise the description.

*SuggestedRemedy*

Remove Annex N

Proposed Response Response Status O

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

CI 00  
SC 0

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Cl 00 SC 0 P L # 10  
COORDINATION, EDITORIAL

Comment Type GR Comment Status X

Please look at Clause 2 carefully. You have updated to the new IEEE introductory paragraph that states:  
The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies. However, all of your references are still dated. Do you want users to update to the most recent edition? If so, you need to remove the dates while the draft is still being recirculated.

SuggestedRemedy

Remove dates of those references you would like to be automatically updated to the most recent edition.

Proposed Response Response Status O

Cl 00 SC 0 P L # 11  
COORDINATION, EDITORIAL

Comment Type ER Comment Status X

As per IEEE style, the bibliography should always fall at the end or the beginning of the series of annexes. Currently, the bibliography falls right in the middle. I suggest moving it to the beginning since new annexes will continue to be added in the future.

SuggestedRemedy

Suggest moving bibliography to first or last annex.

Proposed Response Response Status O

Cl 00 SC 0 P L # 12  
COORDINATION, EDITORIAL

Comment Type ER Comment Status X

Figures in IEEE standards are printed in black ink only. Figure 4 is colored. Please make sure this figure will maintain its integrity when printed as black ink.

SuggestedRemedy

Proposed Response Response Status O

Cl 03 SC 3.1 P 47 L 5 # 38  
PALM, STEPHEN R Individual

Comment Type TR Comment Status X

STAs and APs are plain now. No need to reference Quality of Service

SuggestedRemedy

Delete "Quality of Service (QoS)"

Proposed Response Response Status O

Cl 03 SC 3.118 P 12 L 51 # 22  
CHAPLIN, CLINT F Individual

Comment Type E Comment Status X

Wrong article

SuggestedRemedy

Change "an non-QoS AP" to "a non-QoS AP"

Proposed Response Response Status O

Cl 03 SC 3.118 P 54 L 49 # 29  
PALM, STEPHEN R Individual

Comment Type TR Comment Status X

The definition no longer needed since we are doing away with "Q"

SuggestedRemedy

Delete entire definition

Proposed Response Response Status O

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

Cl 03  
SC 3.118

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**Cl 03**    **SC 3.119**                    **P 54**    **L 54**    # **30**  
 PALM, STEPHEN R                    Individual  
*Comment Type*    **TR**            *Comment Status*    **X**  
     The definition no longer needed since we are doing away with "Q"  
*SuggestedRemedy*  
     Delete definition entirely  
*Proposed Response*            *Response Status*    **O**

**Cl 03**    **SC 3.122**                    **P 55**    **L 7**    # **32**  
 PALM, STEPHEN R                    Individual  
*Comment Type*    **TR**            *Comment Status*    **X**  
     The definition no longer needed since we are doing away with "Q"  
*SuggestedRemedy*  
     Delete definition entirely  
*Proposed Response*            *Response Status*    **O**

**Cl 03**    **SC 3.121**                    **P 55**    **L 4**    # **31**  
 PALM, STEPHEN R                    Individual  
*Comment Type*    **GR**            *Comment Status*    **X**  
     The definition no longer needed since we are doing away with "Q"  
*SuggestedRemedy*  
     Delete definition entirely  
*Proposed Response*            *Response Status*    **O**

**Cl 03**    **SC 3.131**                    **P 55**    **L 40**    # **33**  
 PALM, STEPHEN R                    Individual  
*Comment Type*    **TR**            *Comment Status*    **X**  
     We agreed to remove "Q" and related  
*SuggestedRemedy*  
     Delete: "Quality of Service (qos)"  
*Proposed Response*            *Response Status*    **O**

**Cl 03**    **SC 3.122**                    **P 13**    **L 8**    # **23**  
 CHAPLIN, CLINT F                    Individual  
*Comment Type*    **E**            *Comment Status*    **X**  
     Wrong article  
*SuggestedRemedy*  
     Change "an non-QoS STA" to "a non-QoS STA"  
*Proposed Response*            *Response Status*    **O**

**Cl 03**    **SC 3.135**                    **P 55**    **L 55**    # **34**  
 PALM, STEPHEN R                    Individual  
*Comment Type*    **TR**            *Comment Status*    **X**  
     We agreed to remove "Q" and related.  
*SuggestedRemedy*  
     Delete "Quality of Service (QoS)"  
     Use "STA" (not "station") consistantly.  
*Proposed Response*            *Response Status*    **O**

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

**Cl 03**  
**SC 3.135**

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CI 03 SC 3.34 P 49 L 13 # 26  
 PALM, STEPHEN R Individual  
 Comment Type TR Comment Status X  
 Removing the "Q" was not done correctly here (and several other places). There are just APs and STA, not QoS APs nor QoS STAs.  
 SuggestedRemedy  
 Delete "Quality of Service (qoS)"  
 Replace "QoS Station" with STA  
 Proposed Response Response Status O

