IEEE P802.11  
Wireless LANs

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| LB 200 Comment Resolution for Clause 8.4.1.6 | | | | |
| Date: 2014-02-25 | | | | |
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Abstract

This document provides resolutions for CID 1081, 2660, 2727 and 2853.

The changes are in the following subclause: 8.4.1.6.

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# 0 Revision Notes

R0: First draft

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1081 | 8.4.1.6 | 62 | 47 | "non-S1G BSS and Short Beacon Interval for S1G BSS" -- but ListenInterval is a property of the STA, not the BSS | BSS -> STA (twice), and insert missing articles. | Revised  Tgah editor to make changes shown in 11-14-0265r0. |
| 2660 | 8.4.1.6 | 62 | 47 | Short Beacon is optional and only implemented if dot11ShortBeaconOptionImplemented is TRUE. As such, Short Beacon Interval is used as unit for Listen Interval only if dot11ShortBeaconOptionImplemented is TRUE else the unit should be Beacon Interval. | Change "The value of the Listen Interval parameter used by MLME primitives is determined from the Listen Interval field as described in this sub clause and is expressed in units of Beacon Interval for non-S1G BSS and Short Beacon Interval for S1G BSS." to "The value of the Listen Interval parameter used by MLME primitives is determined from the Listen Interval field as described in this sub clause and is expressed in units of short beacon interval if dot11ShortBeaconOptionImplemented is TRUE else in unit of beacon interval for S1G BSS." | Revised  TGah editor to make changes shown in 11-14-0265r0 |
| 2727 | 8.4.1.6 | 62.48 | 48 | Listen Interval should not use the unit of Short Beacon Interval for S1G BSS as Short beacon is optional. | Change to "non-S1G BSS or S1G BSS if dot11ShortBeaconOptionImplemented is false and Short Beacon Interval for S1G BSS if dot11ShortBeaconOptionImplemented is true. | Revised.  TGah editor to make changes shown in 11-14-0265r0 |
| 2853 | 8.4.1.6 | 62 | 46 | A Short Beacon in a S1G BSS is an optional feature. When a Short Beacon is not transmitted in the S1G BSS, the the listen interval shall be expressed in units of Beacon Interval. | Modify the sentence as the following: "is expressed in units of Beacon Interval for non-S1G BSS and Short Beacon Interval for S1G BSS." "is expressed in units of Beacon Interval when dot11ShortBeaconOptionImplemented is FALSE and Short Beacon Interval when dot11ShortBeaconOptionImplemented is TRUE." | Revised  TGah editor to make changes shown in 11-14-0265r0 |

CID 1081, 2660, 2727, 2853

***Discussion:***

ListenInterval is a property of the STA but not the BSS. The comment resolution document for clause 8.4.1.6 (11-14/ 33r1) doesn’t change the text accordingly. Short Beacon frame is mandatory for 11ah but the unit for Listen Interval field is still Beacon Interval.

***Proposed change:***

**Instruction to Editor: *Please make the following changes for L6P75 in clause 8.4.1.6 (TGah 1.2):***

**8.4.1.6 Listen Interval field**

***Change the first paragraph of sub-clause 8.4.1.6 as follows:***

The Listen Interval field is used to indicate to the AP how often a STA with dot11NonTIMModeActivated set to false in power save mode wakes to listen to Beacon management frames and it is used to indicate to an AP the duration during which a STA with dot11NonTIMModeActivated set to true is required to transmit at least one frame that is addressed to the associated AP. The value of ~~this parameter is~~ the Listen Interval parameter ~~of the MLME-ASSOCIATE.request or MLME-REASSOCIATE.request~~ used by MLMEprimitives is determined from the Listen Interval field as described in this subclause and is expressed in units of Beacon Interval ~~for non-S1G BSS and Short Beacon Interval for S1G BSS~~(#80). The length of the Listen Interval field is 2 octets. The Listen Interval field in an Association Response frame is used by the recipient STA to set its listen interval to a value of ListenInterval that is different from the value of ListenInterval in the corresponding Association (Reassociation)(#14/0033r1) Request frame based on an AP's buffer management consideration.