IEEE P802.11
Wireless LANs

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| Proposed Draft Text for SENS Procedure: Overview |
| Date: 2022-01-13 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Claudio da Silva | Meta Platforms |  |  |  |
| Chris Beg | Cognitive Systems |  |  |  |
| Cheng Chen | Intel |  |  |  |
| Oscar Au | Origin Wireless |  |  |  |
| Rajat Pushkarna | Panasonic |  |  |  |
| Chaoming Luo | OPPO |  |  |  |
| Osama AboulMagd | Huawei |  |  |  |

Abstract

This document includes proposed draft text for the “SENS Procedure: Overview” sub-clause as defined in TGbf’s SFD.

**Discussion**

The “SENS Procedure: Overview” sub-clause as defined in r6 of TGbf’s SFD (21/0504r6) includes:

* An overview of the WLAN sensing procedure
* Definition of sensing roles: initiator/responder, transmitter/receiver
* Definition that a STA can assume multiple roles in a WLAN sensing procedure
* “Components” of a WLAN sensing procedure
* Examples of a WLAN sensing procedure

(To be completed)

**Contribution**

*Editor: Include the text below in Clause 11 of TGbf’s draft*

**11.21.X WLAN sensing (SENS) procedure**

**11.21.X.1 Overview**

A WLAN sensing procedure allows a STA to perform WLAN sensing and obtain measurement results.

A sensing initiator is a STA that initiates a WLAN sensing procedure. A sensing responder is a STA that participates in a WLAN sensing procedure initiated by a sensing initiator. A sensing transmitter is a STA that transmits PPDUs used for sensing measurements in a WLAN sensing procedure. A sensing receiver is a STA that receives PPDUs sent by a sensing transmitter and performs sensing measurements in a WLAN sensing procedure.

A STA can assume multiple roles in a WLAN sensing procedure. In a WLAN sensing procedure, a sensing initiator might be a sensing transmitter, a sensing receiver, both or neither. In a WLAN sensing procedure, a sensing responder might be a sensing transmitter, a sensing receiver, or both.

A WLAN sensing procedure is composed of one or more of the following: sensing session setup, sensing measurement setup, sensing measurement instance, sensing measurement setup termination, and sensing session termination.

A WLAN sensing procedure may be comprised of multiple sensing measurement instances.

Examples of WLAN sensing procedures are shown in Figure 1 and Figure 2.



**Figure 1: WLAN sensing procedure (example).**



**Figure 2: WLAN sensing procedure (example).**