IEEE P802.19  
Wireless Coexistence

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| IG CUB April 9, 2014 Teleconference Minutes | | | | |
| Date: 2014-04-09 | | | | |
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Abstract

This document contains minutes from IG CUB teleconference on April 09, 2014.

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# Agenda review and approval

The following agenda was approved for the meeting:

1. Attendance
2. IEEE patent policy
3. Background on IG CUB
4. Discussion on Coexistence Issues in Unlicensed Frequency Bands
5. AOB

# Attendance

Bill Shvodian (NII Holdings)

Steve Shellhammer (Qualcomm)

Chen Sun (Sony)

Hyunduk Kang (ETRI)

# IEEE patent policy

The call host, Hyunduk Kang, reminded the participants on the IEEE-SA Patent Policy and shared the related material in the online meeting. He issued call for potentially essential patents. Nobody in the teleconference responded to the call.

# Background on IG CUB

The call host explained background on IG CUB (Interest Group on Coexistence in Unlicensed Frequency Bands), regarding importance of wireless coexistence. One of main purposes of IG CUB is to solve coexistence problems among dissimilar RATs (e.g., 802.11, 802.15, LTE-U and so on) over unlicensed frequency bands such as ISM bands.

# Discussion on Coexistence Issues in Unlicensed Frequency Bands

The group discussed on possible issues as follows;

* Interference discovery (a.k.a., neighbor discovery)
* Connection establishment among neighbors
* What information is needed to be exchanged among neighbors

Neighbor discovery may be accomplished by database based or spectrum sensing based. Unlike TV white space, geo-location over ISM bands may not always available. Connection establishment is also needed for information exchange among neighbors. It can be done via wired or wireless. After getting connected among neighbors, necessary information to mitigate harmful interference among them is required to be obtained. Using that, how to share resources will be one of important issues.

The group agreed to continue discussion on coexistence issues on the next teleconference.

# AOB

There was no AOB.