IEEE P802.11
Wireless LANs

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| CR Document Resolving CIDs related to Immediate and Delayed Feedback Support |
| Date: 2022-06-08 |
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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.

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| **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 | ***Rejected***Support for Immediate or Delayed feedback is device dependent and should be exchanged as capabilities.**TGbf editor to make the changes shown in IEEE 802.11-22/0882r1 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 | ***Rejected***Support for Immediate or Delayed feedback is device dependent and should be exchanged as capabilities.**TGbf editor to make the changes shown in IEEE 802.11-22/0882r1 under all headings that include CID 552.** |
| 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***Agree with the commentor in principle to indicate the support of delayed or immediate feedback. The relevant text and frame format has been added.**TGbf editor to make the changes shown in IEEE 802.11-22/0882r1 under all headings that include CID 577.** |

**SP:** Do you agree to the resolutions provided in the document 11-22/0882r1 for the following CIDs: 376, 552 and 577 for inclusion in the latest 11bf draft?

**9.4.2.26 Extended Capabilites element**

***TGbf Editor: Please insert the following row at the end of Table 9-190 (Extended Capabilities field):***

|  |
| --- |
| * Extended Capabilities field
 |
| Bit | Information | Notes |
| 92 | FeedbackCapable | A STA sets the Feedback Capable to 1 if dot11FeedbackCapableImplemented is true and sets it to 0 otherwise. See 11.21.18.2 |
| 93 | ImmediateFeedback | A STA sets the Immediate Feedback to 1 if dot11ImmediateFeedbackImplemented is true and sets it to 0 otherwise. See 11.21.18.2 |

### 11.21.18.2 WLAN Sensing dependencies

***TGbf Editor: Please*** ***insert the following paragraph at the end of clause 11.21.18.2:***

A STA in which dot11FeedbackCapableImplemented is true shall set the Feedback Capable field of the Extended Capabilities element to 1, and shall set it to 0 otherwise. (#577)

A STA in which dot11ImmediateFeedbackImplemented is true shall set the Immediate Feedback field of the Extended Capabilities element to 1, and shall set it to 0 otherwise. (#577)

### Annex C

**ASN.1 encoding of the MAC and PHY MIB**

**C.3 MIB detail**

***TGbf editor: Please insert the following entry at the end of the following object as shown below:***

dot11WirelessMgmtOptionsEntry :: =

 SEQUENCE {

 …..

 dot11FeedbackCapableImplemented

 TruthValue,

 dot11ImmediateFeedbackImplemented

 TruthValue,

 }

dot11FeedbackCapableImplemented OBJECT\_TYPE

SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 “This is a capability variable. Its value is determined by the device capabilities. This attribute, when true, indicate that device is capable of providing a sensing feedback. The capability is disabled otherwise.”(#577)

dot11ImmediateFeedbackImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 “This is a capability variable. Its value is determined by the device capabilities. This attribute, when true, indicate that support for Immediate Feedback is implemented. The capability is disabled otherwise.”

::= {dot11WirelessMgmtOptionsEntry xx }(#577)**References:**

1. Draft P802.11bf\_D0.1