IEEE P802.11
Wireless LANs

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| LB276 CR for OST related editorial CIDs |
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| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Atsushi Shirakawa | Sharp Corporation |  |  | shirakawa.atsushi@ieee.org |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for CID 3003, 3004, 3005, 3006, 3032, 3033, 3034, 3068, 3071, 3081, 3093, 3094, 3131, 3213, 3340, 3342, 3398, 3399, 3404, 3480, 3481, 3487 received for TGbf LB276

Revisions:

- Rev 0: Initial version of the document.

- Rev 1:

- Rev 2:

- Rev 3:

TGbe editor: The baseline for this document is basically 11bf D2.0

**Part1:**

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3093 | Pei Zhou | 136.65 | Change "Measurement Query frame" to "Sensing Measurement Query frame". | As in comment. | Accepted.Terminology “Measurement Query frame” is not defined, replace it with “Sensing Measurement Query frame” |
| 3094 | Pei Zhou | 137.46 | Change "Sensing Measurement Session Query frame" to "Sensing Measurement Query frame". | There are many other places (e.g., P137 L59) have this issue, please check and fix them. | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “ Sensing Measurement Query”.Same modification is needed on P.L. 137.59, 140.50. |
| 3340 | Chris Beg | 137.46 | "Sensing Measurement Session Query frame" is undefined, and should be "Sensing Measurement Query frame". | As in comment | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3342 | Chris Beg | 140.50 | "Sensing Measurement Session Request frame" is undefined, and should be "Sensing Measurement Request frame". | As in comment | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3398 | Mahmoud Kamel | 137.46 | Change to "Sensing Measurement Query frame | As in comment | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3399 | Mahmoud Kamel | 137.59 | Change to "Sensing Measurement Query frame | As in comment | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3404 | Mahmoud Kamel | 140.50 | Change to "Sensing Measurement Request frame | As in comment | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3480 | narengerile narengerile | 137.46 | Typo | Delete "Session" | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3481 | narengerile narengerile | 137.59 | Typo | Delete "Session" | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |
| 3487 | narengerile narengerile | 140.50 | Typo | Delete "Session" | Accepted.Terminology “Sensing Measurement Session Query” is not defined, replace it with “Sensing Measurement Query”.Same as CID 3094 |

**Part2:**

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3131 | Sang Gook Kim | 142.11 | Typo | Change MS timer to "SMS timer" in Figure 11-75a. | Accepted There is no definition for “MS timer” and it should be corrected to “SMS timer” according to the description P141 L58-L61 |
| 3213 | Atsushi Shirakawa | 142.11 | What is the "MS timer" ? Is this typo of "SMS timer" ? | As in comment | Accepted There is no definition for “MS timer” and it should be corrected to “SMS timer”according to the description P141 L58-L61Same as CID 3131 |

**Part3:**

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3003 | John Wullert | 135.20 | The text refers to Nb with no indication of what if refers to. Nb, as a variable, is not included in the definitions. This makes it very hard for the reader to understand what is going on. | change "A sensing STA shall support Nb" to "A sensing STA shall support a number of quantized bits, Nb..." | Rejected.It is clear *Nb*  means “a number of bits for each CSI value” if you refer to Table 9-127h according to original description. |
| 3004 | John Wullert | 135.20 | The text refers to Ng with no indication of what Ng refers to. Ng, as a variable, is not included in the definitions. This makes it very hard for the reader to understand what is going on. | change "A sensing STA that supports receiving up to four spatial streams shall support an Ng..." to "A sensing STA that supports receiving up to four spatial streams shall support a subcarrier grouping, Ng" | Rejected.It is clear *Ng*  means “subcarrier grouping setting” if you refer to Table 9-127h according to original description. |
| 3005 | John Wullert | 135.29 | The text refers to Ng with no indication of what Ng refers to. Ng, as a variable, is not included in the definitions. This makes it very hard for the reader to understand what is going on. | change "A sensing STA that supports receiving five or more spatial streams shall support an Ng..." to "A sensing STA that supports receiving five or more spatial streams shall support a subcarrier grouping, Ng" | Rejected.It is clear *Ng*  means “subcarrier grouping setting” if you refer to Table 9-127h according to original description.same as CID 3004 |
| 3006 | John Wullert | 135.35 | The text refers to Ng with no indication of what Ng refers to. Ng, as a variable, is not included in the definitions. This makes it very hard for the reader to understand what is going on. | change "A sensing STA that supports receiving five or more spatial streams shall support an Ng..." to "A sensing STA that supports receiving five or more spatial streams shall support a subcarrier grouping, Ng" | Rejected.It is clear *Ng*  means “subcarrier grouping setting” if you refer to Table 9-127h according to original description.same as CID 3004 |

