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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** |
| Title | ***Open*** ***Mobile Network Interface (OMNI) Layer for an IEEE 802 Heterogeneous Network*** |
| Date Submitted | **2012-05-09** |
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| Re: | Solicitation of input contributions by IEEE 802.16’s Study Group on the WirelessMAN Radio Interface in Heterogeneous Networks (HetNet Study Group <http://ieee802.org/16/sg/het>) for IEEE 802.16’s Session #79 of 14-17 May 2012 |
| Abstract | This document describes a proposal to standardize a new network layer, the Open Mobile Network Interface (OMNI) Layer, as the basis of an IEEE 802 heterogeneous network. |
| Purpose | To request that the HetNet Study Group review the proposed OMNI Layer and, on that basis, issue a followup Call for Contributions toward the Study Group meetings at IEEE 802.16 Session #80. |
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Open Mobile Network Interface (OMNI) Layer

for an IEEE 802 HetNet

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# Abstract

This document describes a proposal to standardize a new network layer, the Open Mobile Network Interface (OMNI) Layer, as the basis of an IEEE 802 heterogeneous network.

# Purpose

To request that the HetNet Study Group review the proposed OMNI Layer and, on that basis, issue a followup Call for Contributions toward the Study Group meetings at IEEE 802.16 Session #80

# Introduction

The IEEE 802.16 Working Group’s Study Group on the WirelessMAN Radio Interface in Heterogeneous Networks (HetNet Study Group <http://ieee802.org/16/sg/het>) was initiated on 16 March 2012, initially through 20 July 2012. The Study Group has called for contributions toward the first meeting.

This contribution proposes that the Study Group initiate and lead the development of a PAR on the Open Mobile Network Interface (OMNI) Layer for an IEEE 802 HetNet.

# Companion Contributions

This contribution is one of a set of contributions:

•IEEE 802.16-12-0350-00-Shet: Open Mobile Network Interface (OMNI) Layer for an IEEE 802 HetNet

•IEEE 802.16-12-0351-00-Shet: Open Mobile Network Interface (OMNI) Layer for an IEEE 802 HetNet: Architecture and Functionality

•IEEE 802.16-12-0352-00-Shet: Open Mobile Network Interface (OMNI) Layer for an IEEE 802 HetNet: Proposed Call for Contributions

# Suggested Timetable for the Project

This contribution proposes the following timetable for development of the project:

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| --- | --- |
| 2012-03-16 | Study Group chartered |
| 2012-05-17 | Call for Contributions on draft OMNI Layer PAR and Five Criteria Statement |
| 2012-07-16 | IEEE 802.16 Working Group Session #80 and IEEE 802 Plenary Session |
| 2012-07-19 | Call for Contributions on initial draft of PAR and Five Criteria Statement |
| 2012-07-19 | IEEE 802.16 Working Group acts to renew HetNet Study Group |
| 2012-07-20 | IEEE 802 Executive Committee acts to renew HetNet Study Group |
| 2012-09-17 | IEEE 802.16 Working Group Session #81 |
| 2012-09-20 | HetNet WG and 802.16 WG agree to forward PAR and Five Criteria Statement to IEEE 802 |
| 2012-10-15 | Presubmit PAR to NesCom |
| 2012-11-12 | IEEE 802.16 Working Group Session #80 and IEEE 802 Plenary Session |
| 2012-11-12 | IEEE 802 Tutorial |
| 2012-11-13 | Comments on PAR from IEEE 802 Executive Committee members (5 pm) |
| 2012-11-14 | Responses to PAR comments (5 pm) |
| 2012-11-15 | IEEE 802.16 Working Group approves revised PAR |
| 2012-11-16 | IEEE 802 Executive Committee approves revised PAR (and acts to renew Study Group) |
| 2012-12-04 | Recommendation of PAR approval by NesCom |
| 2012-12-05 | PAR approval by IEEE-SA Standards Board |
| 2013-01 | Organizational Working Group meeting at 802 Wireless Interim |
| 2013-03 | Working Group meeting at 802 Plenary |
| ongoing | Working Group meets at 802 Plenary and 802 Wireless Interim |
| 2013-11 | Complete first draft; launch WG Letter Ballot |
| 2014-07 | approval to initiate IEEE-SA Sponsor Ballot |
| 2014-11 | approval to submit to RevCom |

# Proposal

This contribution proposes that the HetNet Study Group take the following actions:

(1) Review the content of IEEE 802.16-12-0351-00-Shet and seek consensus on that general approach.

(2) Issue a Call for Contributions, based on IEEE 802.16-12-0352-00-Shet, with specific requests for information and with responses to be directed to next session of the HetNet Study Group (during IEEE 802.16 Session #80 of 16-19 July).