IEEE P802.11
Wireless LANs

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| 11az Comment Resolution CID 5 |
| Date: 2019-01-12 |
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Abstract

This submission proposes the commentre resolution of CID 5.

Revisions:

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Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGaz Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGaz Editor: Editing instructions preceded by “TGaz Editor” are instructions to the TGax editor to modify existing material in the TGaz draft. As a result of adopting the changes, the TGaz editor will execute the instructions rather than copy them to the TGaz Draft.***

**The text preceded by “Discussion” is not part of the adopted changes.**

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5 | 20 | 9.3.1.20 | Change TBD to RSTA | As per comment | **Revised**Discussion: The commenter is right that in the Secure TB Sounding case there is no explicit Sounding Dialog Token. Other ovservation is that the usage of the Sounding Dialog Token field is not defined in non-TB and TB NDP ranging procedure.TGaz editor, please make changes as shown in doc 11-19/0158r1 under CID 5 |

**9.3.1.19 VHT/HE/Ranging NDP Announcement frame format**

***TGaz editor: change 9.3.1.19 as follows(there is no change to the text that is not shown):***

……

(#5)The Sounding Dialog Token Number field in the Sounding Dialog Token field contains a value in the range of 0 to 63 which identifies a ranging NDP exchange (DL NDP frame and UL NDP frame announced by a Ranging NDP Announcement in non-TB ranging or UL NDP frames + DL NDP frame announced by Sounding Trigger frame + NDP Announcement frame in TB ranging) for the unsecured range measurement. The Sounding Dialog Token Number field is reserved for the secured range measurement.

……

**9.6.7.37 Location Measurement Report frame format**

***TGaz editor: change 9.6.7.37 as follows(there is no change to the text that is not shown):***

……

(#5) The Dialog Token field matches the the location measurement report to the the NDP exchange which is used for the reported measurement.

……

**1.22.6.4.4 Measurement Phase in Non-TB Mode**

**11.22.6.4.4.2 Non-TB Measurement Sounding Part**

***TGaz editor: add the following paragraph after 4th paragraph in 11.22.6.4.4.2:***

(#5) The ISTA maintains a sounding dialog token counter modulo 64 for each RSTA corresponding to a non-TB Ranging session. The value in the counter is filled in the Sounding Dialog Token Number subfield in its transmitted Ranging NDP Announcement frame. The sounding dialog token counter shall be increased by 1 after each new transmitted Ranging NDP Announcement frame.

**11.22.6.4.4.3 Non-TB Ranging Measurement Reporting Part**

***TGaz editor: add the following text at the end of 11.22.6.4.4.3:***

**(#5)** TheDialog Token field shall be copied from the Sounding Dialog Token subfield in the Ranging NDP Announcement frame whose NDP exchange is used for the reported measurement

**11.22.6.4.3 Measurement Exchange in TB Mode**

**11.22.6.4.3.3 TB Ranging Measurement Sounding Part**

***TGaz editor: add the following paragraph after 3th paragraph in 11.22.6.4.3.3:***

(#5) The RSTA maintains one sounding dialog token counter modulo 64 for each TB Ranging session. The value in the counter is filled in Sounding Dialog Token Number field in its transmitted Ranging NDP Announcement frame. The sounding dialog token counter value is chosen by the RSTA to help the ISTAs keep track of their measurements and feedback.

**11.22.6.4.3.4 TB Ranging Measurement Reporting Part**

***TGaz editor: add the following paragraph after 3th paragraph in of 11.22.6.4.3.4:***

(#5) The Dialog Token field in all LMR frames shall be copied from the Sounding Dialog Token field in the corresponding Ranging NDP Announcement frame whose NDP exchange from which the reported ToA and ToD values were measured (see 11.22.6.4.3 Measurement Exchange in TB Mode).