

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Call for Contributions on PAR for WirelessHUMAN™ Standard	
Date Submitted	2000-07-13 [Deadline extended on 2000-09-01]	
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Re:	WirelessHUMAN™ Study Group Report http://ieee802.org/16/human/docs/80216hp-00_09.pdf	
Abstract	Call for Contributions to identify applicability & modifications of existing/proposed MAC/PHY standards for WirelessHUMAN™ systems	
Purpose	To develop PAR for WirelessHUMAN™ systems	
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	<p>Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:r.b.marks@ieee.org> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site</p> <p><http://ieee802.org/16/ipr/patents/letters>.</p>	

Call for Contributions to develop the Project Authorization Request for A WirelessHUMAN™ Standard

Deadline: September + 8 , 2000

The IEEE 802 LMSC has chartered the WirelessHUMAN™ (Wireless High-speed Unlicensed Metropolitan Area Networks) Study Group through 10 November 2000 to develop a proposed Project Authorization Request (PAR) for a standard for public MAN operation in the 5-6 GHz unlicensed bands, with primary focus on the 5.25-5.35 GHz and the 5.725-5.825 GHz UNII bands. In particular WirelessHUMAN™ aims to provide similar services as will be provided by IEEE 802.16.3 Systems but operating in the UNII bands. The Study Group is a unit of the IEEE 802.16 Working Group on Broadband Wireless Access but is coordinating with the IEEE 802.11 Working Group on Wireless LANs.

In conjunction with IEEE 802.16's Session #9 (September 11-15 in Denver, CO, USA), the Study Group will meet to write its proposed PAR and submit it to 802.16 for approval. The PAR will need to be submitted to the IEEE 802 Executive Committee by 6 October 2000.

During its initial phase (5 March through 14 July 2000), the Study Group has determined that the standard will draw from applicable or proposed standards.

The Study Group will decide at the upcoming meeting on the technical approach to the WirelessHUMAN™ Standard. To assist in the decision, the Study Group is calling for contributions to identify applicability & modifications of existing/proposed MAC/PHY standards for WirelessHUMAN™ systems. Contributors should consider adaptations of the following candidates:

1. IEEE 802.16.1 MAC (currently in Working Group Letter Ballot within 802.16)
2. IEEE 802.16.3 PHY and MAC (in development by 802.16.3 Task Group)
3. IEEE 802.11a PHY and IEEE 802.11 MAC with 802.11e extensions (currently in development)
4. HIPERLAN/2 PHY and MAC(www.etsi.org/bran)

The WirelessHUMAN™ Study Group has identified the following issues as potential modifications to the above standards as listed in [URL]. Contributors are encouraged to address the following factors in light of suitability for unlicensed operation in MAN environments:

- Operation in presence of interference
- Cellular deployment with sectorization and frequency reuse
- Accommodation of propagation delay and multipath
- Error Control
- Providing QoS capabilities
- Operations and maintenance support
- Public network grade availability
- Dynamic Frequency Selection
- Adaptive Power Control
- Multiple simultaneous sessions to a single terminal/user

Contributions should be submitted using Revision 8 of the 802.16 Document Submission Template <http://ieee802.org/16/docs/802_16_template.doc>. Contributions will be considered non-proprietary and

will be posted as soon as possible after receipt for public access on the 802.16 web site. Contributions submitted by the deadline will be addressed at the meeting.

Email your contribution to each of the following:

- Study Group Chair Durga P. Satapathy durga.satapathy@mail.sprint.com
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- IEEE 802.16 Chair Roger Marks marks@nist.gov