



## **Call for Contributions:**

# **IEEE 802.16's Study Group on License-Exempt Coexistence**

**Deadline: ~~27~~ 29 August 2004**

On 16 July 2004, the IEEE 802 Executive Committee approved the creation of the IEEE 802.16 Working Group Study Group on License Exempt Coexistence. The charter of the Study Group was approved by the IEEE 802.16 WG (see [http://ieee802.org/16/docs/04/80216-04\\_47.pdf](http://ieee802.org/16/docs/04/80216-04_47.pdf)) and includes the following areas of activities:

- *Assess feasibility of a coexistence protocol for license-exempt (LE) bands that is PHY independent and adapted to the 802.16 MAC protocol, including PHY/MAC modifications, inter-system communication, and spectrum sharing rules;*
- *Study differences between licensed and LE coexistence environments, with a view of amending IEEE Standard 802.16.2;*
- *Study the impact on PHY/MAC protocols and recommended practices of spectrum sharing with primary (licensed) spectrum users in LE bands”;*
- *Consider interference from and to other sources in the 802 LE community, including IEEE 802.11 and IEEE 802.15, as it relates to IEEE 802.16.*

Contributions addressing the above topics are requested. The contributions should provide:

- Ideas to establish the feasibility of a coexistence protocol, including inter-system communication using messages carried over PHY protocols that may be considered as technology neutral. These ideas should address the interference sources mentioned above.
- Ideas for amending IEEE Std 802.16.2 to provide recommended practices for LE bands.
- Principal requirements on PHY/MAC protocols and radio performance resulting from coexistence with primary spectrum users (in bands where such users exist), such as radars or TV services. These contributions should address the specific regulatory environment and provide a technical analysis of the interference levels to both primary services and BWA services in order to justify the requirements.
- Draft text for a PAR and “Five Criteria” to address IEEE 802.16 coexistence in license-exempt bands.

Contributions will be considered non-confidential and will be posted for public access on the IEEE 802.16 Web Site <<http://WirelessMAN.org>>.

Submit your contribution by the **deadline of 29 August 2004** following the instructions at <<http://WirelessMAN.org/submit.html>>. Make use of the “le” upload directory <<http://le.WirelessMAN.org>>

For further information, contact one of the following:

- Chair of Study Group on License-Exempt Coexistence: Mariana Goldhamer <<mailto:marianna.goldhammer@alvarion.com>>
- Vice Chair of Study Group on License-Exempt Coexistence: Barry Lewis <<mailto:blewis@redlinecommunications.com>>
- Chair of IEEE 802.16 Working Group: Roger Marks <<mailto:marks@nist.gov>>