IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TGac Draft 1.0 - proposed resolutions on comments related to Information Elements | | | | |
| Date: 2011-11-02 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Peter Loc | IWT Inc. | Cupertino CA 95134, USA |  | Peterloc@iwirelesstech.com |

##### Baseline is 11ac D1.2

MAC CIDs addressed: 3045, 3104, 3340, 3552

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3045 | Malinen, Jouni | 8.4.2.1 | 48 | 27 | VHT Transmit Power Envelope is described to have length of 6-256 octets and it is marked as Extensible. However, 8.4.2.104 defines the element in a way that makes it difficult to extend since specific element length field values 5 and 7 (should be 3 and 5) are used to indicate how many Channel Center Frequency Segment and Segment Channel Width fields are included. | Either remove the Extensible=Yes marking or add a new field in Figure 8-ac18 to explicitly indicate number of repetitions for these fields so that new information may be added to the end of the element without causing problems for older implementation. In addition, change the minimum length from 6 to 5 in Table 8-53. | Disagree. There is no more than 2 frequency segments for 11ac, adding a new field to indicate the number of repetitions or frequency segments would be an overkill. |
| 3104 | Merlin, Simone | 8.4.2.3 |  |  | 8.4.2.3 Supported Rates element. Add VHT case to the BSS membership selector | add VHT PHY in Table 8-52 | Counter. The referenced Table in the comment is incorrect. It should be Table 8-55. Instruction to the editor: add Table 8-55—BSS membership selector value the value 126, PHY type is VHT PHY and the interpretaion for VHT is “Support for the mandatory features of Clause22 (High Throughput (VHT) PHY specification) is required in order to join the BSS that was the source of the Supported Rates element or Extended Supported Rates element containing this value. |
| 3340 | Rosdahl, Jon | 8.4.2.1 | 48 | 26,29 | Can these really grow to 256 octets? | Clarify | Counter. The max. length is merely based on the max. value of an 8-bit length field. |
| 3552 | Stephens, Adrian | 8.4.2.1 | 48 | 26 | An upper bound of 256 is probably wrong. Unless there is no reason otherwise, the maximum length of the element is 257, which includes the length of the element ID and length fields. | Correct upper bound to 257. Check lower bounds include element Header overhead throughout table 8-53. | Accept. In Table 8-53, change the max. length of the Extended Power Constraint to 257 and the minimum to 2 |

Instruction to the editor:

CID 3045

8.4.2.1 Table 8-53

Change VHT Transmit Power Envelope (see 8.4.2.144 (VHT Transmit Power Envelope element) 5, 7 to 5 or 7

CID 3104

Add subclause 8.4.2.3

Modify Table 8-55—BSS membership selector value encoding(11n and VHT)

|  |  |  |
| --- | --- | --- |
| 127 | HT PHY | Support for the mandatory features of Clause20 (High Throughput (HT) PHY specification(11n)) is required in order to join the BSS that was the source of the Supported Rates element or Extended Supported Rates element containing this value. |
| 126 | VHT PHY | Support for the mandatory features of Clause22 (Very High Throughput (VHT) PHY specification(11ac)) is required in order to join the BSS that was the source of the Supported Rates element or Extended Supported Rates element containing this value. |

CID 3552

8.4.2.1 Table 8-53

change the max. length of the Extended Power Constraint to 257 and the minimum to 2