
IEEE P802.11
Wireless LANs

**11k Sponsor Ballot Conditional Report to EXCOM for Sending
D13.0 to REVCOM****Date:** 2008-03-19**Author(s):**

Name	Affiliation	Address	Phone	email
Richard Paine	The Boeing Company	6115 72 nd Dr NE Marysville, Wa 98270	206-854-8199	richard.h.paine@boei ng.com
Stuart Kerry	NXP Semiconductors	1109 McKay Drive, M/S 48A SJ, San Jose, CA 95131-1706	408-474-7356	stuart@ok-brit.com

Abstract

This document is the conditional report to EXCOM for sending D13.0 to REVCOM.

IEEE P802.11 Wireless LANs
Radio Resource Measurement of Wireless LANs
802.11k Conditional Report to EXCOM to forward D13.0 to REVCOM

Date: 2007-3-19

Author(s):

Stuart J. Kerry, IEEE 802.11 Working Group Chair
NXP Semiconductors
408-474-7356
stuart@ok-brit.com

Richard Paine, IEEE 802.11k Chair and SB Comment Resolution Committee Chair
The Boeing Company
6115 72nd Dr NE Marysville, Wa 98270
206-854-8199
richard.h.paine@boeing.com

Abstract

This is the report to be submitted to the IEEE 802 Executive Committee, documenting that the P802.11k 6th recirculation ballot on 802.11k draft 13.0 meets all the requirements of conditional approval to forward document D13.0 to REVCOM.

This report to the 802 Executive Committee documents the conditions in Clause 19, as they apply to the final sponsor ballot recirculation ballot on draft 13.0 of IEEE 802.11k.

From the 802 LMSC Policies and Procedures, Clause 19:

Reporting from Clause 19:

- Date the ballot closed
 - Vote tally including Approve, Disapprove and Abstain votes
 - Comments that support the remaining disapprove votes and WG responses.
 - Schedule for recirculation ballot and resolution meeting.
-
- 6th Recirculation Dates and Vote Tally

Ballot Open Date: 03/03/2008
Ballot Close Date: 03/18/2008

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

135 eligible people in this ballot group

106 affirmative votes
3 negative votes with comments
0 negative votes without comments
6 abstention votes
115 votes received = 85% returned
5% abstention

APPROVAL RATE

The 75% affirmation requirement is being met:

106 affirmative votes

3 negative votes with comments (Chaplin, Engwer, Palm)

109 votes = 97% Affirmative

- Comments that support the remaining disapprove votes are attached. The attached comment report includes the Comment Resolution Committee resolutions, rationale for rejection, and rationale for ruling any comment invalid.
- 11k Sponsor Ballot has completed its 6th recirculation with no changes to D13.0 which concluded on 2008-03-18.

The actual conditions from Clause 19 of the 802 Policies and Procedures are shown in blue and the condition responses in black:

Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.

When conditional forwarding to LMSC ballot has been approved, the conditions shall be met before initiating LMSC ballot. When conditional forwarding to RevCom has been approved by the EC, the submittal may be forwarded to RevCom before the conditions have been fulfilled in order to meet the submittal requirements for the next RevCom meeting. However, the submittal shall be withdrawn from the RevCom agenda if the conditions have not been met one week before the RevCom meeting.

Conditions:

a) Recirculation ballot is completed. Generally, the recirculation ballot and resolution should occur in accordance with the schedule presented at the time of conditional approval.

- P802.11k 6th Recirculation Dates

6th Recirculation Sponsor Ballot Open Date: 2008-3-3

6th Recirculation Sponsor Ballot Close Date: 2008-3-18

This completion date meets the schedule presented in the November Atlanta meeting that was the conditional approval date. The conditional approval schedule was to be completed before the end of the next 802 plenary in Orlando.

b) After resolution of the recirculation ballot is completed, the approval percentage is at least 75% and there are no new DISAPPROVE votes.

- P802.11k 6th Recirculation Vote Tally:

106 Approve

3 Disapprove

6 Abstain

115 Total

97% Affirmative with no new DISAPPROVE votes

This meets the required 75% criteria.

c) No technical changes, as determined by the WG Chair, were made as a result of the recirculation ballot.

No technical changes were made as a result of the P802.11k 6th recirculation ballot.

d) No new valid DISAPPROVE comments on new issues that are not resolved to the satisfaction of the submitter from existing DISAPPROVE voters.

No new valid DISAPPROVE comments on new issues were received in the P802.11k 6th recirculation ballot.

e) If the WG Chair determines that there is a new invalid DISAPPROVE comment or vote, the WG Chair shall promptly provide details to the EC.

No DISAPPROVE comments were received in recirculation #6.

f) The WG Chair shall immediately report the results of the ballot to the EC including: the date the ballot closed, vote tally and comments associated with any remaining disapproves (valid and invalid), the WG responses and the rationale for ruling any vote invalid.

This report provides all the information listed above in condition f).

Richard H. Paine
11k Chair
206-854-8199
richard.h.paine@boeing.com

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D8.0 SC 11.10.8.1 P92 L8 # 213
Chaplin, Clint Individual

Comment Type TR Comment Status A

DS: The following text "A Beacon measurement request with Channel Number set to 255 shall only specify a specific BSSID (wildcard BSSID not allowed)." places a restriction on use of the wildcard BSSID when the Beacon Report specifies the channels in the AP Channel Report. This prevents the simple request of an AP asking the STA to scan on all channels specified in the AP channel report and report to the AP all BSSIDs heard//found on those channels.

SuggestedRemedy

Delete the parenthetical comment.

Response Response Status U

PRINCIPLE.
Editor to implement 07/2302r4 Sect4

Cl 11k-D8.0 SC 0 P0 L0 # 214
Chaplin, Clint Individual

Comment Type ER Comment Status A

Page iv: "The following is a list of participants in the... Working Group." The name of the working group needs to be filled in.

SuggestedRemedy

Fill in the name of the working group

Response Response Status U

ACCEPT.

Cl 11k-D8.0 SC 0 P0 L0 # 215
Chaplin, Clint Individual

Comment Type ER Comment Status A

Page iv: Tim Godfrey is no longer the secretary of IEEE 802.11

SuggestedRemedy

Replace the name with the current secretary of 802.11.

Response Response Status U

ACCEPT.

Cl 11k-D8.0 SC 7.3.2.22.8 P41 L17 # 216
Chaplin, Clint Individual

Comment Type TR Comment Status A

"indexed by x."

SuggestedRemedy

"indexed by x+1."

