DCN **16-15-0032-00-Gcon**

DRAFT

**PAR for an Amendment to an existing IEEE Standard - P802.16**

**Section 1**

**1.1 AMENDMENT LETTER(S):**

**1.2 TYPE OF DOCUMENT:**

Standard

**1.3 LIFE CYCLE:**

Full Use

**Section 2**

**2.1 PROJECT TITLE:**

Standard for Air Interface for Broadband Wireless Access Systems

**AMENDMENT TITLE:**

Standard for Air Interface for Point to Multipoint Broadband Wireless Access Systems operating in a licensed, paired or unpaired, 1 MHz wide channel and supporting the applicable spectrum emission mask regulations (e.g., FCC Part 27 @ Upper 700 MHz A Block MHz).

**Section 3**

**3.1 WORKING GROUP:**

Broadband Wireless Access Working Group (C/LM/WG802.16)

**3.2 SPONSORING SOCIETY AND COMMITTEE:**

IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**3.3 JOINT SPONSOR:**

MTT/SCC Standards Coordinating Committee

**Section 4**

**4.1 SPONSOR BALLOTING INFORMATION:**

Individual

**4.2 EXPECTED DATE OF SUBMISSION OF DRAFT TO THE IEEE-SA FOR INITIAL SPONSOR BALLOT:**

Month/Year

**4.3 PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM:**

Month/Year

**Section 5**

**5.1 APPROXIMATE NUMBER OF PEOPLE EXPECTED TO BE ACTIVELY INVOLVED IN THE DEVELOPMENT OF THIS PROJECT:**

**5.2A SCOPE OF THE COMPLETE STANDARD:**

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 the WirelessMAN-SC, WirelessMAN-OFDM, and WirelessMAN-OFDMA PHY specifications, each suited to a particular operational environment.

**5.2B**

**Proposed Amendment to Scope of the project:**

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 objective of the amendment is to enable operation in a licensed paired or unpaired, 1 MHz wide channel while complying with the applicable spectrum emission mask regulations. This air interface standard is designed to support a variety of utility data applications including ones requiring low latency, high throughput and different types of traffic symmetry (symmetrical, asymmetrical and reverse asymmetrical).

**5.3 IS THE COMPLETION OF THIS STANDARD CONTINGENT UPON THE COMPLETION OF ANOTHER STANDARD?:**

No

**5.4 WILL THE COMPLETE DOCUMENT (BASE + AMENDMENT) CONTAIN A PURPOSE CLAUSE?:**

Yes

**IF YES, ENTER THE PURPOSE AS IT WOULD APPEAR IN THE COMPLETE DOCUMENT:**

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 allocation, and accelerates the commercialization of broadband wireless access systems.

**Proposed amendment:**

This standard enables interoperable multi-sector and multi-cell deployments of Broadband Wireless Systems in a licensed, paired or unpaired 1 MHz wide channel. Modifications to the 802.16 standard are needed to enable operation in a 1 MHz wide channel, meet the applicable spectrum emission mask regulations, enable efficient operation in a 1 MHz wide channel with frequency re-use and support symmetrical, asymmetrical and reverse asymmetrical applications for electrical utilities

**5.5 NEED FOR THE PROJECT:**

**5.6 STAKEHOLDERS FOR THE STANDARD:**

**Section 6**

**6.1 Intellectual Property:**

**A. IS THE SPONSOR AWARE OF ANY COPYRIGHT PERMISSIONS NEEDED FOR THIS PROJECT?:**

Yes, Full Spectrum holds patents related to aspects of the project.

**B. IS THE SPONSOR AWARE OF POSSIBLE REGISTRATION ACTIVITY RELATED TO THIS PROJECT?:**

Yes/No

**Section 7**

**7.1 ARE THERE OTHER STANDARDS OR PROJECTS WITH A SIMILAR SCOPE?:**

Yes/No

**7.2 JOINT DEVELOPMENT - IS IT THE INTENT TO DEVELOP THIS DOCUMENT JOINTLY WITH ANOTHER ORGANIZATION?:**

Yes/No

Information from 7.3 - 7.4 is captured for potential follow up and coordination but will not appear on the final PAR view.

**7.3 International Standards Activities**

**A. ADOPTIONS - IS THERE POTENTIAL FOR THIS STANDARD TO BE ADOPTED BY ANOTHER ORGANIZATION?:**

Yes/No

**B. HARMONIZATION - ARE YOU AWARE OF ANOTHER ORGANIZATION THAT MAY BE INTERESTED IN PORTIONS OF THIS DOCUMENT IN THEIR STANDARDIZATION DEVELOPMENT EFFORTS?:**

Yes/No

**7.4 DOES THE SPONSOR FORESEE A LONGER TERM NEED FOR TESTING AND/OR CERTIFICATION SERVICES TO ASSURE CONFORMITY TO THE STANDARD?:**

Yes/No

**ADDITIONALLY, IS IT ANTICIPATED THAT TESTING METHODOLOGIES WILL BE SPECIFIED IN THE STANDARD TO ASSURE CONSISTENCY IN EVALUATING CONFORMANCE TO THE CRITERIA SPECIFIED IN THE STANDARD?:**

Yes/No

**7.5 INDICATE IF YOU WOULD LIKE IEEE-SA STAFF TO SUBMIT YOUR PROJECT TO THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) FOR APPROVAL CONSIDERATION AS AN AMERICAN NATIONAL STANDARD:**

Yes/No

**Section 8**

**8.1 ADDITIONAL EXPLANATORY NOTES:**

Include the Item # in front of each explanation to distinguish which PAR field it is referring to.