IEEE P802.11  
Wireless LANs

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| LB271 Resolution for CIDs on bandwidth indication | | | | |
| Date: April 28, 2023 | | | | |
| Author(s): | | | | |
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Abstract

This submission proposes resolutions for following 28 CIDs received for TGbe LB271:

15163, 15164, 15165, 15166, 15361, 15364, 15456, 17262, 17266, 17530, 17531, 17532, 17533

17534, 17574, 17575, 17752, 17753, 17754, 17755, 17756, 17757, 17762, 17763, 17971, 17972

17999, 18000

**Revisions:**

* Rev 0: Initial version of the document.
* Rev 1: Some changes on the resolution and text
* Rev 2: Green tag and updates for some CIDs
* Rev 3: some updates during the adhoc meeting, and deferred 5 CIDs
* Rev 4: Revising the deferred CIDs: 17266, 17533, 17534, 17755, 17972

***TGbe editor: The baseline for this document is 11be D3.1***

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

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 15163 | Po-Kai Huang | 9.6.12.2 | 307.46 | Use non-AP STAs for STAs affiliated with a non-AP MLD. | Use non-AP STAs for STAs affiliated with a non-AP MLD. | **Revised**  Replace “STA” with “non-AP STA”  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15163.** |
| 15164 | Po-Kai Huang | 9.6.12.3 | 308.23 | Use non-AP STAs for STAs affiliated with a non-AP MLD. | Use non-AP STAs for STAs affiliated with a non-AP MLD. | **Revised**  Replace “STA” with “non-AP STA”  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15164.** |
| 15165 | Po-Kai Huang | 9.6.12.4 | 308.48 | Use non-AP STAs for STAs affiliated with a non-AP MLD. | Use non-AP STAs for STAs affiliated with a non-AP MLD. | **Revised**  Replace “STA” with “non-AP STA”  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15165.** |
| 15166 | Po-Kai Huang | 9.6.12.12 | 309.34 | Use non-AP STAs for STAs affiliated with a non-AP MLD. | Use non-AP STAs for STAs affiliated with a non-AP MLD. | **Revised**  Replace “STA” with “non-AP STA”  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15166.** |
| 15364 | John Wullert | 9.4.2.174 | 241.38 | The BandWidth Indication Element is not shown as an insert (not underlined) in Figure 9-715 | Modify figure to show that the Bandwidth Indication element is an added field compared to the baseline. | **Accepted** |
| 15456 | Lisa Ward | 9.6.7.7 | 303.32 | Consider slight re-order of phrases in this sentence to improve readability: "When the Bandwidth Indication subelement is present, an EHT STA for determining the EHT BSS operating channel bandwidth shall use Bandwidth Indication subelement indication and shall ignore the Wide Bandwidth Channel Switch subelement indication" | Change "When the Bandwidth Indication subelement is present, an EHT STA for determining the EHT BSS operating channel bandwidth shall use Bandwidth Indication subelement indication and shall ignore the Wide Bandwidth Channel Switch subelement indication" to "When the Bandwidth Indication subelement is present, an EHT STA shall use Bandwidth Indication subelement indication for determining the EHT BSS operating channel bandwidth and shall ignore the Wide Bandwidth Channel Switch subelement indication | **Revised**  Agree in principle. Modified the sentence for more clarity.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15456.** |
| 15361 | John Wullert | 9.4.2.20.7 | 224.39 | The sentence "When the Bandwidth Indication subelement is present, an EHT STA for determining the EHT BSS operating channel bandwidth for which the measurement request applies shall use Bandwidth Indication subelement indication and shall ignore the Wide Bandwidth Channel Switch subelement indication." is confusing. | Rephrase as "When the Bandwidth Indication subelement is present, an EHT STA attempting to determine the EHT BSS operating channel bandwidth for which the measurement request applies shall use Bandwidth Indication subelement indication and shall ignore the Wide Bandwidth Channel Switch subelement indication."  Apply same change to identical sentence in Clauses 9.4.2.20.8, 9.4.2.21.5, 9.4.2.21.6, 9.4.2.21.7 and 9.4.2.21.8. | **Revised**  Agree in principle. Modified the sentence for more clarity.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 15456.** |