Response Response Status U

ACCEPT.

Cl 11k-D8.0 SC 7.3.2.28 P46 L18 # 217
Chaplin, Clint Individual

Comment Type ER Comment Status A

Editor's instruction: "Change the third paragraph of 7.3.2.28 and format as formula as follows:"

SuggestedRemedy

"Change the third paragraph of 7.3.2.28 and format the formula as follows:"

Response Response Status U

ACCEPT.

Cl 11k-D8.0 SC 11.10.8.2 P93 L32 # 218
Chaplin, Clint Individual

Comment Type TR Comment Status A

"Average RCPI = (Last Average RCPI * (N-1) / N) + (Current frame RCPI / N), where N = 32." why in the world deoes this formula define a variable, when the variable has a fixed value? Seems like overkill to me.

SuggestedRemedy

"Average RCPI = (Last Average RCPI * (31) / 32) + (Current frame RCPI /32)."

Response Response Status U

ACCEPT.

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

Comment ID # 218

3/18/2008 4:09:00 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D8.0 SC 11.10.8.6 P95 L7 # 219
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"which together represent Latitude, Longitude or Altitude to 34-, 34-, or 30-bits" When I first read this, I assumed that the "34-, 34-, or 30" could be applied to Latitude, and also to Longitude, and also to Altitude. It took subsequent readings to figure out what was being said.

SuggestedRemedy

"which together represent Latitude, Longitude and Altitude to a maximum resolution of 34-, 34-, and 30-bits respectively"

Response Response Status U

ACCEPT.

Cl 11k-D8.0 SC 11.11.2 P98 L17 # 220
 Chaplin, Clint Individual

Comment Type TR Comment Status A

"A STA receiving a neighbor report element with an unknown sub-element identifier shall ignore the unknown sub-element and continue to process remaining sub-elements. A STA receiving a neighbor report element containing a Vendor Specific sub-element with an unknown OUI shall ignore this Vendor Specific sub-element and continue to process any remaining Vendor Specific sub-elements." "Shall?" Isn't that a bit strong? Who knows what in the STA will be processing this report?

SuggestedRemedy

Replace "shall" with "should": "A STA receiving a neighbor report element with an unknown sub-element identifier should ignore the unknown sub-element and continue to process remaining sub-elements. A STA receiving a neighbor report element containing a Vendor Specific sub-element with an unknown OUI should ignore this Vendor Specific sub-element and continue to process any remaining Vendor Specific sub-elements."

Response Response Status U

PRINCIPLE.

P98, L19-20: change "shall ignore this vendor specific sub-element and continue" to "should ignore this vendor specific sub-element and shall continue".

Cl 11k-D8.0 SC 5.2.7.10 P20 L7 # 235
 Palm, Stephen Individual

Comment Type TR Comment Status A

What is the meaning of "QoS-type" The usage of "QoS" in this sentence is not consistent with the QoS Facility nor QoS Service as specified in 802.11e now part of 802.11ma.

SuggestedRemedy

Choose a different word than "QoS" since this measurement is unrelated to the QoS functionality

Response Response Status U

ACCEPT.

We will delete the use of QoS-type in this sentence. P6L8 replace "capabilities of a link for QoS type requirements." with "quality of a link". Note this is repeat of CID#8.

Cl 11k-D8.0 SC 5.2.7.10 P20 L7 # 236
 Palm, Stephen Individual

Comment Type TR Comment Status A

Where are "requirements" defined or specified?

SuggestedRemedy

Delete sentence

Response Response Status U

PRINCIPLE.

We will delete the use of requirements in this sentence. P6L8 replace "capabilities of a link for QoS type requirements." with "quality of a link". Note this is repeat of CID#9.

Cl 11k-D8.0 SC 5.2.7.10 P20 L5 # 237
 Palm, Stephen Individual

Comment Type TR Comment Status A

"is like an" is colloquial

SuggestedRemedy

Reword to specification quality language

Response Response Status U

PRINCIPLE.

P6L6 replace first sentence of paragraph with "The link measurement request/report exchange provides measurements of the RF characteristics of a STA to STA link."

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: Comment ID

Comment ID # 237

3/18/2008 4:09:06 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D8.0 SC 5.2.7.10 P20 L5 # 238
 Palm, Stephen Individual
 Comment Type TR Comment Status A
 What is an "RF ping"?
 SuggestedRemedy
 Define or delete
 Response Response Status U
 PRINCIPLE.
 See resolution in CID#237.

CI 11k-D8.0 SC 5.2.7.10 P20 L6 # 239
 Palm, Stephen Individual
 Comment Type TR Comment Status A
 A measurement does enable "understaning"... It's just a measurement
 SuggestedRemedy
 Delete sentence
 Response Response Status U
 PRINCIPLE.
 P6L7 replace "enables understanding" with "measurement indicates". Note this is a repeat of CID#11.

CI 11k-D8.0 SC 5.2.7.11 P20 L13 # 240
 Palm, Stephen Individual
 Comment Type TR Comment Status A
 "transmit-side performance metrics" is not clear from the context. Why transmit and not received or unmodified?
 SuggestedRemedy
 Clarify
 Response Response Status U
 PRINCIPLE.
 The Transmit Stream Measurement is performed by the STA transmitting a simplex TS. This STA can measure transmit delays and can count retries, failures and discards, but cannot measure the received frames. No text change is needed here.

CI 11k-D8.0 SC 11.1 P99 L0 # 241
 Palm, Stephen Individual
 Comment Type TR Comment Status A
 There are too many varied procedures here. It is unlikely that implementations will implement all of the procedures. Each of the supported procedures/reports should be seperately indicated and negotiated
 SuggestedRemedy
 Add a capabilities field so that each procedure/report may be seperately indicated and/or negotiated. For negotiation, I envisioning an AP with limited resources (e.g. memory) where the client could pick which few values to have monitored.
 Response Response Status U
 PRINCIPLE.
 See resolution in CID#12.

CI 11k-D9.0 SC 3.168c P3 L17 # 1117
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "A special BSSID value (all 1s) used to represent all BSSIDs" All 1s in what base? ASCII character 1s? Hexidecimal 1s? Binary 1s?
 SuggestedRemedy
 "A special BSSID value (all binary 1s) used to represent all BSSIDs"
 Response Response Status U
 ACCEPT.
 Changed as recommended.

CI 11k-D9.0 SC 5.2.7.2 P5 L26 # 1118
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "information"
 SuggestedRemedy
 "information"
 Response Response Status U
 ACCEPT.

