IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Editorial CID resolutions: final batch in SA1 8000 | | | | |
| Date: 2022-07-14 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Roy Want | Google Inc | 1600 Amphitheatre Parkway, Mtn View, CA |  | [roywant@google.com](mailto:christian.berger@nxp.com) |
| Jonathan Segev | Intel Corp. | 2200 Mission College Blvd |  | [jonathan.segev@intel.com](mailto:jonathan.segev@intel.com) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes the comment resolution of 8002, 8021, 8022, 8024, 8038, 8068, 8069, 8042(T); as part of SA first recirculation ballot. Changes are relative to Draft 5.0.

Revisions:

0: original

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

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

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

**The text preceded by “Discussion” is not part of the adopted changes.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| **8002**/E | 238.1 | 27.3.18a | In 11ax, 27.3.18 is for HE TB feedback NDP. He Ranging NDP and HE TB Ranging NDP are different PPDU types from HE TB feedback NDP but they are defined as a subclause under 27.3.18. | Change 27.3.18 to "Other HE NDP PPDU types". Define 27.3.18a for HE TB feedback NDP and 27.3.18b for Ranging NDP types. | **REJECT**  The commenter mistakenly identifies 27.3.18a as being a sub-clause of 27.3.18, this is not the case. 18a is a designation intended to make the HE Ranging NDP and HE TB Ranging NDP to appear between 27.3.18 and 27.3.19 which is the transmission specification. |
| **8021**/E | 150.13 | 11.21.6.4.3.2 | "The Ranging variant Trigger frame of poll is called the TF Ranging Poll frame" - Since we now have the name "Poll Ranging TF", seems double. Can we settle on one? | Remove this sentence and replace all "TF Ranging Poll" with "Poll Ranging TF" or "Poll Ranging Trigger frame" (inlcuding figures) | **REJECT**  “Poll Ranging Trigger frame”, is not a frame type. It’s based on a control Trigger Frame with the type and subtype fields set to indicate Poll Ranging. |
| **8022**/E | 151.27 | 11.21.6.4.3.3 | "The Ranging variant Trigger frame of sounding subvariant is called the TF Ranging Sounding frame" - can we remove? | Remove this sentence and replace all "TF Ranging Sounding" with "Sounding Ranging TF"or "Sounding Ranging Trigger frame" (inlcuding figures) | **REJECT**  “Sounding Ranging Trigger frame”, is not a frame type. It’s based on a control Trigger Frame with the type and subtype fields set to indicate Sounding Ranging. |
| **8024**/E | 157.43 | 11.21.6.4.3.4 | "The Ranging variant Trigger frame of report subvariant is called the TF Ranging LMR." - can we remove | Remove this sentence and replace all "TF Ranging LMR" with "Report Ranging TF" or "Report Ranging Trigger frame" (inlcuding figures) | **REJECT**  “Report Ranging Trigger frame”, is not a frame type. It’s based on a control Trigger Frame with the type and subtype fields set to indicate Report Ranging. |
| **8038**/E | 148.18 | 11.21.6.4.3.1 | Figure 11-37a is to wide and extending over page margins. Same applies to Figures 11-37e on P153L26, 11-37g on P156L1, 11-37h on P158L17, 11-37v on P189L10, 11-37x on P192L17, and Table 12-10 on P213L21 | Please resize all figures and tables so that they fit to page margins | **REJECT**  This comment will be passed to the IEEE-SA editor for consideration during publication editing. |
| **8068**/E | 150.31 | 11.21.6.4.1 | Editing instructions are very confusing. Just above (P150.13) says to add a new subclause in 11.21.6.4, but then this instruction says to put the entire existing 11.21.6.4 as a subclause (".2"), so what is the net result of that? | Restate the changes, to just show the changes by including the existing 11.21.6.4 and mark it up. (I know that makes the amendment larger, with ~ 6 pages of baseline text, but it would be much easier to understand what is being done. | **ACCEPT** |
| **8069**/E | 151.2 | 11.21.6.4.2.1.1 | Do we really want seven levels depth of subclause numbering? There has to be a better way to structure this material. | I'm not sure the best solution. I suggest raising 11.21.6 to be an 11.22. Have the DMG procedures separate (and parallel to) non-DMG, as 11.22.x and 11.22.(x+1). | **ACCEPT** |
| **8042**/T | 239.4 | 27.3.18a.1 | Starting from the third sentence a new bulelt should be created. See for example P242L26. | Create a new bullet starting from the third sentence on L4. | **ACCEPT** |

**Detail for resolution of 8042:**

Original Text Bullet in the HE Ranging NDP section.

* No beamforming steering matrix is applied to the waveform. The Beamformed field in HE- 3 SIG-A of an HE Ranging NDP is always set to 0. For transmission of HE-STFs and HE- 4 LTFs, if NSTS = NTx, the Q matrix shall be an Identity matrix, and if NSTS < NTx, the Q 5 matrix shall be based on an antenna selection matrix with no antenna swapping. The Q 6 matrix becomes an Identity matrix when all 0 rows are removed.

Revised Text to match P242L25 in HE TB Ranging NDP section

* No beamforming steering matrix is applied to the waveform.
* The Beamformed field in HE- 3 SIG-A of an HE Ranging NDP is always set to 0. For transmission of HE-STFs and HE- 4 LTFs, if NSTS = NTx, the Q matrix shall be an Identity matrix, and if NSTS < NTx, the Q 5 matrix shall be based on an antenna selection matrix with no antenna swapping. The Q 6 matrix becomes an Identity matrix when all 0 rows are removed.