IEEE P802.11  
Wireless LANs

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| PDT Coordinated Spatial Reuse Update | | | | |
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Abstract

This document contains Proposed Draft Text (PDT) for the coordinated spatial reuse feature of the TGbn (UHR, Ultra High Reliability) amendment to the 802.11 standard.

Revisions:

* Rev 0: Initial version of the document.
* **Introduction**

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 TGbn Draft. The abstract, revision information, introduction, explanation of the proposed changes and references sections are not part of the adopted material.

***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).***

**Explanation of the proposed changes:**

The proposed changes to the 802.11 TGbn draft within this document are based on the following motions adopted by the TGbn task group:

**Relevant passed motions:**

[Motion #455]

**Move to add to the TGbn SFD the following:**

* During Co-SR invite and Co-SR response exchange, sharing AP indicates single intended PHY version for its own PPDU in the upcoming Co-SR transmission. Shared AP responds with single intended PHY version for its own PPDU in the upcoming Co-SR transmission, if it accepts the invitation.

[Motion #456]

**Move to add to the TGbn SFD the following:**

* In Co-SR Trigger frame, the PHY version of PPDU 1 and the PHY version of PPDU 2 are indicated.
  + How to signal is TBD

# Text to be adopted begins here:

***Instruction to TGbn editor: Please add the following text to the 802.11bn draft D0.3***

**37.13.2.2 Coordinated spatial reuse**

**37.13.2.2.1 General**

**37.13.2.2.2 Coordinated spatial reuse negotiation**

The coordinating AP shall indicate the intended PHY version of the PPDU that will be transmitted by the coordinating AP in the Co-SR Invite frame.

The coordinated AP shall indicate the intended PHY version of the PPDU that will be transmitted by the coordinated AP in the Co-SR Response frame if Co-SR invitation is accepted.

Coordinating AP shall indicate the PHY version of the PPDU transmitted by the coordinating AP and the PPDU version of the PPDU transmitted by the coordinated AP in the Co-SR Trigger frame

**38.3.22 Coordinated spatial reuse**

**38.3.22.2 Supported Co-SR Modes and PPDU types**

UHR Co-SR supports two modes of operation. Mode 1 supports transmitting of UHR MU PPDU and EHT MU PPDU from participating APs. Mode 2 supports transmitting of UHR MU PPDU from all the participating APs. The content of the UHR preamble across all the PPDUs transmitted by the participating APs shall be as described in 38.3.15 (UHR Preamble).

The mode of operation is selected by the coordinating AP according to the PHY version of the PPDU transmitted by the coordinating AP and the PPDU version of the PPDU transmitted by the coordinated AP in the Co-SR Invite frame and the Response frame as defined in 37.13.2.2 (Coordinated Spatial Reuse).

PHY version of the PPDU transmitted by the coordinating AP and the PPDU version of the PPDU transmitted by the coordinated AP shall be indicated by the coordinating AP in Co-SR Trigger frame.