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

Comment ID # 1118

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IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D9.0 SC 7.2.3.1 P10 L27 # 1119
 Chaplin, Clint Individual

Comment Type TR Comment Status A

"1) when Available Admission Capacity Bitmask equals 0 (Available Admission Capacity List contains no entries), and 2) when the BSS Load element is present and the Available Capacity Bitmask equals 256 (Available Admission Capacity List contains only the AC_VO entry)." The two conditions are an "or" type situation, not an "and" type situation.

SuggestedRemedy

Change the "and" to "or": "1) when Available Admission Capacity Bitmask equals 0 (Available Admission Capacity List contains no entries), or 2) when the BSS Load element is present and the Available Capacity Bitmask equals 256 (Available Admission Capacity List contains only the AC_VO entry)."

Response Response Status U

ACCEPT.
 Changed "and" to "or" for the conditions under which a QoS AP does not include BSS Available Admission Capacity IE in the beacon.

Cl 11k-D9.0 SC 7.3.2.22 P39 L35 # 1120
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"Measurement Types 0, 1 and 2 are used for spectrum management and is only included in spectrum management Measurement Report frames" "is" is used for a single case, "are" is used for multiple cases.

SuggestedRemedy

"Measurement Types 0, 1 and 2 are used for spectrum management and are only included in spectrum management Measurement Report frames"

Response Response Status U

ACCEPT.

Cl 11k-D9.0 SC 7.3.2.22 P39 L0 # 1121
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"All other Measurement Types are used for radio measurement and is only included in Radio Measurement Report frames." "is" is used for a single case, "are" is used for multiple cases.

SuggestedRemedy

"All other Measurement Types are used for radio measurement and are only included in Radio Measurement Report frames."

Response Response Status U

ACCEPT.

Cl 11k-D9.0 SC 7.3.2.44a P76 L32 # 1122
 Chaplin, Clint Individual

Comment Type TR Comment Status A

Are four octets enough for all the possible RRM Capabilities? I note that there are only 6 bits unassigned out of 32.

SuggestedRemedy

Perhaps extend the RRM capability bit mask to more octets

Response Response Status U

ACCEPT.
 Redefined the RRM Bitmask as an octet string with a length field prefix. Octet strings can be extended to include future bitmask needs.

Cl 11k-D9.0 SC 7.4.6.7 P85 L7 # 1123
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"Figure 7101fc"

SuggestedRemedy

"Figure 7-101fc"

Response Response Status U

ACCEPT.

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

Comment ID # 1123

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IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D9.0 SC 11.10.3 P128 L4 # 1124
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "therequested" therequested? I don't see any comment that triggered this change, and it's just flat out wrong.
 SuggestedRemedy
 "the requested"
 Response Response Status U
 ACCEPT.

CI 11k-D9.0 SC 11.10.12 P146 L20 # 1125
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "indicated AC (see Figure 112o)" I thought all figure references were changed to x-yyy, where x is the clause number
 SuggestedRemedy
 Correct the reference.
 Response Response Status U
 ACCEPT.
 P120L47: Change "112o" to "7-95o".

CI 11k-D9.0 SC 3.16a P2 L25 # 1176
 Engwer, Darwin Individual
 Comment Type GR Comment Status A
 The added new definition for BSS transition is inconsistent with the well known legacy definition in IEEE Std. 802.11-2007 clause 5.4.2.1.b.
 SuggestedRemedy
 Correct the new definition to align with the existing definition in clause 5.4.2.1.b
 Response Response Status U
 PRINCIPLE.
 P2L22: Replace "another BSS" with "another BSS in the same ESS." Add two new definitions: "ESS Transition: A STA movement from one BSS in one ESS to another BSS in a different ESS.", "service transition: A STA movement from one BSS to another BSS, i.e., either a BSS transition or an ESS transtioin." Replace BSS transition" with "service transition" in all places: P2L36, P6L4, P54L36, P117L1&3, P121L4.

CI 11k-D9.0 SC 3.168b P3 L12 # 1177
 Engwer, Darwin Individual
 Comment Type ER Comment Status A
 incorrect reference to the term BSA
 SuggestedRemedy
 change "within the union of the BSAs of the APs" to "within the union of the APs"
 Response Response Status U
 PRINCIPLE.
 The intent of BSA is that the BSSIDs used are unique in the range of the APs. Nonetheless the text is rewritten to avoid this term. See 07/2669r0 Section 2

CI 11k-D9.0 SC 7.3.2.44b P79 L19 # 1178
 Engwer, Darwin Individual
 Comment Type ER Comment Status A
 If there are no optional sub-elements then why show that field at all?
 SuggestedRemedy
 Remove the optional sub-elements field from the diagram and the corresponding text note.
 Response Response Status U
 PRINCIPLE.
 Refer to 07/2669r3 Section 5.

CI 11k-D9.0 SC 11.1.3 P123 L15 # 1179
 Engwer, Darwin Individual
 Comment Type ER Comment Status A
 "stout-hearted"?
 SuggestedRemedy
 change to "that"?
 Response Response Status U
 PRINCIPLE.
 P99L21: change "stoutheartred" to "the desired", to match wording in the baseline draft.

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: Comment ID

Comment ID # 1179

3/18/2008 4:09:06 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D9.0 SC 11.1.3 P123 L16 # 1180
 Engwer, Darwin Individual
 Comment Type ER Comment Status A
 "primitivist"?

SuggestedRemedy
 change to "primitive"

Response Response Status U
 PRINCIPLE.
 P99L22: change "primitivist" to "primitive with", to match wording in the baseline draft.

CI 11k-D9.0 SC 11.10.11 P143 L10 # 1181
 Engwer, Darwin Individual
 Comment Type ER Comment Status R
 Values of mib objects are typically not detailed in the operational clauses of the standard.

SuggestedRemedy
 Move table 11-11 to the appropriate section of Annex D (or Annex Q as appropriate).

Response Response Status U
 REJECT.
 Since the dot11MeasurementPilotCapability requires a detailed description and the sub-clauses of 11.10.11 refer to the description while describing the Measurement Pilot generation procedure. Having the table in 11.10.11 makes it easier for the reader to understand the settings. In the interest of clarity, this description deviates from the norm.

CI 11k-D9.0 SC Annex D P170 L1 # 1182
 Engwer, Darwin Individual
 Comment Type TR Comment Status A
 Missing mib definition for dot11MeasurementPilotCapability.

