Template form for change of P802.16.3 PAR

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Abstract: This document shows the fields of the current P802.16.3 PAR that can be modified in an IEEE-SA PAR modification request.

Modification to a Previously Approved PAR - P802.16.3

Section 1

1.1 ASSIGNED PROJECT NUMBER:

`802.16.3`

If left Blank, a project number will be assigned by the NesCom Administrator when your PAR is received. Please contact the NesCom Administrator for any questions about a specific project number.

If a specific project number is not required, this field can be left blank.

1.2 TYPE OF DOCUMENT:

- ● Standard
- ○ Recommended Practice
- ○ Guide

Standards, Guides, and Recommended Practices are generically referred to as IEEE Standards.

Standards are documents with mandatory requirements. Standards are generally characterized by the use of the verb "shall."

Recommended practices are documents in which procedures and positions preferred by the IEEE are presented. Recommended practices are generally characterized by the use of the verb "should."

Guides are documents in which alternative approaches to good practice are suggested, but no clear-cut recommendations are made. Guides are generally categorized by the use of the verb "may."

1.3 LIFE CYCLE:

- ● Full Use
- ○ Trial Use

A standard can be designated trial-use or full-use.

A standard can be designated as trial-use when a draft satisfies the criteria of the standards-developing group (i.e., subcommittee or working group), but needs input from a very broad constituency. This is a preferred alternative to the widespread distribution of unapproved drafts. Such a draft requires a letter ballot of the sponsor and approval by the IEEE-SA Standards Board as a trial-use standard. Trial-use standards are effective for no more than two years from the date of publication. If no comments are received during the trial period, the standard is subject to adoption as a full-use standard upon receipt of written recommendation from the sponsor and approval by the IEEE-SA Standards Board.

Section 2

2.1 PROJECT TITLE:

Standard for Mobile Broadband Network Performance Measurements

The title shall not contain the acronym "IEEE". This is added to the title when the standard publishes. All other acronyms shall be spelled out in the title. Typically titles begin with "Standard for...", "Guide for..." or "Recommended Practice for...".

If a general term is used to represent ranges (e.g. high, medium, low) within the title, scope, or purpose, numerically define such ranges where they first appear (title, scope, or purpose, as applicable).

Section 3

3.1 WORKING GROUP: Broadband Wireless Access Working Group (C/LM/WG802.16)

Can also be modified to select another WG.

3.2 SPONSORING SOCIETY AND COMMITTEE: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

3.3 JOINT SPONSOR:

If you are not adding a joint sponsor to this project, you may leave this blank.

If a project will be jointly sponsored between two IEEE-SA Sponsors, a Joint Sponsorship Agreement (JSA) is required. Download a JSA, complete the form and submit it via email to the NesCom Administrator at the time of PAR submittal. A jointly sponsored PAR will not be

approved without a JSA.

Section 4

4.1 SPONSOR BALLOTING INFORMATION: ● Individual ○ Entity

Is the balloting group for this standard expected to be composed of individuals or of entities (persons representing corporations/government bodies/academic institutions, or SDO's)? See Section 5.4.1 in the IEEE-SA Standards Board Operations Manual for further explanation.

4.2 EXPECTED DATE OF SUBMISSION OF DRAFT TO THE IEEE-SA FOR INITIAL SPONSOR BALLOT: [Jul ⏷] / [2013 ⏷]

Additional communication and input from other organizations or other IEEE Standards Sponsors should be encouraged through participation in the working group or the invitation pool prior to Sponsor Ballot.

4.3 PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM: [Feb ⏷] / [2014 ⏷]

Enter the date the draft standard is planned to be submitted to RevCom for processing (not to exceed four years from the date of PAR submission). **It is suggested to allow at least six months after Initial Sponsor Ballot for the ballot process.** Cutoff dates for submitting draft standards to RevCom are generally in February, May, August, and October. Check the appropriate calendars for the specific dates as the draft matures. Use a best guess estimate for the PAR.

Section 5

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

This includes Working Group members, additional non-voting participants, etc.

5.2 SCOPE OF PROPOSED STANDARD:

This standard specifies procedures for characterizing the performance of deployed mobile broadband networks from a user perspective. It specifies metrics and test procedures as well as communication protocols and data formats allowing a network-based server to coordinate and manage test operation and data collection.

The Scope should appear as it will in the draft standard. The Scope stated on the PAR shall be written in present tense, in complete sentences, and with proper grammar as it is intended to appear in the published standard. All acronyms shall be spelled out at first use. The title and (if appropriate) date of any document referenced in the Scope shall be listed in the Additional Explanatory Notes field at the end of this PAR form.

5.3 IS THE COMPLETION OF THIS STANDARD CONTINGENT UPON THE COMPLETION OF ANOTHER STANDARD?: ○ Yes ● No

Your explanation should include how the standard is dependent upon the completion of another standard. Also, if applicable, why a PAR request is being submitted if the standard currently under development is not yet complete. The title and number of the standard which this project is contingent upon shall be included in the explanation.

5.4 WILL THIS DOCUMENT CONTAIN A PURPOSE CLAUSE?: ● Yes ○ No

A purpose statement is encouraged but not mandatory. If the document will not include a purpose statement choose "No" and leave the purpose field blank.

