IEEE P802.11
Wireless LANs

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| Comment Resolutions on WUR Capability element – Part 1 |
| Date: 2018-11-12 |
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Abstract

This submission proposes resolutions for multiple comments related to TGba D1.0 with the following CIDs:

* 11 CIDs: 13, 14, 15, 166, 366, 367, 407, 516, 780, 981, 1017

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 TGba Draft. This introduction is not part of the adopted material.

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

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

# Capability Element

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 13 | 32.48 | 9.4.2.274 | The WUR operation in the 5 GHz band is explicitly on non-DFS channels |  | Rejected.WUR operation is prohibited in DFS channels and this is described in subcluase 32.1 |
| 14 | 32.46 | 9.4.2.274 | Next generation STAs may be multi-band. The 6 GHz band is viable option for multi-band support, in addition to 2. 4 GHz 4.9 GHz and 5 GHz. |  | Revised.Agree with the comment.6 GHz band should be considered. TGba editor please make the changes as shown in 11-18/1874r0 |
| 15 | 33.12 | 9.4.2.274 | Ambiguity in text within "Encoding column in Table 9-318f |  | Rejected.Comment doesn't explain what is ambiguous |
| 166 | 32.47 | 9.4.2.274 | Why using 1 bit to indicate support of both 4.9 and 5GHz band? | Either remover 4.9GHz or have separated bit for 5 and 4.9GHz band | Revised.Agree with the comment.TGba editor please make the changes as shown in 11-18/1874r0 |
| 366 | 32.37 | 9.4.2.274 | The Supported Bands field format is missing the 5.9GHz band. | Add a column for B2 with the content 5.9GHz band and set B3-B8 as Reserved with size5. | Revised.Similiar comment with CID 14. TGba editor please make the changes as shown in 11-18/1874r0 |
| 367 | 32.48 | 9.4.2.274 | The Supported Bands field format is missing the 5.9GHz band. | Add a sentence "B2 of the Supported Bands field is set to 1 to indicate the suport of the 5.9Ghz band. Otherwise, B2 of the Supported Bands field is set to 0." | Revised.Similiar comment with CID 14. TGba editor please make the changes as shown in 11-18/1874r0 |
| 407 | 32.00 | 9.4.2.274 | We have two PHY rates today, and might have more in the future. Suggest to add a Supported WUR Rates field to the WUR Capabilities element | Add a Supporte WUR Rates field to the WUR Capabilities Element. Field is a bitmap of 8 bit length. First bit indicates support for 62.5, second bit indicates support for 250, third to final bits are all reserved for future use. | Rejected.WUR doesn't consider additional PHY rate. |
| 516 | 32.37 | 9.4.2.274 | 11ax devices may operate in 6GHz band. one reserved bit should be used to indicates whether to support 6GHz band for the WUR operating channel. | as per comment | Revised.Similiar comment with CID 14. TGba editor please make the changes as shown in 11-18/1874r0 |
| 780 | 32.58 | 9.4.2.274 | My understanding is the amendment supports two rates and two PPDU formats. Shouldn't support of these parameters be included in the Capability info | As in comment | Rejected.Receiving HDR PPDU format is optional feature for WUR non-AP STA.So, this field should be included to indicate whether the STA can receive the HDR PPDU.  |
| 981 | 32.45 | 9.4.2.274 | 6 GHz band can be one of the supported band for WUR | Add 6 GHz subfield in the Supported Bands field | Revised.Similiar comment with CID 14. TGba editor please make the changes as shown in 11-18/1874r0 |
| 1017 | 32.47 | 9.4.2.274 | How about 6GHz? | Add 6 GHz subfield. | Revised.Similiar comment with CID 14. TGba editor please make the changes as shown in 11-18/1874r0 |

9.4 Management and Extension frame body components

9.4.2 Elements

**9.4.2.274 WUR Capabilities element**

**TGba Editor: Modify the Figure 9-751e as follows [14, 166, 366, 367, 516, 981, 1017]:**



**Figure 9-751e— Supported Bands field format**

**TGba Editor: Modify this subclause as follows [14, 166, 366, 367, 516, 981, 1017]:**

B0 of the Supported Bands field is set to 1 to indicate the support of 2.4 GHz band. Otherwise, B0 of the Supported Bands field is set to 0. B1 of the Supported Bands field is set to 1 to indicate the support of 4.9 GHz band. Otherwise, B1 of the Supported Bands field is set to 0. B2 of the Supported Bands field is set to 1 to indicate the support of 5 GHz band. Otherwise, B2 of the Supported Bands field is set to 0. B3 of the Supported Bands field is set to 1 to indicate the support of 6 GHz band. Otherwise, B3 of the Supported Bands field is set to 0.