SuggestedRemedy
 Add a mib definition for dot11MeasurementPilotCapability.
 Include all the value enumerations from table 11-11 on page 143.
 (alternatively this may instead belong in Annex Q)

Response Response Status U
 PRINCIPLE.
 MIB definitions updated. See 2665/r0. Table 11-11 is left in Clause 11.10 for the sake of clarity.

CI 11k-D9.0 SC 11.10.3 P127 L35 # 1183
 Engwer, Darwin Individual
 Comment Type TR Comment Status R

The added text addresses the issue of measurement activity load on a STA that receives measurement requests, but does not adequately address the point raised in SB01-CID 230 (or LB78-CID-957).
 The volume of measurement requests issued by a transmitting/ requesting station must be duty cycle limited in some way in order to avoid complete domination of the available network air time by measurement requests, especially in environments with hundreds or thousands of colocated STAs.

SuggestedRemedy
 Add some mechanism to allow the duty cycle of measurements to be controlled wrt real data laden traffic.

Response Response Status U
 REJECT.
 The issue is not the % of wireless capacity or STA capacity used by radio measurements, it is to consider each STA's service load, power state and operating conditions. The AP has to consider traffic load and application requirements, regulatory requirements and specific measurement states from every STA in support of wireless network management.
 Guidelines and limits would have to consider regulatory requirements like 4 msec carrier sense and the detection of one microsecond radar pulses in Japan. There are no typical scenarios that describe 802.11 operation in all bands in most circumstances. Off-channel measurements are desirable to gather timely information about which channel to switch BSS operation to, and the noisier the operating environment, the more urgent the need for radio measurements off the serving channel. In any case, the STA can refuse any measurement request. We are unable to support a limit to measurements which precludes 'normal' 802.11 operation in a noisy environment, where collisions cause many retries.

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: Comment ID

Comment ID # 1183

3/18/2008 4:09:06 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D9.0 SC 3.16a P2 L25 # 1184

Engwer, Darwin Individual

Comment Type ER Comment Status A

The added new definition for BSS transition is inconsistent with the well known legacy definition in IEEE Std. 802.11-2007 clause 5.4.2.1.b.

SuggestedRemedy

Correct the new definition to align with the existing definition in clause 5.4.2.1.b

Response Response Status U

PRINCIPLE.
P2L22: Replace "another BSS" with "another BSS in the same ESS." Add two new definitions: "ESS Transition: A STA movement from one BSS in one ESS to another BSS in a different ESS." , "service transition: A STA movement fro

Cl 11k-D10.0 SC 11.10.3 P123 L39 # 2002

Chaplin, Clint Individual

Comment Type TR Comment Status A

"If dot11RRMNonOperatingChannelMaxMeasurementDuration is set to 0, the STA does not support RRM measurements on non-operating channels. On receipt of a measurement request frame requesting a measurement on non-operating channels, the STA shall reject the measurement request by returning a Measurement Report with the Incapable bit set in the Measurement Report Mode field"

SuggestedRemedy

"If dot11RRMNonOperatingChannelMaxMeasurementDuration is set to 0, the STA does not support RRM measurements on non-operating channels; on receipt of a measurement request frame requesting a measurement on non-operating channels, the STA shall reject the measurement request by returning a Measurement Report with the Incapable bit set in the Measurement Report Mode field"

Response Response Status U

PRINCIPLE.
Change sentence structure as recommended.

Cl 11k-D10.0 SC 11.10.5 P126 L18 # 2003

Chaplin, Clint Individual

Comment Type TR Comment Status A

"A STA shall accept a Measurement Request with the parallel bit field enabled if and only if dot11RRMParallelMeasurementEnabled is true. Otherwise, the STA shall reject the Measurement Request by returning a Measurement Report with the Incapable bit set in the Measurement Report Mode field." Using a period between these two phrases decouples the two conditions, which is not what is meant here. Use a comma.

SuggestedRemedy

"A STA shall accept a Measurement Request with the parallel bit field enabled if and only if dot11RRMParallelMeasurementEnabled is true, otherwise, the STA shall reject the Measurement Request by returning a Measurement Report with the Incapable bit set in the Measurement Report Mode field." Using a period between these two phrases decouples the two conditions, which is not what is meant here. Use a comma.

Response Response Status U

PRINCIPLE.
Use a semi-colon instead of a comma.

Cl 11k-D10.0 SC 11.10.6 P127 L49 # 2004

Chaplin, Clint Individual

Comment Type TR Comment Status A

There are two separate paragraphs (p127 L49 and p128 L15) that specify what to do under certain conditions. Unfortunately, the conditions are identical for both paragraphs, but the specified result is different.

SuggestedRemedy

Combine the two paragraphs into one, and harmonize the result.

Response Response Status U

PRINCIPLE.
The second paragraph is not correct. Delete paragraph at P113L20.

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: Comment ID

Comment ID # 2004

3/18/2008 4:09:07 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D10.0 SC 11.10.15 P144 L5 # 2005
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "domaine"
 SuggestedRemedy
 "domain"
 Response Response Status U
 ACCEPT.

CI 11k-D10.0 SC 7.1.1 P8 L15 # 2040
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) bad cross reference
 SuggestedRemedy
 change 7.4.7a.2 to 7.4.7.2
 Response Response Status U
 ACCEPT.

CI 11k-D10.0 SC 7 P7 L50 # 2038
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) formatting of the top-level heading "Frame formats" is lost
 SuggestedRemedy
 fix formatting of "7 Frame formats"
 Response Response Status U
 ACCEPT.
 P7L35: Restore H1 formatting.

CI 11k-D10.0 SC 7.1.1 P8 L10 # 2041
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) This paragraph is introducing a new concept to 802.11, called "extensible parsing". This is using Dijkstra's canon to swat a fly. The frames listed already are defined in terms of information elements (with only two exceptions), and the definition of information elements is already extensible. The frames already include sub-elements, and an extensible mechanism to add new sub-elements to the frame definition. Since the "known length" can be infinite, "all octets in the frame beyond the known length" just don't exist.
 SuggestedRemedy
 Delete the change in 7.1.1. Change the definition of the Link Measurement Request frame (7.4.6.3) and Link Measurement Report Frame (7.4.6.4) to include optional sub-elements, matching the definition of all the other RRM frames.
 Response Response Status U
 PRINCIPLE.
 See resolution detail for comment# 14

CI 11k-D10.0 SC 7.1.1 P8 L14 # 2039
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) the dash list in this clause has double dashes
 SuggestedRemedy
 remove the extra dashes from the list
 Response Response Status U
 ACCEPT.
 P7L35: Correct formatting.

