IEEE P802.11  
Wireless LANs

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| Comment Resolution SA1 – Various Part 3 | | | | |
| Date: 2022-01-06 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Christian Berger | NXP | 350 Holger Way, San Jose, CA |  | [christian.berger@nxp.com](mailto:christian.berger@nxp.com) |
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Abstract

This submission proposes the comment resolution of CIDs 7052, 7279, 7281; as part of SA1, changes are relative to Draft 4.0.

Revisions:

1. Add link to document, clarify editor instructions on accepted CIDs

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 TGaz 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** |
| **7052** | 78.19 | 9.4.2.298 | "The Immediate R2I Feedback subfield is reserved in the IFTMR frame. In the IFTM frame the Immediate R2I Feedback field is set to 1 to indicate that the R2I LMR will be immediate feedback and to zero to indicate delayed feedback. The Immediate I2R Feedback field in the IFTMR frame is set to 1 to indicate immediate feedback in the I2R LMR and is set to 0 to indicate delayed feedback. In the IFTM frame the Immediate I2R Feedback field is set to the same value as in the IFTMR frame." | This should be normative text, move to 11.21.6.3.3 and use "shall" statements | **Revised**  TGaz editor, make changes depicted in  https://mentor.ieee.org/802.11/dcn/22/11-22-0149-01-00az-comment-resolution-sa1-various-part-3.docx |
| **7279** | 130.34 | 11.21.6.3.3 | "a set of range measurement parameters in a Ranging Parameters element that describe the ISTA’s availability for measurement exchange." - what are range measurement parameters and how do they describe the ISTA's availability? | Change to "a set of scheduling parameters in a Ranging Parameters element that describe the ISTA’s availability for measurement exchange." | **Accepted** |
| **7281** | 131.29 | 11.21.6.3.3 | "The value of this field is larger than the assigned periodicity signaled in the Periodicity subfield in the Availability Window Information field in the TB ranging Specific subelement." make it a shall statement | Change to "The value of this field shall be larger than the assigned periodicity signaled in the Periodicity subfield in the Availability Window Information field in the TB ranging Specific subelement." | **Accepted** |
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11.21.6.3.3 Negotiation for TB and non-TB ranging measurement exchange

TGaz Editor: For reference the accepted changes from CID 7279 are shown below (text on page 130 starting at line 34)

For TB and non-TB ranging Measurement exchange the IFTMR frame shall have:

— the Trigger field set to 1,

— a set of scheduling parameters in a Ranging Parameters element that describe the ISTA’s availability for measurement exchange. (#**1478, #7279**)

For TB and non-TB ranging measurement exchange the IFTM frame shall include a Ranging Parameters element containing either the Non-TB Specific subelement or the TB Specific subelement. (#**1479**)

TGaz Editor: For reference the accepted changes from CID 7281 are shown below (text on page 131 starting at line 26)

When the RSTA includes a TB-specific subelement in an IFTM frame and the Status Indication field in the IFTM frame is equal to 1, the RSTA shall assign the value of the Max Session Exp field in the TB Ranging Specific subelement in the Ranging Parameters element in the initial FTM frame. The value of this field shall be larger than the assigned periodicity signaled in the Periodicity subfield in the Availability Window Information field in the TB ranging Specific subelement (#1475, #7281).

TGaz Editor: Change the text on page 132 starting at line 11 as follows

* Maximum number of space-time streams it is capable of receiving in the R2I NDP for bandwidths greater than 80 MHz, in the Max R2I STS > 80 MHz subfield.
* Maximum number of space-time streams it is capable of transmitting in the I2R NDP for bandwidths less than or equal to 80 MHz, in the Max I2R STS ≤ 80 MHz subfield.
* Maximum number of space-time streams it is capable of transmitting in the I2R NDP for bandwidths greater than 80 MHz, in the Max I2R STS > 80 MHz subfield.
* Maximum number of LTFs in total it is capable of receiving, including all repetitions, in the R2I NDP, in the Max R2I LTF Total subfield.
* Maximum number of LTFs in total it is capable of transmitting, including all repetitions, in the I2R NDP, in the Max I2R LTF Total subfield.
* Immediate or delayed feedback in the I2R LMR by setting the Immediate I2R Feedback subfield to 1 or 0 respectively. (#7052)

TGaz Editor: Add the following paragraphs on page 134 starting at line 30 as follows

* In the Max I2R STS ≤ 80 MHz subfield, either the maximum number of space-time streams it is capable of receiving in the I2R NDP for bandwidths less than or equal to 80 MHz, or the value in the corresponding IFTMR frame, whichever is smaller (referred to as RSTA Assigned I2R STS ≤ 80 MHz).
* In the Max I2R STS > 80 MHz subfield, either the maximum number of space-time streams it is capable of receiving in the I2R NDP for bandwidths greater than 80 MHz, or the value in the corresponding IFTMR frame, whichever is smaller (referred to as RSTA Assigned I2R STS > 80 MHz).
* In the Max R2I LTF Total subfield, either the maximum number of LTFs in total it is capable of transmitting, including all repetitions, in the R2I NDP, or the value in the corresponding IFTMR frame, whichever is smaller (referred to as RSTA Assigned R2I LTF Total).
* In the Max I2R LTF Total subfield, either the maximum number of LTFs in total it is capable of receiving, including all repetitions, in the I2R NDP, or the value in the corresponding IFTMR frame, whichever is smaller (referred to as RSTA Assigned I2R LTF Total). (#**3700**)
* Immediate or delayed feedback in the R2I LMR by setting the Immediate R2I Feedback subfield to 1 or 0 respectively. (#7052)