CI 03 SC 3.36 P 49 L 21 # 27  
 PALM, STEPHEN R Individual  
 Comment Type TR Comment Status X  
 Removal of "Q" artifacts handled inccorectly  
 SuggestedRemedy  
 Delete "Quality of Service (QoS)".  
 Delete "QoS" twice.  
 consistantly only use "AP" and "STA", not the full words.  
 Proposed Response Response Status O

CI 03 SC 3.51 P 50 L 21 # 28  
 PALM, STEPHEN R Individual  
 Comment Type TR Comment Status X  
 Here as in several other places, "Q" removal was handled inccorectly.  
 SuggestedRemedy  
 Delete "quality of Service (QoS)"  
 Delete "QoS" twice  
 Use "STA" and "AP" consistantly  
 Proposed Response Response Status O

CI 03 SC 3.65 P 9 L 21 # 1  
 STANLEY, DOROTHY V Individual  
 Comment Type E Comment Status X  
 one instance of non-QSTA is still there  
 SuggestedRemedy  
 Change from "non-QSTA" to "non-QoS STA"  
 Proposed Response Response Status O

CI 03 SC 3.65 P 9 L 21 # 21  
 CHAPLIN, CLINT F Individual  
 Comment Type E Comment Status X  
 One last QSTA that was missed  
 SuggestedRemedy  
 Change "non-QSTAs" to "non-QoS STAs"  
 Proposed Response Response Status O

CI 05 SC 5.2.6 P 31 L 27 # 24  
 CHAPLIN, CLINT F Individual  
 Comment Type E Comment Status X  
 Wrong article  
 SuggestedRemedy  
 Change "a AP" to "an AP"  
 Proposed Response Response Status O

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

CI 05  
 SC 5.2.6

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CI 06 SC 6.1.1 P 93 L 17 # 39  
PALM, STEPHEN R Individual

Comment Type TR Comment Status X

Was "QoS STA" an attempt to shorthand a "STA with QoS Facility". The shorthand is confusing and just a variant of "QSTA" that we agreed to get rid of the "Q" and just have "STA"s.

*SuggestedRemedy*

Replace "QoS STA" with "STA with QoS Facility" in many places throughout the document.

Proposed Response Response Status O

CI 07 SC 7.1.3.5.7 P 70 L 28 # 2  
STANLEY, DOROTHY V Individual

Comment Type E Comment Status X

Figure 21 includes a QAP

*SuggestedRemedy*

Change "QAP" to "AP in Figure 21

Proposed Response Response Status O

CI 07 SC 7.3.2.2 P 145 L 23 # 35  
PALM, STEPHEN R Individual

Comment Type TR Comment Status X

The current revisions are an improvement, but it seems that still more could be done to clarify. A few sentences later, a reference to a table of encodings is used. That seems better than using the current revised text which is not strictly logically correct.

*SuggestedRemedy*

Make the two data rate sentences consistent by using the later reference to the table in 10.4.4.2.

Proposed Response Response Status O

CI 07 SC 7.4.5 P 152 L 48 # 19  
STEPHENS, ADRIAN P Individual

Comment Type TR Comment Status X

The change highlights the question of what can go into or follow the vendor specific content. The implication of figure 118 is that the vendor specific content is of variable length and unconstrained (except through the MPDU length limits). However this is not true - there is an additional constraint, that the vendor specific content internally define its length. The reason for this is that the action frame format shown in Table 19, permits one or more vendor specific information elements to follow the action field. Without the Action field being able to determine its own length internally, it is not possible to parse the vendor-specific information elements.

*SuggestedRemedy*

In 7.2.3.12, after: "One or more... all other information elements" add: ", except this shall be absent in the case of the Vendor Specific action frame."

Proposed Response Response Status O

CI 07 SC 7.4.5 P 194 L 47 # 37  
PALM, STEPHEN R Individual

Comment Type TR Comment Status X

This is an improvement on previous, however, "fields" implies it must be more than one.

*SuggestedRemedy*

Replace "the vendor specific fields" with "vendor specific field(s)"

Proposed Response Response Status O

CI 08 SC 8.1.4 P 156 L 53 # 3  
STANLEY, DOROTHY V Individual

Comment Type E Comment Status X

Typo

*SuggestedRemedy*

Change "mastery" to "master"

Proposed Response Response Status O

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

CI 08  
SC 8.1.4

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**CI 08**    **SC 8.5.3.5**                      **P 217**    **L 32**    # **4**  
 STANLEY, DOROTHY V                      Individual  
*Comment Type*    **E**                      *Comment Status*    **X**  
     Incorrect grammar  
*SuggestedRemedy*  
     Change from "SMKSA and their initiate" to "the SMKSA and initiate"  
*Proposed Response*                      *Response Status*    **O**

**CI 09**    **SC 9.12**                              **P 310**    **L 13**    # **5**  
 STANLEY, DOROTHY V                      Individual  
*Comment Type*    **E**                      *Comment Status*    **X**  
     QAP in table  
*SuggestedRemedy*  
     Change to AP  
*Proposed Response*                      *Response Status*    **O**