CI 11k-D10.0 SC 7.3.1.11 P15 L10 # 2042
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) bad cross reference
 SuggestedRemedy
 change 7.4.7a to 7.4.7
 Response Response Status U
 ACCEPT.

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

Comment ID # 2042

3/18/2008 4:09:07 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D10.0 SC 7.3.2 P17 L42 # 2043
 Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Since this is the first amendment to 802.11 that defines sub-elements, it is not necessary to condition the statements in the first dash list on "dot11RadioMeasurementEnabled is true". However, the first dash list item does need to be conditional.

SuggestedRemedy

Change the second and third dash list items to be normal statements (not part of a dash list), and make them into a separate paragraph in 7.3.2.

Response Response Status U

PRINCIPLE.
 See resolution detail for comment# 14

CI 11k-D10.0 SC 7.3.2 P17 L42 # 2044
 Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Extensible parsing just doesn't make sense for information elements that already end with a variable number of optional sub-elements.

SuggestedRemedy

delete Measurement Request elements and Measurement Report elements from the dash list of elements subject to extensible parsing.

Response Response Status U

PRINCIPLE.
 See resolution detail for comment# 14

CI 11k-D10.0 SC 7.3.2 P18 L9 # 2045
 Chaplin, Clint Individual

Comment Type ER Comment Status A

(wtm) the dash list entry for Measurement Report elements is broken across two list entries

SuggestedRemedy

move text from the third dash list item to the end of the second item.

Response Response Status U

ACCEPT.

CI 11k-D10.0 SC 7.3.2 P18 L10 # 2046
 Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Extensibility of the AP Channel Report element can't be determined. Since the length of the Channel List depends on Regulatory Class (which can be extended), it is not possible for a STA receiving an AP Channel Report to perform the extensible parsing required.

SuggestedRemedy

Remove AP Channel Report from list of information elements subject to extensible parsing.

Response Response Status U

PRINCIPLE.
 See resolution detail for comment# 14

CI 11k-D10.0 SC 7.3.2 P18 L10 # 2047
 Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Neighbor Report element already ends with a variable number of optional sub-elements. Therefore extensible parsing doesn't apply to it.

SuggestedRemedy

Remove Neighbor Report from list of information elements subject to extensible parsing

Response Response Status U

PRINCIPLE.
 See resolution detail for comment# 14

CI 11k-D10.0 SC 7.3.2 P18 L10 # 2048
 Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Measurement Pilot Transmission Information element already ends with a variable number of optional sub-elements. Therefore extensible parsing doesn't apply to it.

SuggestedRemedy

Remove Measurement Pilot Transmission Information from list of information elements subject to extensible parsing

Response Response Status U

PRINCIPLE.
 See resolution detail for comment# 14

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: Comment ID

Comment ID # 2048

3/18/2008 4:09:07 PM

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Cl 11k-D10.0 SC 7.3.2 P18 L10 # 2049

Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Multiple BSSID element already ends with a variable number of optiona sub-elements. Therefore extensible parsing doesn't apply to it.

SuggestedRemedy

Remove Multiple BSSID element from list of information elements subject to extensible parsing

Response Response Status U

PRINCIPLE. See resolution detail for comment# 14

Cl 11k-D10.0 SC 7.3.2.22.8 P57 L1 # 2050

Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Addition of optional sub-elements to the STA Statistics Report is unparseable. The length of the Statistics Group Data is variable, and depends on the value of the Group Identity. Whenever a new Group Identity is defined, the length of the Statistics Group Data will not be known to the receiving STA.

SuggestedRemedy

Insert a one-octet length in the IE, between Group Identity and Statistics Group Data, that contains the length of the Statistics Group Data.

Response Response Status U

PRINCIPLE. Figure 7-68h is misleading in labelling the length of the Statistics Group Date field as variable. In fact the length of this field is always fixed to the length defined in Table 7-31f for each Group Identity. Modify table 7-31f to add new 2nd column listing Element Length.

Cl 11k-D10.0 SC 7.3.2.22.8 P49 L8 # 2051

Chaplin, Clint Individual

Comment Type ER Comment Status A

(wtm) Some of these statistics are defined in Annex Q, not in Annex D

SuggestedRemedy

change cross references (2) to include Annex Q for the definition of these statistics

Response Response Status U

PRINCIPLE. P45L23&25: CHANGE "Annex D" to "Annex D or Annex Q".

Cl 11k-D10.0 SC 7.3.2.44a P76 L32 # 2052

Chaplin, Clint Individual

Comment Type ER Comment Status A

(wtm) 7.3.2.44a is not an appropriate subclause number.

SuggestedRemedy

follow the IEEE Style Guide

Response Response Status U

PRINCIPLE. Change "7.3.2.44a" to "7.3.2.45" in ALL PLACES.

Cl 11k-D10.0 SC 7.3.2.44a P76 L47 # 2053

Chaplin, Clint Individual

Comment Type TR Comment Status A

(wtm) Length field in octets should be set to 5, not 7. The previous draft was correct is stating that it is set to 4, with the RRM Capability bitmask being 32 bits. Extending the Capability bitmask to 5 octets should only increase the length of the information element by one, not by 3.

SuggestedRemedy

change "is set to 7" to "is set to 5"

Response Response Status U

PRINCIPLE. Change P67L11 to "The Length field in octets is set to 5."

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: Comment ID

Comment ID # 2053

3/18/2008 4:09:07 PM

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Cl 11k-D10.0 SC 7.3.2.44b P81 L38 # 2054
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) 7.3.2.44b is not an appropriate subclause number
 SuggestedRemedy
 follow the IEEE Style Guide
 Response Response Status U
 PRINCIPLE.
 Change "7.3.2.44b" to "7.3.2.46" in ALL PLACES.

Cl 11k-D10.0 SC 11.10.8.8 P137 L18 # 2057
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) QOS should be QoS
 SuggestedRemedy
 change to QoS
 Response Response Status U
 PRINCIPLE.
 Change "QOS" to "QoS" in ALL PLACES.

Cl 11k-D10.0 SC 7.4.6.3 P85 L1 # 2055
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) Link Measurement Request frame should include the Optional Sub-elements, as do all of the other RRM frames
 SuggestedRemedy
 add Optional Sub-elements at the end of the Link Measurement Request frame
 Response Response Status U
 PRINCIPLE.
 Add variable length field for Optional Subelements to Figure 7-101c. Add text to end of clause consistent with other instances in the draft.