The Purpose stated on the PAR shall be written in present tense, in complete sentences, and with proper grammar as it is intended to appear in the published standard. The title and (if appropriate) date of any document referenced in the Purpose shall be listed in the Additional Explanatory Notes field at the end of this PAR form.

IF YES, ENTER THE PURPOSE OF PROPOSED STANDARD:

By standardizing the metrics and methods, the standard provides a framework for characterizing and assessing the performance of various mobile broadband networks. By standardizing the protocols and data formats, it allows for a measurement server to collect information from a disparate set of devices on the network.

5.5 NEED FOR THE PROJECT:

Users of broadband mobile networks, including enterprises such as corporations and governments, lack reliable, comparable data on which to base their assessment of network performance. Such data can be valuable to determine overall network quality and to pinpoint specific weaknesses, including limitations in deployment. Improved knowledge of system performance will lead the market toward more effective networks and therefore encourage the redeployment of scarce spectrum using the most efficient technologies and implementations. Also, policy makers seeking information on performance of available networks will directly benefit by the opportunity to apply the standardized metrics and methods. Researchers will also gain by the ability to compare measured performance data to simulated results and thereby assess the theoretical models. One application of such information is the assessment of technology elements proposed during standards development.

The need for the project details the specific problem that the standard will resolve and the benefit that users will gain by the publication of the standard. The need statement should be brief, no longer than a few sentences.

5.6 STAKEHOLDERS FOR THE STANDARD:

Individual and enterprise users of mobile broadband networks; government policy agencies studying broadband deployments; companies and universities engaged in network performance assessment; operators of mobile broadband networks.

The stakeholders (e.g., telecom, medical, environmental) for the standard consist of any parties that have an interest in or may be impacted by the development of the standard.

Section 6

6.1 Intellectual Property:

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

○ Yes ● No

If the proposed standard uses copyrighted material, copyright releases must be obtained by the working group and shall be included in the final package submitted to the IEEE-SA Standards Board. Additionally, remember that during development of your approved project, the proper IEEE copyright notices must be maintained on all drafts.

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

○ Yes ● No

The IEEE Registration Authority Committee (RAC) is a mandatory coordination body. A YES answer to this question provides early notification that RAC mandatory coordination will occur during Sponsor ballot. Working groups are welcome to engage the RAC if appropriate earlier in the project.

If the proposed standard requires (or is expected to require) the unique identification of objects or numbers for use in industry, the project has registration activity. This does not cover things like code points defined within the standard.

A YES answer with brief explanation is appropriate if:

1. The proposed standard creates a new registry.
2. The proposed standard includes new use of an existing registry (whether IEEE RA or other registry authority). An existing IEEE registry example would be use of an Organizationally Unique Identifier (OUI). An explanation of a new registration activity should be supplied on the PAR. Please visit the IEEE Registration Authority website (http://standards.ieee.org/regauth/index.html) for additional information regarding existing registries.
3. When RAC review of previously reviewed text is appropriate to assure terminology and descriptions of usage are current.

A NO answer is appropriate:

1. When the project has no registration activity.
2. When a project modifying an existing standard with registration activity will not be adding new text nor modifying existing registration activity text previously reviewed by the IEEE Registration Authority (e.g., corrigendum on non-registry content). Please briefly explain why RAC review is not required.

Please note that the RAC may request mandatory coordination on any project, independent of the answer to this question.

Section 7

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

○ Yes ● No

Identify any standard(s) or project(s) of similar scope(s), both within or outside of the IEEE, and explain the need for an additional standard in this area.

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

○ Yes ● No

If this document will be developed jointly with another organization, your IEEE-SA Staff Liaison must be made aware of this prior to final approval of the document by the IEEE-SA Standards Board [RevCom].

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

If this document is to be adopted by another organization, the document must be adopted intact (whole and unmodified) and the requested contact persons entered on the submittal form. For information about adoptions, contact your IEEE-SA Staff Liaison.

B. HARMONIZATION - ARE YOU AWARE OF ANOTHER ORGANIZATION THAT MAY BE INTERESTED IN PORTIONS OF THIS DOCUMENT IN THEIR STANDARDIZATION DEVELOPMENT EFFORTS?: ○ Yes ● No

If the document is to form the basis of or be included in an international standard, state the name of the organization, the number of the technical committee/subcommittee (if applicable) and the information for the contact person from the other organization, along with any other pertinent information.

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

Section 8

8.1 ADDITIONAL EXPLANATORY NOTES:

(7.1) Standardization activities relevant to this work, though not with a similar scope and primarily oriented to fixed networks, include:
*IETF (Internet Engineering Task Force) Working Group on IP Performance Metrics (ippm)
*IETF pre-standardization activity "lmap" on Large Scale Measurement of Access Network Performance
* ITU-T (International Telecommunication Union Standardization Sector) Study Group 12

If there is any further information that may assist NesCom in recommending approval for this project, include this information here. The title of any documents referenced in the PAR should be listed here.

For a modified PAR, a brief explanation of why the PAR is being modified shall be included in 8.1.
Include the Item # in front of each explanation to distinguish which PAR field it is referring to.

8.2 IEEE Code of Ethics

☐ I acknowledge that I have read and I understand the IEEE Code of Ethics
I agree to conduct myself in a manner that adheres to the IEEE Code of Ethics when engaged in official IEEE business.