| 17262 | Zinan Lin | 9.4.2.319 | 301.09 | Why the Disabled Subchannel Bitmap Present subfield starts from B1 not B0 ( B0 is a reserved bit) | Can put the Disabled Subchannel Bitmap Present in B0? | **Rejected**  At the time of adding this bit, there were two options of using the EHT Operation element or a new element. Group decided to have a new element and in order to simplify any implementation change, it is decided to put this subfield in B1, similar to Disabled Subchannel Bitmap Present subfield in EHT Operation Parameters field of the EHT Operation element. |
| 17266 | Zinan Lin | 35.15.3 | 651.11 | Does this allow the EHT STA ignores the EHT BSS operating channel bandwidth based on the Bandwidth Indication element in the element and determines the EHT BSS based on the BSS bandwidth in the Wide bandwidth Channel Switch element? | Please clarify it | **Rejected**  At the start of this subclause 35.15.3, it mentions that the EHT STA follows the legacy rules and it can use the Wide Bandwidth Channel Switch element as well.  Also it’s discussed within the group that the usage of BW Indication element is optional and no extra rule is needed. |
| 17530 | Brian Hart | 9.2.4.20.5 | 223.04 | Wrong article x2 | Try "For \*an\* EHT STA, the Bandwidth Indication subelement is included to indicate \*an\* EHT BSS operating ...". Ditto similar language in 9.4.2.30.6/7/8 and 9.4.2.21.5/6/7/8. | **Revised**  Agree in principle. Updated the text.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17530.** |
| 17531 | Brian Hart | 9.2.4.20.5 | 223.06 | "including" is really too weak | Try "or an EHT BSS operating channel width that includes at least ..." Ditto similar language in 9.4.2.30.6/7/8 and 9.4.2.21.5/6/7/8. Also P241L55 | **Revised**  Agree in principle. Updated the text  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17531.** |
| 17532 | Brian Hart | 9.2.4.20.5 | 223.10 | As written, this is procedural language and must be rewritten "When the Bandwidth Indication subelement is present, an EHT STA for determining the EHT BSS operating channel bandwidth for which the measurement request applies shall use Bandwidth Indication subelement indication and shall ignore the Wide Bandwidth Channel Switch subelement indication." | Try "If a Bandwidth Indication subelement is received at an EHT STA, the Bandwidth Indication subelement supersedes any Wide Bandwidth Channel Switch subelement in the same Channel Load request."Ditto similar language in 9.4.2.30.6/7/8 and 9.4.2.21.5/6/7/8. | **Revised**  Agree in principle. Updated the text, and also applied the change to subclause 9.6.7.3  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17532.** |
| 17533 | Brian Hart | 9.2.4.20.5 | 223.17 | "announced" is redundant, why not just used the field name ("New Channel Width field"), "is set" would be clearer, "without covering " is a little weak/unclear. | Try "the New Channel Width field in the Wide Bandwidth Channel Switch subelement is set to the maximum channel width that includes the primary channel yet does not cover any punctured 20 MHz subchannel indicated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation)" Ditto similar language in 9.4.2.30.6/7/8 and 9.4.2.21.5/6/7/8. | **Revised**  Updated the text by using the fields name and some minor change for clarification. Also applied the change to subclause 9.6.7.3.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17533.** |
| 17534 | Brian Hart | 9.2.4.20.5 | 223.11 | No "shall"s in clause 9 after 9.1. Also, "corresponding" to what? Rather, this is an indicated/signaled bandwidth. Also "announced" is redundant; and for precision we should use the field names and values ("New Channel Width field", "3") | Try "the New Channel Width in the Wide Bandwidth Channel Switch subelement is set to less than the Channel Width subfield (in the Bandwidth Indication Information field in the Bandwidth Indication subelement) and is not set to 3 (noncontiguous 80+80 MHz BSS)." Ditto similar language in 9.4.2.30.6/7/8 and 9.4.2.21.5/6/7/8. | **Revised**  Updated the text by removing the shall.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17534.** |
| 17574 | Brian Hart | 9.4.2.174 | 241.39 | Changes in figure are undefined (e.g., no strike-thru) | Add underlines / strikethru as needed - e.g., undeline for the Bandwidth Indication element column | **Accepted** |