Cl 11k-D10.0 SC 11.10.11 P139 L19 # 2058
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) the dash list in this clause has double dashes
 SuggestedRemedy
 remove the extra dashes from the list
 Response Response Status U
 ACCEPT.

Cl 11k-D10.0 SC 7.4.6.4 P85 L30 # 2056
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) Link Measurement Report frame should include the Optional Sub-elements, as do all of the other RRM frames
 SuggestedRemedy
 add Optional Sub-elements at the end of the Link Measurement Report frame
 Response Response Status U
 PRINCIPLE.
 Add variable length field for Optional Subelements to Figure 7-101d. Add text to end of clause consistent with other instances in the draft.

Cl 11k-D10.0 SC 11.10.12 P140 L1 # 2059
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) The line weights on the borders of this table are inconsistent
 SuggestedRemedy
 use same line weight for entire table
 Response Response Status U
 PRINCIPLE.
 Editor will attempt to change. Anomaly in Frame may not permit such a change. This comment is deemed editorial and delegated to the document editor for consideration in developing future drafts. Please note that the IEEE st

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: Comment ID

Comment ID # 2059

3/18/2008 4:09:07 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D10.0 SC 11.10.12.1 P142 L1 # 2060
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) something is wrong with placement of this figure
 SuggestedRemedy
 place figure inside normal boundary of page
 Response Response Status U
 PRINCIPLE.
 The PDF of the draft does not seem to have a problem. The perceived problem may be limited to the redlined document. This comment is deemed editorial and delegated to the document editor for consideration in developing futur

Cl 11k-D10.0 SC 15.2.7 P148 L1 # 2063
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) something is wrong with placement of this figure
 SuggestedRemedy
 place figure inside normal boundary of page
 Response Response Status U
 PRINCIPLE.
 The PDF of the draft does not seem to have a problem. The perceived problem may be limited to the redlined document. This comment is deemed editorial and delegated to the document editor for consideration in developing futur

Cl 11k-D10.0 SC 12.3.5.9.1 P145 L26 # 2061
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) Editor's instructions should be italic
 SuggestedRemedy
 make italic
 Response Response Status U
 ACCEPT.

Cl 11k-D10.0 SC Annex Q P229 L40 # 2064
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) extraneous information in the MIB "SEQUENCE" entry for Dot11RRMNeighborReportEntry"
 SuggestedRemedy
 remove "(SIZE (6))" from dot11RRMNeighborReportNeighborTSKInfo, and remove "(0..65535)" from dot11RRMNeighborReportBeaconInterval
 Response Response Status U
 ACCEPT.

Cl 11k-D10.0 SC 12.3.5.11.2 P146 L29 # 2062
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) Editor's instructions should be italic
 SuggestedRemedy
 make italic
 Response Response Status U
 ACCEPT.

Cl 11k-D11.0 SC Annex D P156 L29 # 3004
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "This attribute, when TRUE" "TRUE" should be "true"
 SuggestedRemedy
 Change "TRUE" to "true"
 Response Response Status U
 PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

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: Comment ID

Comment ID # 3004

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CI 11k-D11.0 SC Annex D P156 L36 # 3005
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "This attribute, when TRUE" "TRUE" should be "true"
 SuggestedRemedy
 Change "TRUE" to "true"
 Response Response Status U
 PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

CI 11k-D11.0 SC Annex D P156 L30 # 3007
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "The default value of this attribute is FALSE" "FALSE" should be "false".
 SuggestedRemedy
 Change "FALSE" to "false"
 Response Response Status U
 PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

CI 11k-D11.0 SC Annex D P156 L29 # 3006
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "defined Radio Measurement procedures if this attribute is TRUE"
 SuggestedRemedy
 Change "TRUE" to "true"
 Response Response Status U
 PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

CI 11k-D11.0 SC Annex D P156 L38 # 3008
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 "The default value of this attribute is FALSE" "FALSE" should be "false".
 SuggestedRemedy
 Change "FALSE" to "false"
 Response Response Status U
 PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

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: Comment ID

Comment ID # 3008

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Cl 11k-D11.0 SC Annex D P0 L0 # 3009
 Chaplin, Clint Individual

Comment Type TR Comment Status A

"FALSE indicates the station has no" occurs in multiple locations. However, in order to be consistent with the rest of the text, "FALSE" should be "False"

SuggestedRemedy

Change "FALSE" to "False" in all similar places in the text

Response Response Status U

PRINCIPLE.
 Commenter is correct to point out the inconsistency in the TGk draft. The baseline standard is consistent in using upper case for TRUE and FALSE for truth values in the MIB. The baseline standard uses lower case to describe truth values in all other sections of the standard. The editor will align the TGk draft with the baseline standard in this regard.

Cl 11k-D11.0 SC 7.3.2.21.6 P24 L49 # 3010
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"The SSID sub-element indicates the ESS(s), or IBSS(s) for which a beacon report is requested" Comma is incorrect.

SuggestedRemedy

"The SSID sub-element indicates the ESS(s) or IBSS(s) for which a beacon report is requested"

Response Response Status U

ACCEPT.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L24 # 3011
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"element"

SuggestedRemedy

"element"

Response Response Status U

ACCEPT.

Editor to do in all places.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L28 # 3012
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"element"

SuggestedRemedy

"element"

Response Response Status U

ACCEPT.

Editor to do in all places.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L32 # 3013
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"element"

SuggestedRemedy

"element"

Response Response Status U

ACCEPT.

Editor to do in all places.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L35 # 3014
 Chaplin, Clint Individual

Comment Type ER Comment Status A

"element"

SuggestedRemedy

"element"

Response Response Status U

ACCEPT.

Editor to do in all places.

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: Comment ID

Comment ID # 3014

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Cl 11k-D11.0 SC 10.3.2.2.2 P82 L39 # 3015
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "element"
 SuggestedRemedy
 "element"
 Response Response Status U
 ACCEPT.
 Editor to do in all places.

Cl 11k-D11.0 SC 10.3.2.2.2 P83 L4 # 3018
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "element"
 SuggestedRemedy
 "element"
 Response Response Status U
 ACCEPT.
 Editor to do in all places.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L43 # 3016
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "element"
 SuggestedRemedy
 "element"
 Response Response Status U
 ACCEPT.
 Editor to do in all places.

Cl 11k-D11.0 SC 11.10.8.1 P118 L47 # 3019
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "Infomration"
 SuggestedRemedy
 "Information"
 Response Response Status U
 ACCEPT.

