IEEE P802.11  
Wireless LANs

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| **Specification Framework for TGbn** | | | | |
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Abstract

This document provides the framework from which the draft TGbn amendment will be developed. The document provides an outline of each the functional blocks that will be a part of the final amendment. The document is intended to reflect the working consensus of the group on the broad outline for the draft specification. As such it is expected to begin with minimal detail reflecting agreement on specific techniques and highlighting areas on which agreement is still required. It may also begin with an incomplete feature list with additional features added as they are justified. The document will evolve over time until it includes sufficient detail on all the functional blocks and their inter-dependencies so that work can begin on the draft amendment itself.

# Revision history

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| --- | --- | --- |
| Revision | Date | Changes |
| 0 | Jan 25, 2024 | Initial version |

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# Abbreviations and acronyms

DRU distributed-tone RU

MAC medium access control

MLD multi-link device

PHY physical layer

TB trigger-based

UHR ultra high reliability

# UHR PHY



## General

This section describes the functional blocks in the UHR PHY.

## Distributed-tone RU

* 11bn supports a distributed-tone RU (DRU) for a TB PPDU transmission
  + The DRU means an RU which consists of subcarriers spreading across a certain bandwidth

[Motion #1, [1] and [2]]

## PHY feature #2

Description for PHY feature #2

# UHR MAC



## General

This section describes the functional blocks in the UHR MAC.

## Roaming

* 11bn defines a mechanism that enables a non-AP MLD to roam from one AP MLD to another AP MLD and the non-AP MLD remains in state 4 (see 11.3) during and after roaming to the other AP MLD

[Motion #2, [1] and [3]]

## MAC feature #2

Description for MAC feature #2

# Frame format



## General

This section describes the frame formats.

## Field #1

Description for Field #1

# References

1. [11-24-0171r3](https://mentor.ieee.org/802.11/dcn/24/11-24-0171-03-00bn-tgbn-motions-list-part-1.pptx): 11-24-0171-03-00bn-tgbn-motions-list-part-1, Alfred Asterjadhi, Qualcomm Inc.
2. [11-23/1919r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1919-01-00bn-dru-proposal.pptx): 11-23-1919-01-00bn-dru-proposal, Eunsung Park, LG Electronics
3. [23/1884r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1884-02-00bn-seamless-roaming.pptx), [23/1898r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1898-01-00bn-signaling-details-for-non-colocated-ap-mld.pptx), [23/1908r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1908-02-00bn-seamless-roaming-procedure.pptx), [23/1937r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1937-01-00bn-smooth-roaming-follow-up-1.pptx), [23/1971r2,](https://mentor.ieee.org/802.11/dcn/23/11-23-1971-02-00bn-further-thoughts-on-seamless-roaming.pptx) [23/1996r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1996-00-00bn-improve-roaming-between-mlds.pptx), and [23/2157r2](https://mentor.ieee.org/802.11/dcn/23/11-23-2157-02-00bn-seamless-roaming-within-a-mobility-domain.pptx).