| 17575 | Brian Hart | 9.4.2.174 | 241.52 | "Bandwidth Indication element is defined in ..." but here the Bandwidth Indication is a subelement. | More accurate and precise to call this a "Bandwidth Indication field", where the BI field optionally contains a BI subelement , and the defintion of the BI subelement is the same as the BI element. And related, 11be editor should ask 11me editor to make equivalent changes for the other baseline "elements that are really fields optionally containing subelements" in this element. | **Rejected**  The term “element” is used intentionally. Since the available fields in this element are called “element”, we are using the same term. |
| 17752 | Brian Hart | 9.4.2.319 | 301.23 | Missing article | "in the EHT Operation element" | **Accepted** |
| 17753 | Brian Hart | 9.6.2.6 | 301.61 | "switching ... including" is weak and not great style | Try "when switching to an EHT BSS operating channel width that includes at least ...". Ditto P237L58, P302L30, P303L29 | **Revised**  The “including” is replaced with “that includes”.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17753.** |
| 17754 | Brian Hart | 9.6.7.3 | 302.28 | Wrong article x3 | "For \*an\* EHT STA, \*a\* Bandwidth Indication subelement is included to indicate \*an\* EHT BSS operating". Ditto P303L28 | **Revised**  Updated the text as noted by the commenter.  Also, it looks like the changes in 11/22-1369r5 for subclause 9.6.7.7 is implemented incorrectly in 11be/D3.1, so used this comment to fix it.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17754.** |
| 17755 | Brian Hart | 9.6.7.3 | 302.35 | No "shall"s in clause 9 after 9.1; "for" subclause appears in an unnatural position in the sentence; missing article | Try "When the Bandwidth Indication subelement is present, an EHT STA uses the Bandwidth Indication subelement indication for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores the Wide Bandwidth Channel Switch subelement indication." Ditto P303:33 | **Revised**  Updated the text as noted by the commenter and also some further updates from other comments which applies to this paragraph.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17755.** |
| 17756 | Brian Hart | 9.6.7.3 | 302.38 | Wrong article x1 or (because this is a new para) x2 | "with \*a\* Wide Bandwidth Channel Switch ..." or (because this is a new para) "When \*a\* Bandwidth Indication subelement is present along with \*a\* Wide Bandwidth Channel Switch" | **Revised**  Updated the text as noted by the commenter.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17756.** |
| 17757 | Brian Hart | 9.6.7.3 | 302.42 | "without covering" is weak and not quite right | Try "maximum bandwidth that includes the primary channel and does not cover any " | **Revised**  Updated the text as noted by the commenter.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17757.** |
| 17762 | Brian Hart | 9.6.12.3 | 308.24 | Missing article | "carried \*a\* TDLS Multi-Link element". Ditto P308L50 | **Accepted** |
| 17763 | Brian Hart | 9.6.12.7 | 308.15 | Inelegant English | Try "For an EHT STA, the Bandwidth Indication element is present when switching to a direct link channel that has bandwidth wider than 160MHz or to a direct link channel that includes at least one punctured 20MHz subchannel." | **Revised**  The text is updated for better reading.  **Tgbe editor: please make the changes indicated in this doc 11-23/733r3 tagged with 17763.** |
| 17971 | Xiaofei Wang | 9.4.2.319 | 300.54 | The sentence is ambigious "The Bandwidth Indication element contains the channel bandwidth and punctured subchannels that can be used for channel bandwidth indication." Suggest to change to "The Bandwidth Indication element contains the channel bandwidth and punctured subchannels." | as in comment | **Accepted** |
| 17972 | Xiaofei Wang | 9.4.2.319 | 301.21 | There is no bandwidth indication information field defined in 9.4.2.311. add definition or correct reference | as in comment | **Rejected** The text is saying that it has the same “definition” as the EHT Operation Information field in EHT Operation element and it doesn’t say it’s identical; so it is not identical field and it has different naming. |
| 17999 | Yanjun Sun | 9.6.2.6 | 301.47 | Duplicate field in Figure 9-1088, one of the delete New Transmit Power Envelope element | As in comment | **Accepted** |
| 18000 | Yanjun Sun | 9.6.2.6 | 301.47 | Incorrect title for Figure 9-1088, pls change it to "Channel Switch Announcement frame Action field format" | As in comment | **Accepted** |

