Project	**IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>**
Title	***Report on OmniRAN Discussions with IETF Participants***
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Source(s)	Roger B. Marks Consensii LLC 4040 Montview Blvd Denver, CO 80207 USA	Voice: +1 619 393 1913 E-mail: roger@consensii.com *<http://standards.ieee.org/faqs/affiliationFAQ.html>
Re:	HetNet Study Group's *Call for Contributions: OmniRAN Standard for an IEEE 802 HetNet* (IEEE 802.16-12-0506-02-Gdoc) for IEEE 802.16's Session #81 of 17-20 September 2012
Abstract	This document reports on discussions related to OmniRAN with IETF participants.
Purpose	This contribution is provided to the HetNet Study Group for information and to solicit participation in future coordination activity.
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Report on OmniRAN Discussions with IETF Participants

Roger B. Marks
Consensii LLC

Abstract

This document reports on discussions related to OmniRAN with IETF participants.

Background

At IEEE 802.16's Session #80, the HetNet Study Group issued a *Call for Contributions: OmniRAN Standard for an IEEE 802 HetNet* (IEEE 802.16-12-0506-02-Gdoc) toward Session #81 of 17-20 September 2012. The Call for Contributions solicited input documentation to progress the development of a Project Authorization Request (PAR) and Five Criteria Statement on an IEEE 802 OmniRAN project.

This contribution does not respond to the Call for Contributions. It does, however, provide information related to the topic concerning discussions among IETF participants.

IETF/IEEE 802 Meeting of 25 July

The leadership of IEEE 802 and IETF (which develops the Internet standards) met on 25 July (see minutes) in Milpitas, CA, USA. The intent was to improve communication, cooperation, and collaboration between the groups. Good progress was made overall in promoting coordination. The next meeting is planned for March 2013, when IEEE 802 and IETF hold co-located meetings over consecutive weeks.

IEEE 802.16 Working Group Chair Roger Marks was one of seven members of the IEEE 802 Executive Committee to attend the meeting. He added the topic of OmniRAN to the list of topics to coordinate, and he was invited to present a set of slides on the topic. Those slides are posted.

Area Director Meeting of 26 July, and subsequent IETF Meeting

In conjunction with the 25 July meeting, Marks invited Brian Haberman, Area Director of IETF's Internet Area, to attend a two-hour teleconference meeting on 26 July. The meeting was hosted by Huawei at its site in Santa Clara. In addition to Charlie Perkins and Sue Hares of Huawei, Juan Carlos Zuniga of InterDigital also attended. Haberman expressed interest in the OmniRAN activity and agreed to put it on the Internet Area agenda for the IETF meeting the following week. At that meeting, on 1 August, Perkins presented the slides prepared for the 25 July meeting.

Followup to IETF/IEEE 802 Meeting of 25 July

As a followup to the 25 July meeting, IETF and IEEE 802 leadership are endeavoring to compile a list of topics for which coordination will be valuable. One of the topics on the draft list is Item 11:

> 11. IETF Mobile IP and IEEE 802.16 HetNet Study Group
> 11.1. Description
>   At the 7/25 f2f meeting Roger Marks presented a proposal for a new IEEE 802 WG to specify access network abstraction layer above IEEE 802 access technologies, noting that the work is related to some IETF WGs (e.g. DMM, MIF, NETEXT), and made the following recommendations:
> - IEEE 802 OmniRAN can close the gap and tie 802 devices into a family of standards within a heterogeneous IP network supporting evolving IETF standards
> - IEEE 802 and IETF should
>   * leverage each other's expertise
>   * plan communications
>   * identify commonalities

       * link solutions
       * organize a team to coordinate milestones and progress
  11.2. Relevant Documents
  11.3. Owners
  11.4. Action Items

Discussion of the IETF/IEEE 802 took place in a phone call of 5 September. The draft minutes report that, regarding Item 11, "Roger Marks indicated he would be the owner of this item. An action item was identified: Roger Marks to form a team to discuss coordination with possible input from Brian Haberman and Charlie Perkins."

Proposal

This contribution proposes that interested participants from IEEE 802 and IETF participate in the discussion of Item 11, proposing language to replace the draft above. Interested participants, including those who would like to be listed as "Owners" under 11.3, are invited to contact Marks.