IEEE P802.11
Wireless LANs

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| **TGbn D0.1 Comment Resolution for some general comments** |
| **Date:** 2025-07-18 |

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Abstract

This submission proposes resolutions for the following 8 CIDs received for TGbn CC50 Comment Resolution:

* 2904, 2926,2967,2979,3021,3042,3091,3127

Revisions:

- Rev 0: Initial version of the document.

- Rev 1: Fixed typo in Header

- Rev 2: Revised based on feedback from Mark RISON and Kiseon Ryu.

- Rev 3: Fixed type in ‘Resolution’ columm

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

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

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| **CID** | **Comm****enter** | **Cate****gory** | **Comment** | **Proposed Change** | **Resolution** |
| 2904 | Mark RISON | G | There are references to "frequency subblock" but aren't these normally called "subchannel"? | As it says in the comment | Rejected.Frequency subblocks have various BW units, but cannot be changed because the subchannel is used only in units of 20MHz (@2.4/5/6 GHz) |
| 2926 | Mark RISON | G | There are a bunch of "reserved and set to 0", but the definition of "reserved" is "set to 0" | Delete all the "and set to 0"s in the MAC clauses | Revised. Note that it has already been fixed in D0.3. TGbn editor to make no change. |
| 2967 | Mark RISON | G | "low latency" when used as an adjective (e.g. when followed by "traffic") should have a hyphen | As it says in the comment | RevisedAgree in principle. TGbn editor: please implement changes as shown in this document(1149r3) tagged #2967 |
| 2979 | Mark RISON | G | There are a number of "the yyy as defined in xxx" that should be just "the yyy defined in xxx" | As it says in the comment | RevisedAgree in principle. TGbn editor: please implement changes as shown in this document(1149r3) tagged #2979 |
| 3021 | Mark RISON | G | The terms "DPS STA" and "DPS assisting STA" are very confusing, especially the latter | Rename to "DPS-entering STA" and "DPS peer STA", for example | RejectedWill wait for group consensus to update this term in the future  |
| 3042 | Mark RISON | G | "and/or" should not be used, as it is ambiguous (is it and or is it or?) | As it says in the comment | RejectedThe expression “and/or” is also widely used in 802.11-2024. A and/or B are commonly used as “A”, “B”, or “both A and B”. |
| 3091 | Mark RISON | G | Is it "unavailability period" or "unavailability service period" (or even "period of time")? | As it says in the comment | Rejected."unavailability period" was modified to "unavailability time window" by 437r17, adding a description of the time window.The “unavailability service period” has a description of the corresponding service period added by 508r3. |
| 3127 | Mark RISON | G | "Distributed-tone" should be lowercase (except at start of sentence etc.) | As it says in the comment | Revised. Note that it has already been fixed in D0.3. TGbn editor to make no change. |

**Propose:**

***TGbn editor: Please note that the baseline is 11bn D0.3***

***TGbn editor: Please modify the subclause 3.4 Abbreviations and acronyms as follows***

**3.4 Abbreviations and acronyms**

LLI (#2967)low-latency indication

***TGbn editor: Please modify the subclause 37.22 Low Latency as follows***

**37.22 (#2967)Low-Latency Indication**

**37.22.1 General**

(#2967)Low-latency indication (LLI) enables a TXOP responder to inform the TXOP holder regarding its (#2967)low-latency needs. The (#2967)low-latency needs are related to pending buffered (#2967)low-latency traffic between the TXOP responder and the TXOP holder. The detailed definition of low latency needs is TBD.

A STA that supports (#2967)low-latency indication shall have dot11LowLatencyIndicationActivated equal to true and shall set the Low Latency Indication Support field of the UHR MAC Capability Information field of the UHR Capability element to 1.

A TXOP responder non-AP STA may indicate its (#2967)low-latency needs to the TXOP holder in a TBD control response frame sent to the TXOP holder if the TXOP holder has set the Low Latency Indication Support field of transmitted UHR Capabilities elements to 1. Upon receiving the (#2967)low-latency indication in the control response frame, the TXOP holder should consider the (#2967)low-latency indication in determining subsequent actions within the current TXOP or subsequent TXOPs. The subsequent actions taken by the TXOP holder after receiving the (#2967)low-latency indication are out of scope of the standard.

Whether a TXOP responder AP may indicate its (#2967)low-latency needs to a TXOP holder non-AP STA is TBD.

***TGbn editor: Please modify the subclause 9.4.2.aa3.2.1 General as follows***

**9.4.2.aa3.2.1 General**

The MAPC Request Parameter Set field carries parameters specific to a request and is optionally included as defined in Table (#2979)9-aa14-MAPC Scheme Request field format. The format of the MAPC Request Parameter Set field is defined for each MAPC scheme in 9.4.2.aa3.2.2 (Co-BF profile), 9.4.2.aa3.2.3 (Co-SR profile), 9.4.2.aa3.2.4 (Co-TDMA profile), and 9.4.2.aa3.2.5 (Co-RTWT profile), respectively.

***TGbn editor: Please modify the subclause 9.6.7.64 MAPC Discovery Request frame format as follows***

**9.6.7.64 MAPC Discovery Request frame format**

The MAPC Discovery Info field carries a MAPC element as defined in 9.4.2.aa3 (MAPC element).

***TGbn editor: Please modify the subclause 38.1.1 Introduction to the UHR PHY as follows***

**38.1.1 Introduction to the UHR PHY**

The UHR PHY continues support for DL OFDMA, UL OFDMA, DL MU-MIMO, and UL MU-MIMO as

defined in (#2979)Clause 36 (Extremely high throughput (EHT) PHY specification). Preamble puncturing as defined in (#2979)Clause 36 (Extremely high throughput (EHT) PHY specification)continues to be supported for the UHR MU PPDU, for both OFDMA and non-OFDMA.

The UHR PHY provides support for unequal modulation in beamformed multistream MIMO(#2551), in which different spatial streams within a PPDU can use different modulation orders. This new feature is designed to improve data rates in MIMO channels where imbalances in per-stream SNR exist and(#2552) can be used alongside the existing method of equal modulation transmit beamforming, as defined in (#2979)Clause 36 (Extremely high throughput (EHT) PHY specification).

***TGbn editor: Please modify the subclause 38.3.15.9.3 Common field for OFDMA transmission as follows***

**38.3.15.9.3 Common field for OFDMA transmission**

For an MU-MIMO allocation of RU and MRU sizes as defined in 38.3.15.9.3 (#2979) (Common field for OFDMA transmission) in an OFDMA transmission, the dynamic split of User fields between UHR-SIG content channel 1 and UHR-SIG content channel 2 is decided by the AP (on a per case basis) and signalled by the AP using the RU Allocation subfields in each UHR-SIG content channel. The dynamic split of User fields can be different in each 80 MHz frequency subblock if the bandwidth of the PPDU is greater than or equal to 160 MHz