Call for Technical Proposals regarding IEEE Project 802.16j
Deadline: 5 March 2007 AOE

On 30 March 2006, the IEEE-SA Standards Board approved Project Authorization Request (PAR) P802.16j <http://standards.ieee.org/board/nes/projects/802-16j.pdf> authorizing the development of an amendment to IEEE Standard 802.16 regarding Multihop Relay. The PAR includes the scope statement:

> *This document specifies OFDMA physical layer and medium access control layer enhancements to IEEE Std 802.16 for licensed bands to enable the operation of relay stations. Subscriber station specifications are not changed.*

The 802.16 Working Group's Relay Task Group <http://ieee802.org/16/relay> is developing the P802.16j project. The Relay TG has prepared several documents to be used as guidelines:

- Evaluation methodology, IEEE 802.16j-06/013r3 <http://ieee802.org/16/relay/docs/80216j-06_013r2.pdf>.
- Definitions and terminology, IEEE 802.16j-06/014r1 <http://ieee802.org/16/relay/docs/80216j-06_014r1.pdf>,
- Usage Models IEEE802.16j-06/015 <http://ieee802.org/16/relay/docs/80216j-06_015.pdf>,
- Technical requirement IEEE802.16j-06/016r1 <http://ieee802.org/16/relay/docs/80216j-06_016r1.pdf>
- Table of contents IEEE802.16j-06/017r2 <http://ieee802.org/16/relay/docs/80216j-06_017r2.pdf>.

It has also agreed to a baseline document:

- P802.16j Baseline Document (IEEE 802.16j-06/026r2) <http://ieee802.org/16/relay/docs/80216j-06_026r2.pdf>.

This Call for Technical Proposals requests contributions intended to advance the development of the P802.16j Baseline Document, considering the five guideline documents cited above.

Contributions must follow the instructions at < http://wirelessman.org/submit.html > and make use of the Relay Task Group's upload directory <http://relay.WirelessMAN.org>. Contribution document naming format will follow the standard IEEE 802.16 naming convention using j for the project designation, with the format C802.16j-07/xyz. Comments and contributions will be considered non-confidential and will be posted for public access. Contributions must include more than one text proposal of modification and/or addition to the baseline document with the relevant section reference. Failing to this may exclude the contributions for review.

The Relay TG Chair team may organize the discussions during the next session along with the topics shown below, aiming at successful completion of the baseline document during Session #48 as discussed at the WG Closing Plenary of Session #47 <http://ieee802.org/16/relay/docs/80216j-07_005r1.pdf>. Those are:

- Relay Types
- Security models for P802.16j (in conjunction with relay types)
- Frame structure
- Signalling (Configuration, R-FCH,/R-MAPs & IEs)
- Amble sequence & repetition
- Handover
- MS HO
- RS HO
- MRS Operation

- FBSS
- Ranging
- Initial/BWR/HO/Unsolicited
- Routing & path management
- Procedures & routing algorithm
- Data forwarding scheme
- Network entry
- RS
- Measurement & Reporting
- Neighbourhood discovery & interference
- RS Grouping

For further information, contact one of the following:
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