

## 802.19 Coexistence TAG Liaison Report to IEEE 802.16 Closing Plenary, Session #54

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#### Base Document:

#### Purpose:

802.19 Coexistence Technical Advisory Group Liaison Report to IEEE 802.16 Closing Plenary Session #54 March 2008, Orlando Fl.

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# Overview

- The purpose of this Liaison Report
- Activities this week
- Detail of work items:
  - Areas of discussion
  - Achievements between Plenary meetings: November 2007 - March 2008
  - Achievements for this week
  - Next steps
  - Timelines for document approval

Liaison report approved in 802.19 Coexistence TAG  
Wednesday 19 March 2008

# Purpose of the Liaison Report

- 802.19 is facilitating discussion of coexistence in the 3.65-3.7GHz band
- This is relevant to 802.16 WG given the work being undertaken in the LE TG (License-Exempt Task Group) developing the P802.16h amendment
- Considering coexistence with P802.11y amendment
- P802.11y is specifically targeting the 3.65-3.7GHz band. Some detail on 802.11y:
  - 802.11a (OFDM PHY)
  - 5, 10, 20MHz channels
  - Selected modifications to improve coexistence and meet regulatory requirements

# Activities

- Bi-weekly conference calls running from November 2007
- Initiated an Electronic Commenting Process on:
  - *Simulation Parameters Document* (IEEE 802.19-07/11r13)
    - Document title: *Parameters for simulation of Wireless Coexistence in the US 3.65GHz band*
    - <http://ieee802.org/19/pub/2008/19-07-0011-13-0000-Parameters-for-Simulation.doc>
  - *Coexistence Metrics Document* (IEEE 802.19-07/20r3)
    - Document title: *Coexistence Metrics for the 3650 MHz Band*
    - <http://ieee802.org/19/pub/2008/19-07-0020-03-0000-Coexistence-Metrics-for-3650MHz-Band.doc>
- 802.19 met this week to discuss 3.65-3.7GHz coexistence for 4 hours:
  - Tuesday PM1
  - Wednesday PM2
- Plan to continue holding bi-weekly conference calls starting 3 April 2008
- Resolved comments received during commenting process

# Scope of work on 3.65GHz Coexistence

- *Simulation Parameters Document*
  - A set of simulation parameters and FCC regulatory requirements for use in developing supporting simulation results for coexistence studies in 3.65-3.7GHz band
  - A set of mandatory scenarios and mandatory parameters are drawn from the document. These Scenarios are required in any proposal to be include in the Coexistence Assurance Document
- *Coexistence Metrics Document*
  - A set of metrics used to provide a means of determining the suitability of a given scheme/feature for coexistence
- *Coexistence Assurance Document*
  - A document containing demonstration of coexistence with supporting simulation results
  - Drawing on the two documents mentioned above

# Timelines for Approval

- *Simulation Parameter Document*
  - Conference calls to continue comment resolution
  - **Approval** by Straw Poll on Conference Call prior to next Plenary (July 2008)
- *Coexistence Metrics Document*
  - Conference calls to continue comment resolution
  - **Approval** by Straw Poll on Conference Call prior to next Plenary (July 2008)
- *Coexistence Assurance Document*
  - Following approval of the two documents above **first version for review** at next Plenary (July 2008)