IEEE P802.11
Wireless LANs

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| LB 200 Comment Resolution for Clauses 8.4.2.170g-h-u |
| Date: 2013-11-11 |
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Abstract

This submission proposes resolutions for comments in clauses 8.4.2.170g-h-u of TGah Draft 1.0 with the following CIDs:

1137, 1138, 1147, 1148, and 2942

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.***

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| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1137 | 96.14 | 8.4.2.170g | """The Capability field in the element is identical to the capability field defined in clause 8.4.1.4.""The extra reassurance of ""identical to"" is not required." | "Replace with ""The Capability field in the element is defined in clause 8.4.1.4..2""Similar change at line 16." | Agree with the commenter.Revised – TGah editor to make changes shown in 11-13-1430-01-00ah under the heading for CIDs 1137, 1138, 1147, 1148 and 2942. |
| 1138 | 96.34 | 8.4.2.170h | """The Short Beacon Interval element carries the short beacon interval expressed in TUs.""""expressed in"" is rather quaint terminology. ""in units of "" is generally used." | """The Short Beacon Interval element carries the short beacon interval, in units of 1 TU."" or""The Short Beacon Interval element carries the short beacon interval, in TUs.""Make similar changes to other ""expressed in""." | Agree with the commenter.Revised – TGah editor to make changes shown in 11-13-1430-01-00ah under the heading for CIDs 1137, 1138, 1147, 1148 and 2942. |
| 1147 | 123.31 | 8.4.2.170u | """ and the minimum continuous time the STA must stayin Doze state in between Awakeperiods""""must"" is another of those special words that give all kind of grief. Is this itself a normative requirement, or a restatement of a rule or regulation from outside the draft?" | Review all musts not in the frontmatter and replace with the appropriate normative verb or turn into a declarative statement. Note that the cited occurrence is in Clause 8, and should therefore either be moved to clause 9, or reworded as a declarative statement. | Agree with the commenter.Revised – TGah editor to make changes shown in 11-13-1430-01-00ah under the heading for CIDs 1137, 1138, 1147, 1148 and 2942. |
| 1148 | 123.45 | 8.4.2.170u | "in units of <mu>s" -- this is wrong according to IEEE-SA style. <mu>s is used only after a value. | """in units of microseconds""Ditto at 123.49." | Agree with the commenter Revised – TGah editor to make changes shown in 11-13-1430-01-00ah under the heading for CIDs 1137, 1138, 1147, 1148 and 2942. |
| 2942 | 123.00 | 8.4.2.170u | Inappropriate use of 'us' | Change 'us' to 'microsecond'. | Agree with the commenter.Revised – TGah editor to make changes shown in 11-13-1430-01-00ah under the heading for CIDs 1137, 1138, 1147, 1148 and 2942. |

**Discussion:** *Agree with the commenter. Found 34 occurrences of “expressed in units of TUs” throughout REVmc 1.4. Propose to use this expression for the resolution of 1138.*

* **Short Beacon Compatibility element**

**Instruction to Editor: *Modify the subclause as follows:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Capability Information | Beacon Interval | TSF Completion |
| Octets | 1 | 1 | 2 | 2 | 4 |
| * **Short Beacon Compatibility element format**
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The Capability Information field is defined in 8.4.1.4.

The Beacon Interval field is defined in 8.4.1.3.

The TSF Completion field carries the 4 MSBs of the TSF at the AP at the time of transmission.

* **Short Beacon Interval element**

**Instruction to Editor: *Modify the last paragraph as follows:***

|  |  |  |  |
| --- | --- | --- | --- |
|  | Element ID | Length | Short Beacon Interval |
| Octets | 1 | 1 | 2 |
| * **Short Beacon Interval element format**
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The Short Beacon Interval element carries the short beacon interval and is expressed in units of TUs.

**8.4.2.170u Activity Specification element**

**Instruction to Editor: *Modify the subclause as follows:***

The Activity Specification element is used by a STA to inform the associated AP or peer TDLS STA about operating limitations of the STA, in terms of the maximum continuous time the STA is capable of being in the Awake state, and the minimum continuous time the STA stays in Doze state in between Awake periods.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Element ID | Length | Max Awake Interval | Recovery Time |
| Octets: | 1 | 1 | 4 | 4 |
| * **Activity Specification element format**
 |

The Length field is set to 8.

The Max Awake Interval field indicates a time in units of microseconds, used as defined in 9.32p (Support for energy limited STAs); a value 0 indicates that no limit applies.

The Recovery time indicates a time in units of microseconds, used as defined in 9.32p (Support for energy limited STAs).

**Instructions to the Editor: *Change the following sentence in Page 55 Line 27:***

If the Duration Indication field is set to 0 the Duration field is set as described in 8.2.5.7 (Setting for control response frames) where the value is expressed in units of 40us.

**Instructions to the Editor: *Change the following sentence in Page 94 line 45:***

The Period field has 6 bit length and specifies the time interval, expressed in units of 10 milliseconds, until the next transmission of the same Sector ID.

**Instructions to the Editor: *Change the following sentence in Page 112 line 1:***

The Authentication Slot Duration subfield is 6-bit unsigned integer, expressed in units of TUs, and indicates the authentication slot duration.

**Instructions to the Editor: *Change the following sentence in Page 112 line 5:***

The Minimum Transmission Interval subfield is 1-octet unsigned integer, expressed in units of BIs, and indicates the minimum transmission interval.

**Instructions to the Editor: *Change the following sentence in Page 112 line 8:***

The Maximum Transmission Interval subfield is 9-bit unsigned integer, expressed in units of BIs, and indicates the maximum transmission interval.