IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR Document Resolving CIDs related to Immediate and Delayed Feedback Support | | | | |
| Date: 2022-06-08 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Rajat Pushkarna | Panasonic Corp. | 202, Bedok South Avenue 1, PRDCSG, Singapore |  | rajat.pushkarna@sg.panasonic.com |
| Rojan Chitrakar | Panasonic Corp. |  |  |  |

Abstract

This submission proposes resolutions of comments received from TGbf comment collection 40 (TGbf Draft 0.1).

* CIDs: 376, 552 and 577 (3 CIDs)

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revised based on offline discussions.
* Rev 2: Based on the discussion during Ad-hoc call.
* Rev 3: Based on further offline discussions and feedback.
* Rev 4: Based on clarification from members offline.
* Rev 5: Based on discussion during the meeting.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID(s)** | **Commentor** | **Sub-clause** | **Comment** | **Proposed Change** | **Resolution** |
| 376 | Insun Jang | 9.4.2.317 | During a measurement setup, whether it allows Immediate feedback or Delayed feedback should be indicated | As in comment | ***Revised.***  Support for Immediate or Delayed feedback is not required instead a normative text is needed to determine the reporting behaviour of the responder.  **TGbf editor to make the changes shown in IEEE 802.11-22/0882r5 under all headings that include CID 376.** |
| 552 | Dong Guk Lim | 11.21.18.6.4 | The support of immediate or delayed feedback is determined between the initiator and responder during the measurement setup phase. Add the above text and add the subfield to indicate this in the sensing measurement parameters subfields. | As in comment | ***Revised.***  Support for Immediate or Delayed feedback is not required instead a normative text is needed to determine the reporting behaviour of the responder.  **TGbf editor to make no further changes as the changes are same as CID 376.** |
| 577 | Rui Cao | 9.4.2.26 | 11bf defines multiple sensing measurement mode, e.g., sensing with feedback or without feedback, immediate feedback vs delayed feedback. Capability definition is missing for the support of sensing feedback. | Suggest adding capability bits to indicate the support of sensing measurement feedback or not; and support of immediate or delayed feedback. | ***Revised.***  Support for Immediate or Delayed feedback is not required instead a normative text is needed to determine the reporting behaviour of the responder.  **TGbf editor to make no further changes as the changes are same as CID 376.** |

**SP:** Do you agree to the resolutions provided in the document 11-22/0882r5 for the following CIDs: 376, 552 and 577 for inclusion in the latest 11bf draft?

**Discussion points:**

During the ad-hoc call it was discussed elaborately about the Immediate and Delayed Feedback. It was pointed out that Immediate feedback or Delayed feedback indication during the measurement setup or in the Sensing element is not required. Whereas a normative text is needed to determine the reporting behaviour which describes about the reporting procedure.

**11.21.18.6.5 Basic reporting phase**

***TGbf Editor: Please add the following paragraph at line 23 page 97 of 11bf Draft D0.3.***

***The text highlighted in yellow was removed during call as it will be addressed in sub-clause for non-TB reporting.***

In the basic reporting phase(#199, #282), the sensing initiator shall send a Sensing Report Trigger

frame (#401, #464, #196) assigning RUs to one or more sensing receivers in order to obtain a Sensing Measurement Report frame containing sensing measurement results(#195, #625).

During a TB sensing measurement instance, the sensing responder upon receiving the Sensing Report Trigger frame shall transmit either a measurement report frame corresponding to the sensing measurement result of the SI2SR NDP for the current measurement instance or the previous measurement instance consistently throughout all the subsequent TB measurement instances corresponding to the same measurement setup.

~~During a non-TB sensing measurement instance, the sensing responder shall transmit either a measurement report frame corresponding to the sensing measurement result of the SI2SR NDP for the current measurement instance or the previous measurement instance consistently throughout all the subsequent TB measurement instances corresponding to the same measurement setup.~~

Note: In the TB sensing measurement instance, if the responder is not assigned to deliver sensing measurement report, then Sensing Report Trigger frame is not addressed to it.

~~For a non-TB sensing measurement instance, the AP does not transmit a sensing measurement report frame.~~

**References:**

1. Draft P802.11bf\_D0.3