

<b>Type of Project:</b> Revision to an Existing Standard 802.16-2004	
<b>1.1 Project Number:</b> P802.16	
<b>1.2 Type of Document:</b> Standard for	
<b>1.3 Life Cycle:</b> Full	
<b>1.4 Is this project in ballot now?</b> No	
<b>2.1 Title of Standard:</b> Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Broadband Wireless Access Systems	<b>Old Title:</b> IEEE Standard for Local and metropolitan area networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems
<b>3.1 Name of Working Group:</b> Broadband Wireless Access Working Group	
<b>Contact information for Working Group Chair</b> Roger B Marks Email: r.b.marks@ieee.org Phone: 1-303-725-4626	
<b>Contact Information for Working Group Vice Chair</b>  Email: Phone:	
<b>3.2 Sponsoring Society and Committee:</b> IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) <b>Contact information for Sponsor Chair:</b> Paul Nikolich Email: p.nikolich@ieee.org Phone: 857-205-0050 <b>Contact information for Standards Representative:</b>  Email: Phone:	
<b>3.3 Joint Sponsor:</b> IEEE Microwave Theory and Techniques Society/Standards Coordinating Committee (MTT/SCC) <b>Contact information for Sponsor Chair:</b> Richard Snyder Email: r.snyder@ieee.org Phone: (201) 492-1207 <b>Contact information for Standards Representative:</b>  Email: Phone:	
<b>4.1 Type of Ballot:</b> Individual	
<b>4.2 Expected Date of Submission for Initial Sponsor Ballot:</b> 2007-11	
<b>4.3 Projected Completion Date for Submittal to RevCom:</b> 2008-03	
<b>5.1 Approximate number of people expected to work on this project:</b> 300	

<p><b>5.2 Scope of Proposed Standard:</b> This standard specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of combined fixed and mobile point-to-multipoint broadband wireless access (BWA) systems providing multiple services. The MAC is structured to support multiple PHY specifications, each suited to a particular operational environment.</p>	<p><b>Old Scope:</b> This revised standard specifies the air interface, including the medium access control layer and multiple physical layer specifications, of fixed broadband wireless access systems supporting multiple services. It consolidates IEEE Standards 802.16, 802.16a, and 802.16c, retaining all modes and major features without adding modes. Content is added or revised to improve performance, ease deployment, or replace incorrect, ambiguous, or incomplete material, including system profiles.</p>
<p><b>5.3 Is the completion of this standard is dependent upon the completion of another standard: No</b> If yes, please explain:</p>	
<p><b>5.4 Purpose of Proposed Standard:</b> This standard enables rapid worldwide deployment of innovative, cost-effective, and interoperable multivendor broadband wireless access products, facilitates competition in broadband access by providing alternatives to wireline broadband access, encourages consistent worldwide spectrum allocations, and accelerates the commercialization of broadband wireless access systems.</p>	<p><b>Old Purpose:</b> This standard enables rapid worldwide deployment of innovative, cost-effective, and interoperable multivendor broadband wireless access products, facilitates competition in broadband access by providing alternatives to wireline broadband access, encourages consistent worldwide spectrum allocations, and accelerates the commercialization of broadband wireless access systems.</p>
<p><b>5.5 Need for the Project:</b> Revision of the standard is required due the number of outstanding amendments and the identification, during the course of the P802.16-2004/Cor2 project, of a number of maintenance issues.</p>	
<p><b>5.6 Stakeholders for the Standard:</b> Vendors developing IEEE 802.16 products and carriers using IEEE 802.16 products.</p>	
<p><b>Intellectual Property</b></p> <p><b>6.1.a.</b> Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes If yes, state date: 2007-01-15 If no, please explain:</p> <p><b>6.1.b.</b> Is the Sponsor aware of any copyright permissions needed for this project? No If yes, please explain:</p> <p><b>6.1.c.</b> Is the Sponsor aware of possible registration activity related to this project? Yes If yes, please explain: The revision is expected to include language previously reviewed by the IEEE Registration Authority Committee regarding assignment of the IEEE 802.16 Operator ID.</p>	

**7.1 Are there other standards or projects with a similar scope? No**

If yes, please explain:

**and answer the following:** Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

**7.2 Future Adoptions**

**Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? Yes**

If Yes, the following questions must be answered:

Technical Committee Name and Number: ITU

**Other Organization Contact Information:**

**Contact person:** José M. Costa

**Contact Email address:** costa@nortel.com

**7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No**

If yes, please explain:

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

(5.2) The revision will consolidate IEEE Standards 802.16-2004, 802.16e-2005, 802.16-2004/Cor1-2005, and 802.16f-2005 (and possible subsequent amendments), incorporating corrigenda as developed in the IEEE 802.16 Working Group Maintenance Process (as described in IEEE 802.16-06/046). No new functionality will be added.

(5.2) The Scope has not been essentially changed, but unnecessary historical wording has been dropped.

**8.1 Sponsor Information:**

Is the scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: