IEEE P802.11  
Wireless LANs

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| PDT MAC Coordinated Spatial Reuse | | | | |
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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 #29]

**TGbn defines a multi-AP Coordinated Spatial Reuse (Co-SR) at TXOP-level with power control.**

# Text to be adopted begins here:

**3.2 Definitions specific to IEEE Std 802.11**

**coordinated spatial reuse:** [Co-SR] A procedure that enables APs in the same neighborhood to perform concurrent transmissions on the same channel through transmit power control by the sharing AP.

**37.9 Coordinated spatial reuse**

**37.9.1 General**

The objective of coordinated spatial reuse (Co-SR) is to allow more efficient medium usage by concurrent transmissions of multiple APs using transmit power control. The Co-SR transmission is initiated by an AP that obtains a TXOP. How to initiate a Co-SR transmission is TBD.