

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
+1 585.781.0952

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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]

Address [555 N Mathilda Ave Ste 100, Sunnyvale, CA 94085]

Voice: [+1 408 245 3120], FAX: [+1 408 245 3120], E-Mail: [last name at ieee dot org]

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