**9.6.12.2 TDLS Setup Request Action field format**

***TGbe editor: Please update table 9-494 as shown below:***

**Table 9-494—Information for TDLS Setup Request Action field**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 19 | AID | The AID element containing the AID of the STA or non-AP MLD whose affiliated STA is sending the frame is present if dot11VHTOptionImplemented, dot11HEOptionImplemented, dot11EHTOptionImplemented or dot11S1GOptionImple- mented is true. |
| <Last assigned + 1> | EHT Capabilities | The EHT Capabilities element is present if dot11EHTOption- Implemented is true; otherwise it is not present. |
| <Last assigned + 2> | Multi-Link | The TDLS Multi-Link element is present if the [15163]non-AP STA is affili- ated with a non-AP MLD; otherwise, it is not present. |

**9.6.12.3 TDLS Setup Response Action field format**

***TGbe editor: Please update table 9-495 as shown below:***

**Table 9-495—Information for TDLS Setup Response Action field**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 20 | AID | The AID element containing the AID of the STA or non-AP MLD whose affiliated STA is sending the frame is present if dot11VHTOptionImplemented, dot11HEOptionImplemented, dot11EHTOptionImplemented or dot11S1GOptionImple- mented is true and the Status Code is SUCCESS and not pres- ent otherwise. |
| <Last assigned + 1> | EHT Capabilities | The EHT Capabilities element is present if dot11EHTOption- Implemented is true; otherwise it is not present. |
| <Last assigned + 2> | Multi-Link | The TDLS Multi-Link element is present if the [15164]non-AP STA is affili- ated with a non-AP MLD and the TDLS Setup Request frame soliciting a response carried TDLS Multi-Link element; other- wise, it is not present. |

**9.6.12.4 TDLS Setup Confirm Action field format**

***TGbe editor: Please update table 9-494 as shown below:***

**Table 9-496—Information for TDLS Setup Confirm Action field**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| <Last assigned + 1> | EHT Operation | The EHT Operation element is present when dot11EHTOption- Implemented is true, the TDLS Setup Response frame con- tained an EHT Capabilities element, and the Status Code is SUCCESS; otherwise it is not present. The EHT Operation ele- ment is defined in [9.4.2.311 (EHT Operation element)](#bookmark164). |
| <Last assigned + 2> | Multi-Link | The TDLS Multi-Link element is present if the [15165]non-AP STA is affili- ated with a non-AP MLD and the preceding TDLS Setup Response frames carried TDLS Multi-Link element; otherwise, it is not present. |

**9.6.12.12 TDLS Discovery Request Action field format**

***TGbe editor: Please update table 9-507 as shown below:***

**Table 9-507—Information for TDLS Discovery Request Action field**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| <Last assigned + 1> | Multi-Link | The TDLS Multi-Link element is present if the [15166]non-AP STA is affili- ated with a non-AP MLD; otherwise, it is not present. |

**9.4.2.20.5 Channel Load request**

***TGbe editor: Please update the tenth paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement request applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456] uses the Bandwidth Indica­tion subelement for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.20.6 Noise Histogram request**

***TGbe editor: Please update the ninth paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement request applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses the Bandwidth Indica­tion subelement for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.20.7 Beacon request**

***TGbe editor: Please update the 19th paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement request applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is present, an EHT STA [15456]uses the Bandwidth Indica­tion subelement for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.20.8 Frame request**

***TGbe editor: Please update the tenth paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement request applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses the Bandwidth Indica­tion subelement for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.21.5 Channel Load report**

***TGbe editor: Please update the tenth paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement report applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses the Bandwidth Indication subelement for determining the EHT BSS operating channel bandwidth for which the measurement report applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.21.6 Noise Histogram report**

***TGbe editor: Please update the 11th paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement report applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses Bandwidth Indication subelement for determining the EHT BSS operating channel bandwidth for which the measurement report applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.21.7 Beacon report**

***TGbe editor: Please update the 24th paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement report applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses the Bandwidth Indication subelement for determining the EHT BSS operating channel bandwidth for which the measurement report applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.21.8 Frame report**

