IEEE P802.11
Wireless LANs

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| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Peter Ecclesine | Cisco Systems | 170 W. Tasman Dr., MS SJ-14-4 | +1-408-527-0815 | pecclesi@cisco.com  |
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Abstract

Draft of 3GPP liaison letter from IEEE 802 to 3GPP

3GPP liaison Draft 02

IEEE 802 has become aware that 3GPP is contemplating the addition of license exempt component to its family of radio standards, as a means of boosting capacity for its existing licensed band services.

IEEE 802 invites 3GPP to a dialog regarding coexistence of technologies in license exempt frequency bands.

Just as 3GPP has a long and successful history in the development of standards for licensed band equipment, IEEE 802 has over 20 years of experience in developing standards that have resulted in many commercially successful equipment and service deployments in license exempt frequency bands.

The IEEE 802 standards that we continue to evolve include:

* 802.11 – Wireless local area networks
* 802.15 – Wireless personal area networks (known as Bluetooth, ZigBee, and others)
* 802.16 – Wireless Metropolitan area networks
* 802.22 – Regional area networks

and are supported by

* 802.18 – Radio Regulatory Technical Advisory Group
* 802.19 – Wireless Coexistence Working Group

The successful simultaneous deployment of billions of Bluetooth devices and Wi-Fi devices demonstrates that coexistence in the 2.4GHz license exempt frequency band, using standards developed by two independent Standards Development Organizations can be achieved.

IEEE 802 is willing to exchange information regarding our experiences in developing spectrum sharing technologies.

We look forward to better understand your plans for developing air interfaces for use in the license exempt frequency bands.

We suggest that a teleconference be scheduled to review areas of mutual interest and discuss possible steps going forward.