IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB 203 Comment Resolution for 8.4.2.170n-f-g | | | | |
| Date: 2014-08-01 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |

Abstract

This submission proposes resolutions for comments in clause 8.4.2.170n-f-g of TGah Draft 2.0 with the following CIDs (TOT 5 CIDs):

* 3725
* 3261
* 3024, 3646, 3730

Revisions:

* Rev 0: Initial version of the document

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** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3725 | Liwen Chu | 135.19 | 8.4.2.170f | Change "Compatibility Information" to "Capability Information" | As proposed. | Rejected –  During the previous LB200 it was pointed out that the values of the Capability information field do not change during the STA’s operation. The Compatibility Informaiton contains the TSF Rollover Flag subfield whose value changes hence it is not a capability information. |

* **S1G Beacon Compatibility element**

***TGah Editor: Change this subclause as follows (#3261):***

The S1G Beacon Compatibility element carries the information that is shown in Figure 8-401x (S1G Beacon Compatibility element format).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Element  ID | Length | Compatibility  Information | Beacon  Interval | TSF  Completion |
| Octets | 1 | 1 | 2 | 2 | 4 |
| * **S1G Beacon Compatibility element format** | | | | | |

The Element ID and Length fields are defined in 8.4.2.1 (General).

The Compatibility Information field contains all the subfields defined in subclause 8.4.1.4 (Capability Information field) except for the subfield located in B13 of the field which is defined as the TSF Rollover Flag. An S1G AP sets the TSF Rollover Flag subfield to the value of the most significant bit of the 4 least significant octets of the TSF timer at the time the TSF timer is read for the purpose of creating the element carrying the Compatibility Information field.

The Beacon Interval field in the element is defined in 8.4.1.3 (Beacon Interval field).

The TSF Completion field carries the 4 most significant octets of the TSF timer at the AP at the time of generation of the element carrying the TSF Completion field.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3261 | Alfred Asterjadhi | 135.58 | 8.4.2.170g | This sentence should describe the content of the field not the element. Actually a sentence before the figure could be added to describe the element content. | Insert a sentence at the beginning of this subclause: " The Short Beacon Interval element carries the short beacon interval." and replace the sentence at the end of this subclause with: "The Short Beacon Interval field represents the number of time units (TUs) between target short beacon transmission times (TSBTTs)." Also check if any other subclause describing an element starts with a figure in which case add a short description of the element before the figure. | Revised –  Agree in principle with the comment.  Proposed resolution accounts for the suggested change.  TGah editor to make the changes shown in 11-14/1063r0 under all headings that include CID 3261. |

**Discussion:** *None.*

* **Short Beacon Interval element**

***TGah Editor: Change this subclause as follows (#3261):***

The Short Beacon Interval element carries the short beacon interval and its format is shown in Figure 8-401y (Short Beacon Interval element format).

|  |  |  |  |
| --- | --- | --- | --- |
|  | Element  ID | Length | Short Beacon  Interval |
| Octets | 1 | 1 | 2 |
| * **Short Beacon Interval element format** | | | |

The Element ID and Length fields are defined in 8.4.2.1 (General).

The Short Beacon Interval field represents the number of time units (TU)s between target short beacon transmission times (TSBTT)s.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3024 | Adrian Stephens | 156.17 | 8.4.2.170n | "it indicates if the BSS does not allow any new Relay function"  It is unclear what "function" is. But a BSS doesn't allow anything. | Perhaps say that the AP will reject any request for relaying. | Revised –  Agree in principle wth commenter. Proposed resolution is to clarify that the AP does not accept any more requests from the non-AP STAs to operate as relays.  TGah editor to make the changes shown in 11-14/1063r0 under all headings that include CID 3024. |
| 3646 | kaiying Lv | 156.15 | 8.4.2.170n | "If No More Relay Indicator subfield is equal to 1, it indicates if the BSS does not allow any new Relay function. "if" in the sentence is not necessary. | Please remove "if" | Agree with the commenter. Proposed resolution accounts for the suggested change.  TGah editor to make the changes shown in 11-14/1063r0 under all headings that include CID 3646. |
| 3730 | Liwen Chu | 156.9 | 8.4.2.170n | There is something wrong here: "Relayed SSID" is never used in other place of the specification. The name "Relayed SSID" is also confused. | Clarify it. | Agree in principle with the commenter. Proposed resolution is to clarify this aspect.  TGah editor to make the changes shown in 11-14/1063r0 under all headings that include CID 3730. |

**Discussion:** *None.*

* **Relay element**

***TGah Editor: Change the first 2 paragraphs as follows (#3261):***

The Relay element contains parameters necessary to support the relay operation and its format is shown in Figure 8-401ap (Relay element format).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | Element ID | Length | Relay Control | RootAP BSSID |
| Octets: | 1 | 1 | 1 | 0 or 6 |
| * **Relay element format** | | | | |

The Element ID and Length fields are defined in 8.4.2.1 (General).

The format of Relay Control is shown in Figure 8-401aq (Relay Control field format).

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Hierarchy Identifier | No More Relay Flag |
| Bits: | 7 | 1 |
| * **Relay Control field format** | | |

The Hierarchy Identifier subfield indicates whether the AP is a Root AP or whether it relays an SSID, as specified in Table 8-240i (Hierarchy Identifier subfield).

***TGah Editor: Change the table below as follows (#3730):***

|  |  |
| --- | --- |
| * **Hierarchy Identifier subfield** | |
| **Hierarchy Identifier** | **Meaning** |
| 0 | Root AP |
| 1 | Relay AP that relays frames within the BSS identified by the BSSID contained in the RootAP BSSID field |
| 2-127 | Reserved |

***TGah Editor: Change the paragraph below as follows (#3024, 3646):***

The No More Relay Indicator subfield is set to 1 to indicate that the AP does not accept any more requests for operating as relays from its associated non-AP STAs. Otherwise it is set to 0.

The RootAP BSSID field indicates the BSSID of the root AP. The RootAP BSSID field is present if the Hierarchy Identifier subfield is set to a non zero value. Otherwise the RootAP BSSID field is not present.