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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** |
| Title | ***Proposed Draft OmniRAN Call for Contributions toward HetNet Study Group Meeting at Session #81*** |
| Date Submitted | **2012-07-11** |
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| 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 proposes a HetNet Study Group Call for Contributions on OmniRAN standardization toward 802.16 Session #81. |
| Purpose | This proposal requests that the HetNet Study Group issue a Call for Contributions on OmniRAN standardization toward 802.16 Session #81, indicating an intent to complete a draft PAR at that session. It also requests that the Call for Contributions include a request for comments on draft PAR language. It suggests that the HetNet Study Group request renewal through 802.16 Session #82 in November 2012 and plan to complete OmniRAN PAR approval through the IEEE 802 process at that session. |
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Proposed Draft OmniRAN Call for Contributions toward

HetNet Study Group Meeting at Session #81

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# Abstract

This document proposes a HetNet Study Group Call for Contributions on OmniRAN standardization toward 802.16 Session #81.

# Purpose

This proposal requests that the HetNet Study Group issue a Call for Contributions on OmniRAN standardization toward 802.16 Session #81, indicating an intent to complete a draft PAR at that session. It also requests that the Call for Contributions include a request for comments on draft PAR language. It suggests that the HetNet Study Group request renewal through 802.16 Session #82 in November 2012 and plan to complete OmniRAN PAR approval through the IEEE 802 process at that session.

# Background

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.

During the Study’s Group first meeting, during IEEE 802.16’s Session #79 of 14-17 May 2012, it issued a 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*. An IEEE 802 Tutorial entitled *Heterogeneous Networking among the IEEE 802 Family: Proposal for an OMNI Standard* was scheduled for 16 July at the IEEE 802 Plenary in San Diego.

IEEE 802.16-12-0390-01-Gdoc solicited “proposals toward the draft PAR and Five Criteria Statement.” At least one such proposal ([IEEE 802.16-12-0449-00-Shet](https://mentor.ieee.org/802.16/dcn/12/16-12-0449.doc)) has been received.

At Session #80, it is timely to consider the scheduling requirements for completion of an OmniRAN PAR and to solicit the necessary input for consideration at Session #81.

# Proposed Project Development Timeline

[IEEE 802.16-12-0350-00-Shet](https://mentor.ieee.org/802.16/dcn/12/16-12-0350.doc) proposed a timetable for development of the project. That timetable is reproduced here, with the addition of a row for the 16 July tutorial:

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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 |
| 2012-07-16 | IEEE 802 Tutorial: *Heterogeneous Networking among the IEEE 802 Family: Proposal for an OMNI Standard* |
| 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 |

Key elements of this timetable were also recorded in the HetNet Study Group’s Session #79 Closing Report ([IEEE 802.16-12-0391-00-Gdoc](https://mentor.ieee.org/802.16/dcn/12/16-12-0391.ppt)). The timetable remains relevant and valid. The milestones for the week of Session #80 are highlighted in blue above.

# Proposal to request Study Group Renewal

In planning for Session #81, the WG should request renewal of the HetNet Study Group through Session #82.

If the WG does decide to request extension of the SG, it should presume that the request will be approved by the IEEE 802 Executive Committee, on 20 July, and develop documentation accordingly. However, it should authorize officials to modify the documentation accordingly in the unlikely event that the extension is not approved as requested.

# Draft Call for Contributions documents

Annex 1 is a proposed a draft HetNet Call for Contributions to solicit input on OmniRAN standardization toward 802.16 Session #81, indicating an intent to complete a draft PAR at that session. It is suitable for release upon renewal of the SG (anticipated on 20 July).

# Proposal

This contribution proposes that the HetNet Study Group, during Session #80, develop a Call for Contributions documents on the basis of the content in Annex 1, issuing it upon renewal of the SG.Annex 1:

Proposed Draft Call for Contributions:

*OmniRAN Standard for an IEEE 802 HetNet*

 HetNet Study Group

# Issued: 20 July 2012

[Note: Pending renewal of Study Group until November 2012.]

# Deadline: 12 September 2012 AOE

On 16 March 2012, the IEEE 802 Executive Committee chartered the Study Group on the WirelessMAN Radio Interface in Heterogeneous Networks ([HetNet Study Group](http://ieee802.org/16/sg/het)), under the IEEE 802.16 Working Group, through 20 July 2012. It met during the IEEE 802.16 Working Group’s Session #79 in May 2012 and again during Session #80 in July 2012. On 20 July 2012, the SG was renewed through 16 November 2012. It will meet again during IEEE 802.16 [Session #81](http://ieee802.org/16/meetings/mtg81) (17-20 September 2012 in Indian Wells, CA, USA) and [Session #82](http://ieee802.org/16/meetings/mtg82) (12-15 November 2012 in San Antonio, TX USA).

During the IEEE 802.16 Working Group’s Session #79, the Study Group considered proposals to initiate the development of a PAR on a new Open Mobile Network Interface (OMNI) as the basis of an IEEE 802 heterogeneous network. Further contributions regarding an OmniRAN standard were considered at Session #80. In addition, an IEEE 802 tutorial of 16 July addressed *Heterogeneous Networking among the IEEE 802 Family: Proposal for an OMNI Standard*. Study Group documents are available at <<http://docii-het.wirelessman.org>>.

Following review of contributions at Session #80, the SG hereby issues this Call for Contributions soliciting input documentation to progress the development of a Project Authorization Request (PAR) and Five Criteria Statement on an *IEEE 802 OmniRAN* project. Such contributions will be addressed at Session #81, where the SG intends to develop the PAR and Five Criteria with the intent of presenting them for IEEE 802 approval in conjunction with Session #82.

The Study Group particularly seeks inputs on the following topics:

(1) Comments on the OmniRAN contributions reviewed at Sessions #79 and #80, including the content of the IEEE 802 tutorial of 16 July on *Heterogeneous Networking among the IEEE 802 Family: Proposal for an OMNI Standard*.

(2) Proposals regarding the OmniRAN architecture as it might be developed within IEEE 802.

(3) Proposals regarding the specific functionality to be provided by the OmniRAN.

(4) Proposals regarding the utility of the OmniRAN and comparisons to alternative network approaches.

(5) Proposals regarding the organizational approach within IEEE 802 for the development of an OMNI standard with the appropriate engagement of the relevant current Working Groups.

(6) Comments on the proposed draft PAR in IEEE 802.16-12-XXXX-00-Shet.

(7) Proposals toward the draft Five Criteria Statement.

Submit your contribution by the deadline abovefollowing the IEEE 802.16 Document Submission Instructions <http://ieee802.org/16/submit.html> using the File Code “Shet”.

For further information, contact the following:

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