**Part4:**

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3032 | Robert Stacey | 135.21 | Use equations when referencing variables. | Change to "A sensing STA shall support both N\_b = 8 and N\_b = 10 in the Sensing Measurement Report frame (see Table...). | Accepted. |
| 3033 | Robert Stacey | 135.24 | Use equations when referenced variables. "may optionally" is redundant; may along indicates optionality. | Change to "A sensing STA that supports receving up to four spatial streams shall support N\_g = 4 and may support N\_g = 16 in a Sensing Measurement Report frame (see Table...)." | Revised.Proposal is basically accepted except for following items.(1) “a Sensing Measurement Report frame” should be “the Sensing Measurement Report frame” |
| 3034 | Robert Stacey | 135.29 | Use equations when referencing variables. "may optionally" is redundant; may along indicates optionality. The conditions for support here are not clear -- the tacked on an "if" clause is ambiguous. | Change to "A sensing STA that supports receiving 5 or more spatial streams shall support N\_g = 4 and may support N\_g = 16 in a Sensing Measurement Report frame that results from an SI2SR, SR2SI or SR2SR NDP where the bandwidth is greater less than or equal to 80 MHz." Similalry for statement at 135.35 | Revised.Proposal is basically accepted except for following items.(1) “5 or more” should be “five or more”,(2) “a Sensing Measurement Report frame” should be “the Sensing Measurement Report frame”(3) “is greater less than” should be “is less than”  |
| 3071 | You-Wei Chen | 135.26 | May optionally-> may | May optionally-> may | Accepted.Same thing is pointed out in CID 3033 and accepted. |

*TGbf Editor: Please modify P135L21 as follows: The baseline for this document is 11bf D2.0 (CID3032)*

A sensing STA shall support *Nb* = 8 and *Nb* = 10 in the Sensing Measurement Report frame (see Table 9-127h (Sensing Measurement Report Control field definition)) ~~values of 8 and 10 in the Sensing Measurement Report frame.~~

*TGbf Editor: Please modify P135L24 as follows: The baseline for this document is 11bf D2.0 (CID3033, CID3071)*

A sensing STA that supports receiving up to four spatial streams shall support ~~an~~ *Ng* = 4 ~~(see Table 9-127h(Sensing Measurement Report Control field definition)) value of 4~~ and may ~~optionally~~ support ~~an~~ *Ng* = 16 ~~value of 16~~ in the Sensing Measurement Report frame (see Table 9-127h(Sensing Measurement Report Control field definition)).

*TGbf Editor: Please modify P135L29 as follows: The baseline for this document is 11bf D2.0 (CID3034)*

A sensing STA that supports receiving five or more spatial streams shall support ~~an~~ *Ng* = 4 ~~value of 4~~ and may ~~optionally~~ support ~~an~~ *Ng* = 16 ~~value of 16~~ in the Sensing Measurement Report frame ~~if the bandwidth of the~~ that results from an SI2SR, SR2SI, or SR2SR NDP ~~used to obtain the reported sensing measurement~~ where the bandwidth is less than or equal to 80MHz.