**CI 08**    **SC 8.5.5**                              **P 223**    **L 39**    # **7**  
 STANLEY, DOROTHY V                      Individual  
*Comment Type*    **E**                      *Comment Status*    **X**  
     Simplify wording and add missing article  
*SuggestedRemedy*  
     Change from "At this point the Supplicant also enters PEERKEYINIT state" to  
     "The Supplicant enters the PEERKEYINIT state"  
*Proposed Response*                      *Response Status*    **O**

**CI 09**    **SC 9.12**                              **P 312**    **L 46**    # **6**  
 STANLEY, DOROTHY V                      Individual  
*Comment Type*    **E**                      *Comment Status*    **X**  
     QAP term used  
*SuggestedRemedy*  
     Change from "QAP" to "AP"  
*Proposed Response*                      *Response Status*    **O**

**CI 09**    **SC 9.1.3.2**                              **P 298**    **L 14**    # **40**  
 PALM, STEPHEN R                              Individual  
*Comment Type*    **TR**                      *Comment Status*    **X**  
     HCCA has turned out to be irrelevant, unimplemented and confusing to industry.  
*SuggestedRemedy*  
     Delete HCCA functionality and all references to it.  
*Proposed Response*                      *Response Status*    **O**

**CI 11**    **SC 11.2.1.4**                              **P 486**    **L 42**    # **41**  
 PALM, STEPHEN R                              Individual  
*Comment Type*    **TR**                      *Comment Status*    **X**  
     This clause contains numerous technical errors.  
*SuggestedRemedy*  
     Recommend that text be compared to WMM Specification and updated to correct technical  
     errors.  
*Proposed Response*                      *Response Status*    **O**

CI 17 SC 17.5.4.3 P 636 L 29 # 20  
 ECCLESINE, PETER Individual  
 Comment Type E Comment Status X  
 Heading of right column missing '5' in MHz channel spacing  
 SuggestedRemedy  
 Editor to insert 5  
 Proposed Response Response Status O

CI A SC A P 750 L 8 # 15  
 ECCLESINE, PETER Individual  
 Comment Type G Comment Status X  
 OF3.8.3 Status should be CF11, not CF10, as it applies to 4.9 GHz  
 SuggestedRemedy  
 Make Status use CF11  
 Proposed Response Response Status O

CI A SC A P 749 L 52 # 13  
 ECCLESINE, PETER Individual  
 Comment Type G Comment Status X  
 OF3.8.1 Status should be CF11, not CF10, as it applies to 4.9 GHz  
 SuggestedRemedy  
 Make Status use CF11  
 Proposed Response Response Status O

CI D SC D P 999 L 7 # 25  
 CHAPLIN, CLINT F Individual  
 Comment Type E Comment Status X  
 Wrong article  
 SuggestedRemedy  
 Change "an non-QoS BSS" to "a non-QoS BSS"  
 Proposed Response Response Status O

CI A SC A P 750 L 5 # 14  
 ECCLESINE, PETER Individual  
 Comment Type G Comment Status X  
 OF3.8.2 Status should be CF11, not CF10, as it applies to 4.9 GHz  
 SuggestedRemedy  
 Make Status use CF11  
 Proposed Response Response Status O

CI I SC I P 1148 L 13 # 17  
 ECCLESINE, PETER Individual  
 Comment Type E Comment Status X  
 Text and Figure Title refer to H.2, but should be I.1  
 SuggestedRemedy  
 Proposed Response Response Status O

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CI I SC I P1149 L 44 # 16  
 ECCLESINE, PETER Individual

Comment Type E Comment Status X

Figure I.6 on p1149 has a title in BLUE instead of BLACK, and is titled Figure H.3 on I22

*SuggestedRemedy*

Redraw figure to Style Guide req'ts and correctly title it (I.2)

Proposed Response Response Status O

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CI J SC J.3 P1154 L 29 # 18  
 ECCLESINE, PETER Individual

Comment Type G Comment Status X

Table J.3 does not show 5.25-5.35 GHz, which is available in Japan. See comment #297 on REV-MA D5.0 (06/91r2 p6). In Table J.3, insert Regulatory Class 30, Channel starting frequency 5, Channel spacing 20, Channel set 52, 56, 60, 64, Transmit power limit 22, Emissions limits set 1, Behavior limits set 1, 2, 6; and specify Regulatory classes 31-255 Reserved

*SuggestedRemedy*

Editor to add Regulatory Class 30 with text from comment.

Proposed Response Response Status O

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CI N SC N P1217 L 1 # 36  
 PALM, STEPHEN R Individual

Comment Type GR Comment Status X

Annex N attempts to redefine AP functionality. It's inclusion in the standard causes confusion

*SuggestedRemedy*

Delete Annex N. If desired, the contents may be contained in a separate document or contribution.

Proposed Response Response Status O

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

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