IEEE P802.11
Wireless LANs

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| Draft 2.0 Bug Fix: Comeback field |
| Date: 2023-09-13 |
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Abstract

This document aims to fix a bug on Comback field.

R0: Initial version

##### Discussion:

There is inconsistency in draft D2.0 regarding the rules for setting the Status Code field in the Sensing Measurement Response frame. In particular, the rules should also be applicable when the Sensing Measurement Request frame is addressed to an associated non-AP STA.

*TGbf Editor: Please revise Clause 11.55.1.4.1 (General) of D2.0 as follows.*

The Comeback field of the Sensing Comeback Info field within the Sensing Measurement Request frame

shall be reserved if any of the following is true:

— The frame is sent by a non-AP STA.

— The frame is sent by an AP and is addressed to a non-AP STA that is associated with this AP.

The Comeback field of the Sensing Comeback Info field within the Sensing Measurement Request frame shall be set to 0 if the frame is sent by an AP, it is addressed to an unassociated non-AP STA (see 11.55.1.4.2

(Sensing measurement session for unassociated STAs)), and it includes a Sensing Measurement Parameters

element (see 9.4.2.320 (Sensing Measurement Parameters element)).

The Comeback field of the Sensing Comeback Info field within the Sensing Measurement Request frame shall be set to 1 if the frame is sent by an AP, it is addressed to an unassociated non-AP STA (see 11.55.1.4.2

(Sensing measurement session for unassociated STAs)), and it does not include a Sensing Measurement Parameters element (see 9.4.2.320 (Sensing Measurement Parameters element)).

NOTE—The Comeback field is only applicable for sensing measurement sessions with unassociated non-AP STAs (see 11.55.1.4.2 (Sensing measurement session for unassociated STAs)).

Upon reception of a Sensing Measurement Request frame with the Comeback field of the Sensing Comeback Info field being reserved or set to 0, the sensing responder shall transmit a Sensing Measurement Response frame to the sensing initiator which transmitted the Sensing Measurement Request frame, according to the following rules:

* If the sensing responder accepts the requested sensing measurement session parameters in the received Sensing Measurement Request frame, it shall set the Status Code field to SUCCESS in the Sensing Measurement Response frame.
* If the sensing responder declines the requested sensing measurement session parameters in the received Sensing Measurement Request frame and provides its preferred sensing measurement parameters in the Sensing Measurement Response frame, it shall set the Status Code field to REJECTED\_WITH\_SUGGESTED\_CHANGES in the Sensing Measurement Response frame.
* If the sensing responder declines the requested sensing measurement session parameters in the received Sensing Measurement Request frame without providing its preferred sensing measurement parameters in the Sensing Measurement Response frame, it shall set the Status Code field to REQUEST\_DECLINED in the Sensing Measurement Response frame.

**SP:** Do you agree to the text change to Draft P802.11bf\_D2.0 proposed in document 11-23/1635r0?