IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CC40 CR for Topic Instance – Part 1 | | | | |
| Date: 2022.08.25 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Mengshi Hu | Huawei Technologies | H3, Huawei Base, Bantian, Longgang, Shenzhen, Guangdong, China, 518129 |  | humengshi@huawei.com |
| Rui Du |  |  |  |
| Narengerile |  |  |  |
| Xiandong Dong | Xiaomi |  |  |  |
| Ali Raissinia | Qualcomm |  |  |  |

Abstract

This submission contains the proposed comment resolutions for the following 11 CIDs in the Topic “Instance” shown in 22/0820 IEEE 802.11bf CC40 comments.

CIDs 99, 100, 101, 102, 553, 555, 556, 557, 627, 813, 867

Revision Notes

|  |  |
| --- | --- |
| R0 | Initial revision |

## CID 99 & 100 & 101 & 102

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Page.  Line | Clause Number | Comment | Proposed Change | Resolution |
| 69.47  **(CID 99)** | 11.21.18.6.1 | The note is not needed. It is clear that the polling frame will need to be defined. | Delete the Editor's Note. | ACCEPTED |
| 69.65  **(CID 100)** | 11.21.18.6.2 | The note is not needed. It is clear that the frame and NDP will need to be defined. | Delete the Editor's Note. | ACCEPTED |
| 70.20  **(CID 101)** | 11.21.18.6.3 | The note is not needed. It is clear that the frame and NDP will need to be defined. | Delete the Editor's Note. | ACCEPTED |
| 72.01  **(CID 102)** | 11.21.18.7 | The note is not needed. It is clear that the frame and NDPs will need to be defined. | Delete the Editor's Note. | ACCEPTED |

Discussion:

[Page 69 Line 47]



[Page 69 Line 65]



[Page 70 Line 20]



[Page 72 Line 01]



Discussion ends.

## CID 553 & 555 & 556 & 557 & 627 & 867

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Page.  Line | Clause Number | Comment | Proposed Change | Resolution |
| 70.33  **(CID 553)** | 11.21.18.6.4 | In the sensing procedure, the negotiation does not exist. So, the text" When negociated" should be modified with other text. | Change " When negotiated " with " after the sensing measurement setup phase". | REVISED.  “When negotiated” has been changed into “In the reporting phase” in 802.11 bf Draft 0.2.  Note to the Editor: No further changes are needed. |
| 70.38  **(CID 555)** | 11.21.18.6.4 | In the sensing procedure, the negotiation does not exist. So, the text" When negociated" should be modified with other text. | Change " When negotiated " with " after the sensing measurement setup phase". | REVISED.  “Negotiated” has been changed into “assigned” in 22/930r4.  Note to the Editor: No further changes are needed. |
| 70.40  **(CID 556)** | 11.21.18.6.4 | In the sensing procedure, the negotiation does not exist. So, the text" When negociated" should be modified with other text. | Change " When negotiated " with " after the sensing measurement setup phase". | REVISED.  “Negotiated” has been changed into “assigned” in 22/930r4.  Note to the Editor: No further changes are needed. |
| 70.44  **(CID 557)** | 11.21.18.6.4 | In the sensing procedure, the negotiation does not exist. So, the text" When negociated" should be modified with other text. | Change " When negotiated " with " after the sensing measurement setup phase". | REVISED.  Change “when negotiated” into “in this case”.  ***Instructions to the editor:***  **Please make the changes as shown under CID 867 in 11-22/1386r3.** |
| 70.44  (**CID 627**) | 11.21.18.6.4 | What are the information being negotiated? | Change "When negotiated" to "When 'aggregate report' subfield in the corresponding measurement setup parameters is set to 1" | REVISED.  Because the detailed aggregated reporting procedure is TBD, “the reporting phase supporting the aggregated reporting” is used. The subfield description could be used when the aggregated reporting procedure is clearly designed.  ***Instructions to the editor:***  **Please make the changes as shown under CID 867 in 11-22/1386r3.** |
| 70.39  (**CID 867**) | 11.21.18.6.4 | Incorrrect word | Change text to: The sensing receiver which is a sensing responder shall provide a Sensing Measurement Report frame in the assigned RUs with either results obtained from the I2R NDP of the current measurement instance, when negotiated to deliver immediate feedback reporting, or results obtained from the I2R NDP of **one or more previous measurement instances**, when negotiated to deliver delayed feedback reporting." | REVISED.  Agree in principle.  ***Instructions to the editor:***  **Please make the changes as shown under CID 867 in 11-22/1386r3.** |

***Instructions to the editor: please make the following changes to Line 29, Page 86 in the subclause 11.21.18.6.4 Reporting phase in D0.2 as shown below (The revision is based on 22/930r4 and D0.2):***

For a responder which is a sensing receiver, the reporting phase shall be present in a TB sensing measurement instance if the Sensing Measurement Report subfield within the Sensing Measurement Setup Request frame is set to 1. In this case, sensing measurement results obtained in a TB sensing measurement instance shall be reported during the reporting phase and the transmission of Sensing Measurement Report frame shall be conveyed to the STA byMLME primitive MLME-SENSTBREPORTRQ.request. The sensing measurement reporting may be either immediate or delayed.