Cl 11k-D11.0 SC 10.3.2.2.2 P82 L46 # 3017
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 "element"
 SuggestedRemedy
 "element"
 Response Response Status U
 ACCEPT.
 Editor to do in all places.

Cl 11k-D11.0 SC 7.3.2.22.9 P62 L26 # 3020
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) bad cross reference
 SuggestedRemedy
 change 7-31ba to 7-31h
 Response Response Status U
 ACCEPT.

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

Comment ID # 3020

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Cl 11k-D11.0 SC 7.3.2.37 P68 L23 # 3021
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 (wtm) incorrect style of cross reference
 SuggestedRemedy
 change "see clause 7.3.1.4" to "see 7.3.1.4"
 Response Response Status U
 ACCEPT.

Cl 11k-D11.0 SC 7.3.2.37 P68 L43 # 3022
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) The text states "Country, Regulatory Class and Channel Number" together are needed. But there is no mechanism here for the receiver of the Neighbor Report to determine the Country of the entry
 SuggestedRemedy
 add a bit to the BSSID information that indicates the Country code for the indicated BSSID is identical to the Country code of the AP sending the report.
 Response Response Status U
 PRINCIPLE.
 P61L8: Insert condensed country string subelement into Table 7-43b. Copy text from P78L34 to P61L44 to describe the condensed country string subelement. Also add new sentence "The condensed country string subelement is present only if the country of the neighbor AP differs from the country of the AP which sent this neighbor report."

Cl 11k-D11.0 SC 7.3.2.37 P68 L44 # 3023
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) a neighbors report is not a "measurement request"
 SuggestedRemedy
 change "measurement request" to "entry"
 Response Response Status U
 PRINCIPLE.
 P60L26: Replace "which the measurement request applies" with "the AP represented by the BSSID in this neighbor list entry".

Cl 11k-D11.0 SC 9.14.1 P89 L22 # 3024
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) Backward compatibility problem was created by this text, as existing Information Elements defined in 7.3.2.23 through 7.3.2.35 are now subject to the rules for extensible parsing. This is a problem with the Quiet IE (7.3.2.23), BSS Load IE (7.3.2.28), EDCA Parameter Set IE (7.3.2.29), TSPEC IE (7.3.2.30), TS Delay IE (7.3.2.32), TCLAS Processing IE (7.3.2.33), Schedule IE (7.3.2.34), and the QoS Capability IE (7.3.2.35).
 SuggestedRemedy
 Include another dash list item at line 22 "Elements in 7.3.2.23 to 7.3.2.35 inclusive."
 Response Response Status U
 PRINCIPLE.
 The parsing rules section has been rewritten to address this comment and other comment CID #2. See document 08/0113r1 for revised text.

Cl 11k-D11.0 SC 10.3.6.2.2 P97 L15 # 3025
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.
 SuggestedRemedy
 Change description to indicate that the RRMEnabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.
 Response Response Status U
 PRINCIPLE.
 P86L9: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

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: Comment ID

Comment ID # 3025

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CI 11k-D11.0 SC 10.3.6.3.2 P99 L34 # 3026
 Chaplin, Clint Individual

Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.

SuggestedRemedy
 Change description to indicate that the RRMEEnabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.

Response Response Status U
 PRINCIPLE.
 P87L40: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

CI 11k-D11.0 SC 10.3.6.4.2 P101 L40 # 3027
 Chaplin, Clint Individual

Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.

SuggestedRemedy
 Change description to indicate that the RRMEEnabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.

Response Response Status U
 PRINCIPLE.
 P89L14: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

CI 11k-D11.0 SC 10.3.7.2.2 P104 L25 # 3028
 Chaplin, Clint Individual

Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.

SuggestedRemedy
 Change description to indicate that the RRMEEnabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.

Response Response Status U
 PRINCIPLE.
 P91L2: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

CI 11k-D11.0 SC 10.3.7.3.2 P107 L2 # 3029
 Chaplin, Clint Individual

Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.

SuggestedRemedy
 Change description to indicate that the RRMEEnabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.

Response Response Status U
 PRINCIPLE.
 P92L34: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

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: Comment ID

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CI 11k-D11.0 SC 10.3.7.4.2 P109 L23 # 3030
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) Addition of a parameter to an existing MLME interface creates a backward compatibility problem. The new parameter should only be present if the RRM extensions are supported.

SuggestedRemedy
 Change description to indicate that the RRMEabledCapabilities parameter is only present when the MIB attribute dot11RadioMeasurementEnabled is true.
 Response Response Status U
 PRINCIPLE.
 P94L4: In the description column, insert "The element may be present only when the MIB attribute dot11RadioMeasurementEnabled is true."

CI 11k-D11.0 SC Q P194 L20 # 3031
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) dot11RRMRqstBssid is defined as a MacAddress, but the DEFVAL is only 32 bits

SuggestedRemedy
 Add four more F's to the DEFVAL making the default value 48 bits

Response Response Status U
 ACCEPT.

CI 11k-D11.0 SC Q P204 L20 # 3032
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) missing opening double quote in description

SuggestedRemedy
 insert a double quote at beginning of description

Response Response Status U
 ACCEPT.

CI 11k-D11.0 SC Q P208 L44 # 3033
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) missing opening double quote in description

SuggestedRemedy
 insert a double quote at beginning of description

Response Response Status U
 ACCEPT.

CI 11k-D11.0 SC Q P223 L39 # 3034
 Chaplin, Clint Individual
 Comment Type TR Comment Status A
 (wtm) extraneous double quote in middle of reference string

SuggestedRemedy
 remove the extraneous double quote

Response Response Status U
 ACCEPT.

CI 11k-D12.0 SC 7.3.3 P16 L10 # 4001
 Chaplin, Clint Individual
 Comment Type ER Comment Status A
 This sub-section should not be numbered 7.3.3; it needs to come before all the 7.3.2.xxx information element descriptions. And, unfortunately, you cannot make a single sub-section.

SuggestedRemedy
 Renumber as 7.3.2.1, or something like that.

Response Response Status U
 REJECT.
 The referenced text is correct, but improperly placed in the TGk draft (D12.0). Prior to publication the publication editor shall move text at P16L9-L29 and insert this text at P73L25. Page and line references are in the clean draft (D12.0). Please note that the IEEE standards are edited professionally before publication.
 UPDATED RESPONSE: PRINCIPLE.
 Malplaced text at P16L9-L29 has been moved to P73L25 in Draft13.0.

