IEEE P802.11  
Wireless LANs

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| Proposed Modifications to Subclause 3.2 | | | | |
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Abstract

This submission proposes modifications to subclause 3.2 required to:

* Extend existing definitions to include the DMG case.
* Add DMG-specific definitions.
* Fix bugs.

**Modifications**: Editor, change the existing text in 3.2 as follows:

**directional multi-gigabit (DMG)** **sensing:** The use of physical layer (PHY) and medium access control (MAC) features of DMG stations (STAs) to obtain measurements that may be useful to estimate features such as range, velocity, and motion of objects in an area of interest.

**directional multi-gigabit (DMG)** **sensing procedure:** A procedure that allows a DMG station (STA) to perform DMG sensing.

**sensing by proxy (SBP) initiator:** A non-access point (non-AP) non-directional multi-gigabit (non-DMG) station (STA) ~~STA~~ that transmits an SBP Request frame~~.~~ or a non-AP and non-personal basic service set (PBSS) control point (non-PCP) DMG STA that transmits a DMG SBP Request frame.

**sensing by proxy (SBP) responder:** ~~An~~ A non-directional multi-gigabit (non-DMG) access point (AP) that is the intended recipient of an SBP Request frame(#382,#244)~~.~~, or a DMG AP or DMG personal basic service set (PBSS) control point (PCP) that is the intended recipient of a DMG SBP Request frame.

**sensing initiator:** A non-directional multi-gigabit (non-DMG) station (STA) that initiates a wireless local area network (WLAN) sensing procedure by transmitting ~~the~~ a WLAN Sensing Measurement Setup Request frame(#94)~~.~~ or a DMG STA that initiates a DMG sensing procedure by transmitting a DMG Sensing Measurement Setup Request frame.

**sensing receiver:** A station (STA) that receives PPDUs sent by a sensing transmitter and obtains measurements in either a wireless local area network (WLAN) sensing procedure(#384)~~.~~ or a directional multi-gigabit (DMG) sensing procedure.

**sensing responder:** A non-directional multi-gigabit (non-DMG) station (STA) that participates in a wireless local area network (WLAN) sensing procedure by responding to a sensing initiator(#94, #892)~~.~~ or a DMG STA that participates in a DMG sensing procedure responding to a sensing initiator.

**sensing transmitter:** A station (STA) that transmits PPDUs used for measurements in a wireless local area network (WLAN) sensing procedure(#384) ~~.~~ or a directional multi-gigabit (DMG) sensing procedure.

**wireless local area network (WLAN) sensing:** The use of physical layer (PHY) and medium access control (MAC) features of non-directional multi-gigabit (non-DMG) stations (STAs) to obtain measurements that may be useful to estimate features such as range, velocity, and motion of objects in an area of interest(#383).

**wireless local area network (WLAN) sensing procedure:** A procedure that allows a non-directional multi-gigabit (non-DMG) station (STA) to perform WLAN sensing(#383).