In the reporting phase (#553), the sensing initiator shall send a Sensing Report Trigger frame assigning RUs to one or more sensing receiver(s) which is a sensing responder in order to obtain a Sensing Measurement Report frame containing sensing measurement results. The sensing receiver(s) shall provide a Sensing Measurement Report frame in the assigned RUs with either results obtained from the SI2SR NDP of the current measurement instance when assigned to deliver immediate feedback reporting, or results obtained from the SI2SR NDP of one or more previous measurement instances when assigned to deliver delayed feedback reporting (#555, #556, #867).

For delayed reporting, sensing measurement reports of multiple sensing measurement setups of a sensing responder may be included in a single Sensing Measurement Report frame of the reporting phase supporting the aggregated reporting. In this case, the sensing initiator may assign an RU to the sensing receiver which is a sensing responder to obtain more than one sensing measurement report in a single Sensing Measurement Report frame (#557, #627). A sensing responder may optionally transmit more than one delayed measurement result during the assigned RU sent by the sensing initiator in the Sensing Report Trigger frame.

Whether the sensing measurement reports of the same sensing measurement setup of a sensing responder may be included in a single Sensing Measurement Report frame of the reporting phase is TBD (#867).

Discussion:

**The text in Draft 0.1 is shown below:**

**When negotiated (related to CID 553)**, the sensing transmitter which is a sensing initiator shall send a Sensing Trigger Report frame during the reporting phase and assign RUs to the sensing receiver which is a sensing responder to obtain a Sensing Measurement Report frame containing sensing measurement results. The sensing receiver which is a sensing responder shall provide a Sensing Measurement Report frame in the assigned RUs with either results obtained from the I2R NDP of the current measurement instance, **when negotiated** **(related to CID 555)** to deliver immediate feedback reporting, or results obtained from the I2R NDP of **the previous measurement instance** **(related to CID 867)**, **when negotiated (related to CID 556)** to deliver delayed feedback reporting.

For delayed reporting, sensing measurement reports of multiple sensing measurement setups of a sensing responder may be included in a single Sensing Measurement Report frame. **When negotiated (related to CIDs 557, 627)**, the sensing initiator may assign RUs to obtain more than one sensing measurement report in a single Sensing Measurement Report frame. A sensing responder may optionally transmit more than one delayed measurement results during the assigned RUs sent by the sensing initiator in the Sensing Trigger Report frame.

**The text in 1386r2 is shown below (Because in the call on September 6th, the CR document 930r4 has provided some similar resolutions to the above pragraphs, in 1386r3 the revision is based on 930r4):**

The reporting phase is only present if the Sensing Measurement Report subfield within the Sensing Measurement Setup Request frame that resulted in the TB sensing measurement instance is set to 1. In this case, the transmission of Sensing Measurement Report frame is initiated by an MLME primitive. The sensing measurement reporting can be either immediate or delayed.

In the reporting phase, the sensing transmitter which is a sensing initiator shall send a Sensing Report Trigger frame during the reporting phase and assign an RU to the sensing receiver which is a sensing responder to obtain a Sensing Measurement Report frame containing sensing measurement result(s). The sensing receiver which is a sensing responder shall provide a Sensing Measurement Report frame in the assigned RU with either results obtained from the SI2SR NDP of the current measurement instance, when assigned in the measurement setup procedure to deliver the immediate feedback reporting, or results obtained from the SI2SR NDP of one or more previous measurement instances, when assigned in the measurement setup procedure to deliver the delayed feedback reporting (#555, #556, #867).

For delayed reporting, sensing measurement reports of multiple sensing measurement setups of a sensing responder may be included in a single Sensing Measurement Report frame of the reporting phase supporting the aggregated reporting. In this case, the sensing initiator may assign an RU to the sensing receiver which is a sensing responder to obtain more than one sensing measurement report in a single Sensing Measurement Report frame (#557, #627). A sensing responder may optionally transmit more than one delayed measurement result during the assigned RU sent by the sensing initiator in the Sensing Report Trigger frame.

Whether the sensing measurement reports of the same sensing measurement setup of a sensing responder may be included in a single Sensing Measurement Report frame of the reporting phase is TBD (#867).

Discussion ends.

## CID 813

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Page.  Line | Clause Number | Comment | Proposed Change | Resolution |
| 70.25 | 11.21.18.6.4 | Why "last phase" when the Reporting phase is not required. | Please clarify. | REVISED.  According to the fifth example in Figure 11-41c, a TB sensing measurement instance can have no reporting phase. Thus, the first sentence is deleted.  ***Instructions to the editor:***  **Please make the changes as shown under CID 813 in 11-22/1386r3.** |

***Instructions to the editor: please make the following changes to Line 18, Page 68 in the subclause 11.21.18.6.4 Reporting phase in D0.2 as shown below:***

(#813) In the reporting phase of a TB sensing measurement instance, sensing measurement results are reported.