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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** | |
| Title | ***Proposed Draft of an*** ***IEEE 802 OmniRAN PAR*** | |
| Date Submitted | **2012-07-19** | |
| Source(s) | Roger B. Marks  Consensii LLC; WiMAX Forum  4040 Montview Blvd  Denver, CO 80207 USA  \*<<http://standards.ieee.org/faqs/affiliationFAQ.html>> | Voice: +1 619 393 1913 E-mail: roger@consensii.com |
| Re: | Call for Contributions toward IEEE 802.16’s Session #80 on *Open Mobile Network Interface (OMNI) Standard for an IEEE 802 HetNet*, IEEE 802.16’s HetNet Study Group (IEEE 802.16-12-0390-01-Gdoc). | |
| Abstract | This document offers a proposal toward the draft PAR for an IEEE 802 OmniRAN standard, as solicited in the Call for Contributions IEEE 802.16-12-0390-01-Gdoc on *Open Mobile Network Interface (OMNI) Standard for an IEEE 802 HetNet* issued by IEEE 802.16’s HetNet Study Group. | |
| Purpose | This proposal proposes a draft OmniRAN PAR in response to the HetNet Study Group’s Call for Contributions on Open Mobile Network Interface (OMNI) Standard for an IEEE 802 HetNet, specifically regarding the solicitation of “Proposals toward the draft PAR and Five Criteria Statement.” | |
| Notice | *This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups*. It represents only the views of the participants listed in the “Source(s)” field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein. | |
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Proposed Draft of an IEEE 802 OmniRAN PAR

Roger B. Marks

Consensii LLC; WiMAX Forum

# Abstract

This document offers a proposal toward the draft PAR for an IEEE 802 OmniRAN standard, as solicited in the Call for Contributions [IEEE 802.16-12-0390-01-Gdoc](https://mentor.ieee.org/802.16/dcn/12/16-12-0390-01.pdf) on *Open Mobile Network Interface (OMNI) Standard for an IEEE 802 HetNet* issued by IEEE 802.16’s HetNet Study Group.

# Purpose

This proposal proposes a draft OmniRAN PAR in response to the HetNet Study Group’s Call for Contributions on *Open Mobile Network Interface (OMNI) Standard for an IEEE 802 HetNet*, specifically regarding the solicitation of “Proposals toward the draft PAR and Five Criteria Statement.”

# Proposal

This proposal requests that the HetNet Study Group issue a Study Group document on the basis of Annex 1 and issue a Call for Contributions that includes a request for comment on that Study Group document.

Annex 1:

Proposed DRAFT PAR P802.24.1

**Submitter Email:** [r.b.marks@ieee.org](mailto:r.b.marks%40ieee.org)  
**Type of Project:** New IEEE Standard  
**PAR Request Date:** [2012-11-16 (following presubmittal)]  
**PAR Approval Date:** [2012-12-04]  
**PAR Expiration Date:**   
**Status:** Unapproved PAR, PAR for a New IEEE Standard

**1.1 Project Number:** P802.24.1  
**1.2 Type of Document:** Standard  
**1.3 Life Cycle:** Full Use

**2.1 Title:** Omni-Range Area Network (OmniRAN) using Open Mobile Network Interface: Release 1

**3.1** **Working Group:** Requested: Omni-Range Area Network Working Group (C/LM/OmniRAN Working Group)  
**Contact Information for Working Group Chair**  
   **Name:**   
   **Email Address:**   
   **Phone:**   
**Contact Information for Working Group Vice-Chair**

**3.2** **Sponsoring Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)  
**Contact Information for Sponsor Chair**  
   **Name:** Paul Nikolich  
**Contact Information for Standards Representative**  
None

**4.1 Type of Ballot:** Individual  
**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 11/2013  
**4.3 Projected Completion Date for Submittal to RevCom:** 08/2014

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 60

**5.2 Scope:** This standard specifies the architecture and protocol of an omni-range area network (OmniRAN) using an open mobile network interface (OMNI) to mobile IP services. It supports a wide variety of fixed and mobile access technologies specified within the IEEE 802 family.  
  
**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** This standard supports the development of comprehensive, IP-based, single-operator or multioperator, heterogeneous network that supports IEEE 802 access technologies usable over a wide set of deployment scenarios. This allows network operators to deploy any of the IEEE access technologies using a common set of network tools for shared use of infrastructure. The OmniRAN allows an operator to easily introduce access service networks supporting different usage requirements in different geographic areas or differing circumstances. Overlay networks, with multiple radio access technologies, are also supported.  
  
**5.5 Need for the Project:** No existing network standard provides for a network supporting the panoply of IEEE 802 access technologies and the correspondingly broad set of ranges and scenarios.  
  
**5.6 Stakeholders for the Standard:** Network service providers, network access providers, connectivity service network operators, IETF, WiMAX Forum.

**Intellectual Property**  
**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** Yes

**If yes please explain:** The WiMAX Forum will be requested to grant permission for the use and modification of the WiMAX Forum network specifications.  
**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

**7.1 Are there other standards or projects with a similar scope?:** Yes

**If yes please explain:** The various network specifications developed by the WiMAX Forum provide a starting point for the OmniRAN standard.  
**and answer the following**

**Sponsor Organization:** WiMAX Forum **Project/Standard Number:** WMF-T32/T33 **Project/Standard Date:** 17-Apr-2012

**Project/Standard Title:** WiMAX Forum(R) Network Architecture - Architecture Tenets, Reference Model and Reference Points

WiMAX Forum(R) Network Architecture - Detailed Protocols and Procedures

**7.2 Joint Development**  
   **Is it the intent to develop this document jointly with another organization?:** No

**8.1 Additional Explanatory Notes (Item Number and Explanation):**

* (5.2) The standard will support IP standards, including Mobile IP services, as specified in IETF.
* (5.2) This amendment shall comply with IEEE Std 802, IEEE Std 802.1D, and IEEE Std 802.1Q.
* (7.1) [Discuss relationship to 802.21 and IETF standards.]