IEEE P802.11
Wireless LANs

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| CR for 320MHz BQR  |
| Date: 2021-08-06 |
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1. **Introduction**

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. The introduction and the explanation of the proposed changes are not part of the adopted material.

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| **CID** | **Commenter** | **Clause**  | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 5502 | Jinsoo Choi | 9.2.4.6.3a | 71.18 | It's not clear if the BQR is associated with dot11EHTBaseLineFeaturesImplementedOnly, but EHT BQR needs to be defined since the new 320 MHz BW is in R1. | As in comment | RevisedAgree with the commenter, the text of 320MHz BQR is added based on Motion 135, #SP220.TGbe editor to make the changes shown in doc 21/1299r0 under CID 5502 |
| 5535 | JINYOUNG CHUN | 9.2.4.6.3a | 71.42 | BQR (Bandwidth query report) Control subfield should be updated because it's only support till 160MHz. | add EHT BQR control as new subclause | RevisedAgree with the commenter, the text of 320MHz BQR is added based on Motion 135, #SP220.TGbe editor to make the changes shown in doc 21/1299r0 under CID 5535 |
| 8154 | Yunbo Li | 9.2.4.6a.x | 71.50 | The indication of 320MHz through BQR already passed motion (Motion 135, #SP220). It is label in R2 just because some member asked whether it is a R2 feature without provide a reason. Since 320MHz is a R1 feature, 320MHz BQR indication should also be R1. | covert the motion text into 11be spec in R1 | RevisedAgree with the commenter, the text of 320MHz BQR is added based on Motion 135, #SP220.TGbe editor to make the changes shown in doc 21/1299r0 under CID 8154 |

The followings apply for BQR Control subfields in A-Control subfield in R2.

* When there are two BQR control subfields in A-Control subfield, the 1st BQR Control is used to indicate the primary 160 MHz, the 2nd BQR Control is used to indicate the secondary 160 MHz.
* When there is one BQR control subfield in A-Control subfield, the BQR Control is used to indicate the primary 160 MHz.

[Motion 135, #SP220, [48] and [170]]

***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).***

1. **Proposed spec text**

***TGbe editor: Please change below paragraphs in subclauses 9.2.4.6a.6 (BQR Control) as follows:***

**9.2.4.6a.6 BQR Control**

The Control Information subfield in a BQR Control subfield contains the bandwidth query report (BQR) used for bandwidth query report operation to assist HE MU transmission (see 26.5.2 (UL MU operation)). The format of the subfield is shown in Figure 9-22g (Control Information subfield format in a BQR Control subfield).

The Available Channel Bitmap subfield contains a bitmap indicating the subchannels available at the STA transmitting the BQR. When there is one BQR Control subfield in an A-Control subfield, the Available Channel Bitmap subfield is applied to either:

* the operating channel width when the operating channel width is no more than 160 MHz, or
* the primary 160 MHz when the operating channel width is 320 MHz.

When there are two BQR Control subfields in an A-Control subfield, the Available Channel Bitmap subfield in the first and second BQR Control subfields are applied to the primary 160 MHz and the secondary 160 MHz respectively. (#5502, 5535, 8154)

Each bit in the bitmap corresponds to a 20 MHz subchannel within the operating channel width of the BSS in which the STA is associated, with the LSB corresponding to the lowest numbered operating subchannel. The bit in position X in the bitmap is set to 1 to indicate that the subchannel X + 1 is idle; otherwise it is set to 0 to indicate that the subchannel is busy or unavailable. The availability of each 20 MHz subchannel is based on the ED-based CCA defined in 27.3.20.6.5 (Per 20 MHz CCA sensitivity) and is reported for the 20 MHz subchannels located in the operating channel of the reporting STA, when the WM is idle as defined in 10.3.2.1 (CS mechanism) and in 26.5.2.5 (UL MU CS mechanism).

***End of change***