

2006-11-15

IEEE 802.16-06/070r1

To: Bob Heile, Chair, IEEE 802.15 Working Group
From: Roger Marks, Chair, IEEE 802.16 Working Group

Dear Bob,

Thank you for your Working Group's comments below.

We have considered your concerns regarding the lack of precise requirements in the PAR scope. We understand these concerns. We had assumed that the project goals were clearly understood, but we had failed to clearly call them out in the PAR. We have include new content that significantly sharpens the scope. We hope this will eliminate your concern about overlap with P802.15.3c and P802.11n.

Note that the output of the PAR project is a standard, not a direct contribution to ITU-R. We have made changes to try to sharpen the distinction. The PAR is to develop the standard. A goal is that it be suitable for contribution to ITU-R. That contribution would be strengthened by coordination with other IEEE 802 standards.

As a result of comments we have received, we have made clear and specific edits to the draft PAR and Five Criteria. We have addressed the specific concerns you identified. We are submitting a revised PAR and hope that you appreciate the improvements.

I would like to offer to participate in your WG's Friday Closing Plenary to review the changes and answer any questions.

Regards,

Roger

2006-11-14

IEEE 802.16-06/071

From: Rick Alfvin <alfvin@ieee.org>
Subject: [802SEC] 16m PAR comments
Date: November 14, 2006 10:21:53 AM CST
To: STDS-802-SEC@listserv.ieee.org
Reply-To: Rick Alfvin <alfvin@ieee.org>
 1 Attachment, 56.5 KB

Hi Roger,

I've attached comments originally authored by Dr. James P. K. Gilb, which are being submitted to 802.16 on behalf of the 802.15 WG. The WG voted unanimously (46/0/0) to submit the comments to 802.16.

Best regards,

Rick Alfvin
Vice Chair IEEE 802.15
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[15-06-0472...ppt \(56.5 KB\)](#)

Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: [802.16m PAR motion]

Date Submitted: [13 November 2006]

Source: [James P. K. Gilb]

Company [SiBEAM]

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Re: []

Abstract: [Motion to express the opinion of 802.15 on the 802.16m PAR]

Purpose: [Contribution to TG3c at November 2006 meeting]

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802.16m Scope

This amendment provides an advanced air interface to meet the requirements of next generation mobile networks. This standard is intended for incorporation into the IMT-Advanced standardization activity being conducted by the International Telecommunications Union – Radiocommunications Sector (ITU-R). The amendment is based on the WirelessMAN-OFDMA specification and provides continuing support for legacy subscriber stations.

802.16m Purpose

The purpose of this standard is to update the WirelessMAN-OFDMA air interface in accordance with the requirements defined for the internationally agreed radio interface standards for next generation mobile networks such as IMT-Advanced.

Problems with the PAR

- Missing requirements
 - Data rate
 - Range
 - Frequency band
 - Reference to the requirements document for IMT advanced
 - Pretty much anything that restricts the scope
- PAR is to develop submission to ITU, it should be to develop a standard
- Tutorial to explain 802.16 and IMT-Advanced is scheduled for this week, too late for comments

What is IMT-Advanced?

- 4G system to be developed by the ITU
- The target for systems beyond IMT-2000 is
 - 100 Mb/s for high-mobility systems
 - 1 Gb/s for low-mobility systems
- Clear overlap with 802.15 TG3c and 802.11 TGn

Motion

- The Chair (or acting Chair) will submit the following comments on the 802.16m PAR by the deadline for comments on behalf of the 802.15 WG:
 - The scope of the PAR may overlap with the 802.15.3c PAR, which also should be mentioned in the 5C
 - The scope is overly broad. The scope needs to be written to reflect a focus on a particular need
 - The changes required are significant and so the PAR should be withdrawn, revised and resubmitted for the March plenary meeting