*TGbf Editor: Please modify P135L35 as follows: The baseline for this document is 11bf D2.0 (CID3034)*

A sensing STA that supports receiving five or more spatial streams shall support ~~an~~ *Ng* = 8 ~~value of 8~~ and may ~~optionally~~ support ~~an~~ *Ng* = 16 ~~value of 16~~ in the Sensing Measurement Report frame ~~if the bandwidth of the~~ that results from an SI2SR, SR2SI, or SR2SR NDP ~~used to obtain the reported sensing measurement~~ where the bandwidth is greater than or equal to 160 MHz.

**Part5:**

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| CID | Commenter | Page | Comment | Proposed Change | Resolution |
| 3081 | Dong Wei | 136.16 | Add two more "between"s to the description of the parameter "aSensingFrameExchangeExpiry" | The description should be revised as: "The maximum time interval between thereception of a Sensing MeasurementRequest frame and the transmission ofthe corresponding Sensing MeasurementResponse frame, between the reception of aSensing Measurement Query frame andthe transmission of the correspondingSensing Measurement Request frame, orbetween the reception of a Sensing MeasurementQuery frame and the transmission of thecorresponding Sensing MeasurementTermination frame." | Accepted. |

*TGbf Editor: Please modify P136L16 as follows: The baseline for this document is 11bf D2.0*

The maximum time interval between the reception of a Sensing Measurement Request frame and the transmission of the corresponding Sensing Measurement Response frame, between the reception of a Sensing Measurement Query frame and the transmission of the corresponding Sensing Measurement Request frame, or between the reception of a Sensing Measurement Query frame and the transmission of the corresponding Sensing Measurement Termination frame.

**Part6:**

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| CID | Commenter | Page | Comment | Proposed Change | Resolution |
| 3068 | Rojan Chitrakar | 112.15 | Is the 5-bits reserved field also part of the Measurement Session ID or just the 3 bits Measurement Session ID? If its the latter, this needs to be clarified and the Measurement Session ID field defined separately. | Define the Measurement Session ID field. | AcceptedMeasurement Sesstion ID field is defined as one (sub)field in Measurement Session ID indication field.TGbf editor: make changes as Option2 in doc.: 11-23/1474r0  |

**Discussion:**

**Reference:**

 Below is cited from 11bf D2.0

 (1) Measurement Session ID indication field format



 (2) Measurement Session ID field format



**Option1: Aligne with way of DMG Measurement Session ID field format**

If this Option1 is proper, replace all term “Measurement Session ID Indication field” with “Measurement Session ID field” thoruhgout 11bf D2.0.

Below is an example for the part commenter indicated (P112L15).

The Measurement Session ID ~~Indication~~ field indicates a Measurement Session ID that identifies assigned

operational parameters in the Sensing Measurement Parameters element to be used in the corresponding

sensing measurement exchanges. The Measurement Session ID ~~Indication~~ field is reserved if the Comeback

field of the Sensing Comeback Info field is set to 1 in a (Protected) Sensing Measurement Request frame

addressed to an unassociated non-AP STA by an AP. The Measurement Session ID ~~Indication~~ field is

defined in Figure 9-1137c (Measurement Session ID Indication field format).



Figure 9-1137c— Measurement Session ID ~~Indication~~ field format

**Option2: Keep field name “Measurement Session ID Indication field”**

*TGbf Editor: Please modify P136L16 as follows: The baseline for this document is 11bf D2.0*

The Measurement Session ID Indication field is defined in Figure 9-1137c (Measurement Session ID Indication field format). The Measurement Session ID ~~Indication~~ field indicates a Measurement Session ID that identifies assigned

operational parameters in the Sensing Measurement Parameters element to be used in the corresponding

sensing measurement exchanges. The Measurement Session ID Indication field is reserved if the Comeback

field of the Sensing Comeback Info field is set to 1 in a (Protected) Sensing Measurement Request frame

addressed to an unassociated non-AP STA by an AP. ~~The Measurement Session ID Indication field is~~

~~defined in Figure 9-1137c (Measurement Session ID Indication field format).~~



Figure 9-1137c— Measurement Session ID Indication field format