IEEE P802.11
Wireless LANs

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| SB1 Comment Resolution Part4 |
| Date: 2016-03-16 |
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Abstract

This submission proposes resolutions of comments received from TGah 1st Sponsor Recirculation Ballot (TGah Draft 6.0).

* CIDs: 9059, 9060, 9063, 9061, 9062 (5 CID)

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
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| 9059 | 0.00 | 0 | The reason given for rejecting i-442 asserts that the BRC has no idea what is MAC functionality and what is MAC service interface. This reinforces the commenters assertion that there is inappropriate text in the clause and that the change is inconsistent with the base standard. | Remove all changes to the 802.11 MAC contained in this amendment. Delete clauses 5, 6, 9, 10, 11, and 12 from this draft amendment. | Revised –The following BRC’s response to comment i-442 was incorrect “The BRC can not identify which operation is considered as the MAC functionality.”The BRC has agreed to move portions of the text to the MAC subclause, and kept the MLME portions in clause 11, inline with the general comment. TGah editor to make the changes shown in 11-16/0453r2 under all headings for CID 9059 |

***TGah Editor modifies sub-clause 11.51 as the following (9059):***

**11.51 Support for energy limited STAs**

An energy limited (EL) STA is an S1G STA with dot11S1GELOperationActivated equal to true that is powered by a small energy supply and is limited in terms of its ability to transmit or receive in certain intervals of time. An EL STA may indicate these limitations to an S1G STA that intends to communicate with it by using the signalling described in this subclause. The procedure described below increases the likelihood that frame exchanges between these two STAs are performed successfully.

An EL STA receiving MLME-ACTIVITYSPECIFICATION.request primitive shall include an EL Operation element in Probe Request, DLS Request, DLS Response, TDLS Setup Request, TDLS Setup Response, and (Re) Association Request frames and may send EL Operation frames.

An S1G AP that sets the STA Type Support in the S1G Capabilities element to 2 (i.e. supports only non-sensor STAs), as described in 11.50.7 (S1G BSS type and STA type), may refuse (re) association or can disassociate an EL STA. The S1G AP that refuses (re) association or disassociates an EL STA shall set the Status Code field in the (Re) Association Response frame or in the Disassociation frame to ENERGY\_LIMITED\_OPERATION\_NOT\_SUPPORTED.

Upon receipt of an MLME-ACTIVITYSPECIFICATION.indication primitive, an S1G STA shall maintain two timers, ELMaxAwakeTimer and ELRecoveryTimer according to the procedures defined in 10.59 (Energy limited STAs operation).

***TGah Editor moves all contents (including figure) after 3rd paragraph of 11.51 to a new sub-clause in clause 10 as the below.***

**10.59 Energy limited STAs operation**

An S1G STA keeps two timers, ELMaxAwakeTimer and ELRecoveryTimer, for each EL STA and these timers are initialized upon successful reception of an EL Operation element from the EL STA:

—The ELMaxAwakeTimer is set to 0.

—The ELRecoveryTimer is set to the value of the Recovery Time Duration field of the EL Operation element.

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When the S1G STA cannot complete frames exchanges within ELMaxAwakeTimer, a new back-off procedure is invoked after stopping the current transmission and once the ELRecoveryTimer has expired.

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| 9060 | 0.00 | 0 | The reason given for rejecting i-440 asserts that the BRC has no idea what is MAC functionality and what is MAC service interface. This reinforces the commenters assertion that there is inappropriate text in the clause and that the change is inconsistent with the base standard. | Remove all changes to the 802.11 MAC contained in this amendment. Delete clauses 5, 6, 9, 10, 11, and 12 from this draft amendment. | Revised –The following BRC’s response to comment i-442 was incorrect “The BRC can not identify which operation is considered as the MAC functionality.”The BRC has agreed to move the text to the MAC subclause, inline with the general comment.TGah editor: Move subclause 11.50.7 (S1G BSS type and STA type) and its content to a new subclause 10.59a (S1G BSS type and STA type). |

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| 9063 | 0.00 | 0 | The reason given for rejecting i-432 asserts that the BRC has no idea what is MAC functionality and what is MAC service interface. This reinforces the commenters assertion that there is inappropriate text in the clause and that the change is inconsistent with the base standard. | Remove all changes to the 802.11 MAC contained in this amendment. Delete clauses 5, 6, 9, 10, 11, and 12 from this draft amendment. | Revised –The following BRC’s response to comment i-432 was incorrect “The BRC can not identify which operation is considered as the MAC functionality.”The BRC has agreed to move the text to the MAC subclause, inline with the general comment.TGah Editor: Move "11.48 (Dynamic AID assignment operation)" to a location between 10.20 and 10.21 (so this subclause becomes the new 10.21). Also rename it to "S1G dynamic AID assignment". |

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| 9061 | 0.00 | 0 | The reason given for rejecting i-437 asserts that the BRC has no idea what is MAC functionality and what is MAC service interface. This reinforces the commenters assertion that there is inappropriate text in the clause and that the change is inconsistent with the base standard. | Remove all changes to the 802.11 MAC contained in this amendment. Delete clauses 5, 6, 9, 10, 11, and 12 from this draft amendment. | Revised –The following BRC’s response to comment i-432 was incorrect “The BRC can not identify which operation is considered as the MAC functionality.”The BRC has agreed to move the text to the MAC subclause, inline with the general comment.TGah Editor: Move the full subclause "11.50 S1G BSS operation", except for 11.50.7, to a new subclause 10.42.” |

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| 9062 | 0.00 | 0 | The reason given for rejecting i-436 asserts that the BRC has no idea what is MAC functionality and what is MAC service interface. This reinforces the commenters assertion that there is inappropriate text in the clause and that the change is inconsistent with the base standard. | Remove all changes to the 802.11 MAC contained in this amendment. Delete clauses 5, 6, 9, 10, 11, and 12 from this draft amendment. | Revised –The following BRC’s response to comment i-432 was incorrect “The BRC can not identify which operation is considered as the MAC functionality.”The BRC has agreed to move the text to the MAC subclause, inline with the general comment.TGah Editor: Perform changes as instructed by CID 9061.TGah Editor: Move 11.49 within 10.42 (as the new second subclause of it). |