

IEEE 802
Local and Metropolitan Area Network Standards

Paul Nikolich
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To: Dino Flore, 3GPP TSG RAN Chair
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Susanna Koistra, 3GPP Liaison Coordinator:
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SUBJECT: Areas of Mutual Interest to 802 LMSC and 3GPP

DATE: 31 March 2014

Dear Dino,

The IEEE 802 LAN/MAN Standards Committee (LMSC) is increasingly aware that regulators worldwide are looking for more ways to share radio frequency spectrum and that the future for broadband wireless involves a mix of both licensed and license exempt spectrum. IEEE 802's wireless focus has primarily been in the license exempt frequency bands while 3GPP has had major success in licensed frequency bands. As regulators make important spectrum sharing decisions the interests of both of our groups are related. Our futures are dependent upon decisions being made that can benefit all of us.

The IEEE 802 wireless 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 – Broadband Wireless Access
- 802.22 – Wireless 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 and Wi-Fi devices demonstrates that coexistence in the 2.4 GHz license exempt frequency band, using standards developed by two independent Standards Development Organizations, can be achieved.

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

Regards,

/s/ Paul Nikolich

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