***TGbe editor: Please update the 20th paragraph as shown below:***

For [17530]an EHT STA, the Bandwidth Indication subelement is included to indicate [17530]an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17531] that includes at least one punc­tured 20 MHz subchannel for which the measurement report applies. The Bandwidth Indication subelement has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA [15456]uses the Bandwidth Indication subele­ment for determining the EHT BSS operat­ing channel bandwidth for which the measurement report applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When the Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.4.2.162 Channel Switch Wrapper element**

***TGbe editor: Please update the 7th paragraph as shown below:***

The format of the Bandwidth Indication subelement is the same as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). This subelement is present for an EHT STA when channel switching or extended channel switching to an EHT BSS operating channel width wider than 160 MHz or to an EHT BSS operating channel width [17753]that includes at least one punctured 20 MHz subchannel. Otherwise, the Bandwidth Indication subelement is not present. [17266]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA uses the Bandwidth Indication subele­ment for determining the EHT BSS operat­ing channel bandwidth and ignores the Wide Bandwidth Channel Switch subelement indication.

**9.4.2.174 Future Channel Guidance element**

***TGbe editor: Please update the 7th paragraph as shown below:***

The Bandwidth Indication element is defined in 9.4.2.319 (Bandwidth Indication element). This element is present for an EHT STA when switching to an EHT BSS operating channel width wider than 160 MHz or when switching to an EHT BSS operating channel width [17531]that includes at least one punctured 20 MHz subchan­nel; otherwise, the Bandwidth Indication element is not present.

**9.6.7.3 Measurement Pilot frame format**

***TGbe editor: Please update the 13th paragraph as shown below:***

For [17754]an EHT STA, a Bandwidth Indication subelement is included to indicate an EHT BSS operating channel width wider than 160 MHz or an EHT BSS operating channel width [17753]that includes at least one punc­tured 20 MHz subchannel for which the measurement request applies. The Bandwidth Indication subele­ment has the same format as the Bandwidth Indication element (see 9.4.2.319 (Bandwidth Indication element)). [17532]If a Bandwidth Indication subelement is received by an EHT STA, the EHT STA uses Bandwidth Indica­tion subelement for determining the EHT BSS operating channel bandwidth for which the measurement request applies and ignores[17534] the Wide Bandwidth Channel Switch subelement indication.

When [17756]a Bandwidth Indication subelement is present along with [17756]a Wide Bandwidth Channel Switch sub­element,

—the [17533]New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the maximum bandwidth that includes the primary channel [17757]and does not cover any punctured 20 MHz subchannel indi­cated in the Disabled Subchannel Bitmap subfield in the Bandwidth Indication subelement as defined in 35.15.2 (Preamble puncturing operation), and

—the New Channel Width field in the Wide Bandwidth Channel Switch subelement indicates the bandwidth less than the bandwidth in the Bandwidth Indication subelement and [17534] does not indicate value 3 (non-contiguous 80+80 MHz channel).

**9.6.7.7 Extended Channel Switch Announcement frame format**

***TGbe editor: Please update the eighth paragraph as shown below:***

[17754]The Bandwidth Indication element is defined in 9.4.2.319 (Bandwidth Indication element). This element is present for EHT STAs when switching to an EHT BSS operating channel width wider than 160 MHz or when switching to an EHT BSS operating channel width [17753]that includes at least one punctured 20 MHz subchan­nel. Otherwise, the Bandwidth Indication element is not present. The Bandwidth Indication element indi­cates the EHT BSS operating bandwidth after channel switching (see 35.15.3 (Channel switching methods for an EHT BSS)).

**9.6.12.7 TDLS Channel Switch Request Action field format**

***TGbe editor: Please update table 9-502 as shown below:***

**Table 9-502**—**Information for TDLS Channel Switch Request Action field.**

|  |  |  |
| --- | --- | --- |
| Order | Information | Notes |
| <Last assigned + 1> | Bandwidth Indication element | Bandwidth Indication element (optional). For an EHT STA, the Bandwidth Indication element is present when switching to a [17763]bandwidth wider than 160MHz direct link channel or when switching to a bandwidth that includes at least one punctured 20MHz subchannel. See 9.4.2.319 (Bandwidth Indication element). |