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: Comment ID

Comment ID # 4001 3/18/2008 4:09:07 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D12.0 SC 0 P0 L0 # 4002
 Chaplin, Clint Individual

Comment Type TR Comment Status R

"The Sub-element ID field values for the defined optional sub-elements are shown in Table 7-29n. A Yes in the Extensible column of a sub-element listed in Table 7-29n indicates that the Length of the sub-element might be extended in future revisions or amendments of this standard. When the Extensible column of an element is set to Sub-elements, then the sub-element might be extended in future revisions or amendments of this standard by defining additional sub-elements within the sub-element. See 9.14.2." "Might be" or "can be"? Is this intended to be a warning, or a restriction on how the element might be extended? And why is a distinction being made between extending through simple data addition and through sub-elements? As far as the parser is concerned, it doesn't matter. Also, "When the Extensible column of an element is set to Sub-elements, then the sub-element might be extended in future revisions or amendments of this standard by defining additional sub-elements within the sub-element" will also extend the Length of the sub-element.

SuggestedRemedy

"The Sub-element ID field values for the defined optional sub-elements are shown in Table 7-29n. When the Extensible column of a sub-element is set to a value, then the sub-element might be extended in future revisions or amendments of this standard. If this value is "Yes", then this extension will be done by adding data onto the end of the sub-element; if this value is "Sub-elements", then the extension will be done by defining additional sub-elements within the sub-element. See 9.14.2."

Response Response Status U

REJECT.
 We can see no technical difference in the proposed change to existing text. The simplified language and changing a period to a semi-colon we see as editorial. Consideration to this editorial item will be given by the editor prior to publication.

CI 11k-D12.0 SC 0 P162 L12 # 4003
 Chaplin, Clint Individual

Comment Type ER Comment Status R

"Max Measurement Duration in TUs = 2<superscript>
 (dot11RRMMaxMeasurementDuration - 4)</superscript> * BeaconInterval"
 Looks like some sort of formatting directives became text

SuggestedRemedy

delete the extraneous text, and format correctly

Response Response Status U

REJECT.
 The format in the draft text is defined in SNMP v2 as the correct way to indicate superscripting of characters.

CI 11k-D12.0 SC 0 P162 L21 # 4004
 Chaplin, Clint Individual

Comment Type ER Comment Status R

"Non-OpMax Measurement Duration in TUs = 2<superscript>
 (dot11RRMNonOperatingChannelMaxMeasurementDuration - 4) </superscript> *
 BeaconInterval"
 Looks like some sort of formatting directives became text

SuggestedRemedy

delete the extraneous text, and format correctly

Response Response Status U

REJECT.
 The format in the draft text is defined in SNMP v2 as the correct way to indicate superscripting of characters.

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: Comment ID

Comment ID # 4004

3/18/2008 4:09:07 PM

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

CI 11k-D12.0 SC 0 P181 L47 # 4005

Chaplin, Clint Individual

Comment Type TR Comment Status A

"FALSE::= { dot11RRMRequestEntry 36 }" This is the only place where the attribute is explicitly set to FALSE. No other place is this done.

SuggestedRemedy

"::= { dot11RRMRequestEntry 36 }" to delete the FALSE

Response Response Status U

REJECT.
We deem this comment to be editorial. This editorial change and any other editorial MIB changes required for error free compilation will be made by the editor prior to publication.
UPDATED RESPONSE: PRINCIPLE.
Compilation and corrections are present in Draft13.0.

CI 11k-D12.0 SC 0 P181 L47 # 5001

Chaplin, Clint Individual

Comment Type TR Comment Status A

This is in reference to my comment from the previous recirculation:
""FALSE::= { dot11RRMRequestEntry 36 }" This is the only place where the attribute is explicitly set to FALSE. No other place is this done."
with the suggested resolution of:

"::= { dot11RRMRequestEntry 36 }" to delete the FALSE
First of all, calling the comment "editorial" (as you recategorized it) or "technical" (my original categorization) doesn't change the way you are allowed to address the comment. Secondly, the IEEE may employ professional editors to clean up drafts before they are published, but those editors are not experts in the subject matter contained in the draft, and therefor cannot make the correct technical decision to fix a subject matter error: only the people in the ballot resolution committee are the subject experts. Asking a non-subject expert to fix a subject error in a draft is asking them to do a job they cannot do (in fact, perhaps one way to make the determination if a problem is technical or editorial is if a non-subject expert could correctly fix the problem or not). In this case, I maintain that a non-subject expert could not successfully correct this error, and thus it is technical, and should be fixed by the comment resolution committee in the draft during balloting.

SuggestedRemedy

Change "FALSE::= { dot11RRMRequestEntry 36 }" to "::= { dot11RRMRequestEntry 36 }"

Response Response Status U

REJECT.
This comment is not a new comment within the scope of this recirculation. This comment and the approved resolution will be forwarded to the SA editor for consideration prior to publication. The proposed change is entirely and exactly the work to be performed by the editor.
UPDATED RESPONSE: PRINCIPLE.
Compilation and corrections are present in Draft13.0.

IEEE P802.11k D13.0 Radio Resource Measurement - Sponsor Ballot Disapprove Voter Comments

Cl 11k-D12.0 SC 7.3.3 P16 L 10 # 5002

Chaplin, Clint Individual

Comment Type TR Comment Status A

This is in reference to my comment from the previous recirculation:
 This sub-section should not be numbered 7.3.3; it needs to come before all the 7.3.2.xxx information element descriptions. And, unfortunately, you cannot make a single sub-section with my proposed resolution:
 Renummer as 7.3.2.1, or something like that.
 And your rejection:
 REJECT. The referenced text is correct, but improperly placed in the TGk draft (D12.0). Prior to publication the publication editor shall move text at P16L9-L29 and insert this text at P73L25. Page and line references are in the clean draft (D12.0). Please note that the IEEE standards are edited professionally before publication.
 Your change that you suggest you will do strikes me as rather technical in nature, not editorial; moving text from one point in the draft to another point 57 pages later cannot be called editorial, and is probably a "substantive" change, and therefor needs to be balloted.

SuggestedRemedy

Move text currently located at P16L9-L29 and insert this text at P73L25.

Response Response Status U

REJECT.
 This comment is not a new comment within the scope of this recirculation. This comment and the approved resolution will be forwarded to the SA editor for consideration prior to publication. The proposed change is entirely and exactly the work to be performed by the editor.
 UPDATED RESPONSE: PRINCIPLE.
 Malplaced text at P16L9-L29 has been moved to P73L25 in Draft13.0.