IEEE P802.11  
Wireless LANs

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| LB 276 CR for Misc Comments | | | | |
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Abstract

This submission proposes resolutions for following 7 CIDs received for WG LB276:

3000, 3001, 3348, 3374, 3387, 3389, 3390

The proposed changes are based on 802.11bf D2.0

Revisions:

- Rev 0: Initial version of the document.

## CID 3000

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3000 | Robert Stacey | 4.11 | 20.09 | The first two sentences here are cumbersome and could be improved. Avoid the use of the normative "may" -- these statements are not testable. "Obtain measurements" is vague -- measurements of what? | Change to "WLAN sensing uses certain MAC and PHY features to make environmental measurements that could be used to estimate the range, velocity and motion of objects in an area of interest. These measurements might also support applications such as presence detect and gesture classification." | Revise  Agree in principle with specific wording.  TGbf editor: please incorporate changes shown in this document under the tag 3000. |

***TGbf editor: please make the following change in subclause 4.11, P20:***

WLAN sensing uses certain IEEE 802.11 PHY and MAC features to make environmental measurements that could be useful to estimate the range, velocity, and motion of objects in an area of interest. Measurements obtained with WLAN sensing might support applications such as presence detection and gesture classification. (#3000)

## CID 3001

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3001 | Robert Stacey | 4.11 | 20.15 | "are defined to enable" is unnecessary. Uncapitalize "Sensing" (the first procedure). | Change "Four procedures are defined to enable WLAN sensing: the sensing procedure..." to "WLAN sensing comprises four procedures: the sensing procedure..." | Revise  Agree in principle. But, the article “the” for listing the sensing procedures should not be included.  TGbf editor: please incorporate changes shown in this document under the tag 3001. |

***TGbf editor: please make the following change in subclause 4.11, P20:***

WLAN sensing comprises four procedures (#3001): sensing procedure (see 11.55.1 (Sensing procedure)), sensing by proxy (SBP) procedure (see 11.55.2 (SBP procedure)), DMG sensing procedure (see 11.55.3 (DMG sensing procedure)), and DMG SBP procedure (see 11.55.4 (DMG SBP procedure)).

## CID 3348

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3348 | Joseph Levy | 3.2 | 18.15 | CID 2259 from LB727, proposed to delete the definition for DMG sensing procedure and was agreed.  However the definition is still present.  Why? | Delete the definition DMG sensing procedure. | Reject  The proposed change (“Delete the definition for DMG sensing procedure”) in CID 2259 of LB 272 (not 727) was rejected and the rejection was agreed. |

## CID 3374

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3374 | Henry Ptasinski | 3.2 | 18.10 | "High-efficiency (HE) station" and "extremely high throughput (EHT) STA" are used inconsistently in sensing definitions, e.g. missing from "directional multi-gigabit (DMG) sensing", "sensing receiver" and "sensing transmitter". Also, since an EHT STA is required to be an HT STA as well, including both is redundant. For comparison, "DMG" is used without also listing "EDMG". | Remove both HT STA and EHT STA qualifiers from the sensing definitions. | Reject  According to the DMG sensing definition, HE or EHT STAs do not participate in DMG sensing.  An HE, EHT, or DMG STA may function as a sensing receiver and/or a sensing transmitter. There is no need to specify the type of STA (HE, EHT, or DMG) in sensing transmitter and sensing receiver definitions.  While it is true that an EHT STA is also an HE STA, the sensing procedure allows an HE STA, which is NOT an EHT STA, to perform sensing. Therefore, they should be named separately in the definition of the sensing procedure. |

## CID 3387, 3389, 3390

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3387 | James Yee | 3.4 | 19.15 | "TF" as an abbreviation introduces potential ambiguities since TF appears in other abbreviations such as LTF. It is better to not define this abbreviation. | As suggested. | Reject  Readers should understand this abbreviation (as well as any others) based on the content of the sentences/paragraphs where these abbreviations are used in the specification. Currently, there is no place where these two terms (TF and LTF) might be confused. |
| 3389 | James Yee | 3.4 | 19.06 | "NDPA" may be confused with "NDP Ack". It is better to not define this abbreviation. | As suggested. | Reject  NDPA has never been defined or used for “NDP Ack” in 802.11 specifications. There should be no confusion using the current definition. |
| 3390 | James Yee | 4.11 | 20.10 | "may be useful to estimate features" sounds more like a marketing description than spec text. Range, velocity, and motion are also more commonly referred to as physical attributes of an object. | Replace with "can be used to estimate physical attributes" here and elsewhere. | Revise  This sentence has been changed in the resolution for CID 3000 in this document. |