

IEEE 802.16 Working Group on Broadband Wireless Access

<http://WirelessMAN.org>



Dr. Roger B. Marks
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16 September 2005

Dear IEEE-SA RevCom:

This submittal is an application for approval of IEEE P802.16-2004/Cor1/D5 (“Draft Corrigendum to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems”).

Attached to this letter, please find the following:

Page 2-5: IEEE-SA Standards Board Form for Submittal of Proposed Standards

Page 6: Coordination comments and responses

The draft itself will be included separately in PDF format and supplied to the IEEE Staff Project Editor in FrameMaker format. The ballot results will be provided directly to the RevCom Administrator.

As of this time, a 15-day recirculation is in progress, closing on 27 September. Until that recirculation is complete, I cannot confirm the approval ratio. However, seven of the previously remaining Disapprove voters have so far converted their vote to Approve during the current recirc. Based on this information, the current voting result is 154 Approve, 13 Disapprove, and 6 Abstain, for an approval ratio of 92.2%. Several of the remaining Disapprove voters have also indicated an intent to convert to Approve.

The cover letter for the ongoing recirculation is available as hyperlinked document [IEEE 802.16-05/068](#).

Please feel free to contact me with any questions or concerns.

Sincerely,

Roger B. Marks
Chair, IEEE 802.16 Working Group on Broadband Wireless Access

**IEEE-SA STANDARDS BOARD
FORM FOR SUBMITTAL OF PROPOSED STANDARDS**

1. PROJECT NUMBER: P802.16-2004/Cor1/D5

2. DATE: 16 September 2005

3. TITLE: Draft Corrigendum to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems

4. SPONSOR (Full name of society/committee): Computer Society/LMSC + Microwave Theory & Techniques Society

5. BALLOTING COMMITTEE: IEEE 802.16 Working Group + Microwave Theory and Techniques Society

6. NAME OF WORKING GROUP: IEEE 802.16 Working Group on Broadband Wireless Access

7. NAME AND ADDRESS OF SUBMITTER

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8. DESCRIPTION OF DOCUMENT (Check one from each column.)

New

Revision

Reaffirmation

Withdrawal

Standard

Recommended Practice

Guide

Amendment/Corrigenda to an existing

standard (Indicate number and year) 802.16-2004

Full Use (5-year life cycle)

Trial Use (2-year life cycle)

8A. REAFFIRMATION ONLY:

The Sponsor confirms that the balloting group agrees that this standard continues to be useful in its current form and contains no significant obsolete or erroneous information.

Yes

No

9. BALLOT INFORMATION

List the interest categories of **eligible** balloters only. Refer to the IEEE-SA Standards Board Operations Manual and the Working Guide for Submittal of Proposed Standards for the rules of balloting committee classification.

User	73	Producer	93	General Interest	51	Government	3
Interest Category	No.	Interest Category	No.	Interest Category	No.	Interest Category	No.

SUMMARY OF ELIGIBLE BALLOTS

	INITIAL BALLOT		RECIRCULATION BALLOT (if applicable)	
	Draft D3 Number	Date Closed: 2005-07-10 Percentage	Draft D4 Number	Date Closed: 2005-08-26 Percentage
Eligible Balloters	220	100%		100%
Ballots Returned	168		173	78
Affirmatives	135	83.9	147	87.6
Total Negatives	26	N/A	20	N/A
Abstentions	7		6	
Reasons for abstentions:	Lack of time = 5		Lack of expertise = 0	
			Other = 1	

10. RESOLUTION OF COMMENTS AND NEGATIVE VOTES

All balloting group members, observers, and coordinating groups have been advised of substantive changes made with respect to the balloted draft standard (in response to comments, in resolving negative votes, or for other reasons) and have received copies of all unresolved negative votes with reasons from the negative voter and the rebuttal, and have been advised that they have an opportunity to change their votes.

- A. Have unresolved comments accompanying negative votes been circulated? *Include unresolved negative comments and rebuttal.* Yes No No unresolved comments
- B. Have substantive document changes been circulated? Yes No No substantive changes

11. COORDINATION ACTIVITY (Not required for reaffirmation)

Using the abbreviations listed below, indicate the response received from each committee/organization required for coordination and include a copy of the response. Include documentation authorizing coordination by common membership, if applicable.

R = Received R/C = Received with comment NR = Not received

Committee/Organization	Response	Committee/Organization	Response
SCC10 (IEEE Dictionary)	NR		
SCC14 (Quantities, Units, & Letter Symbols)	R/C		
IEEE Standards Editorial Staff	R/C		

Indicate below any unresolved problems from coordination activities.



12. PATENT/COPYRIGHT and REGISTRATION ISSUES

- A. Any patent letters of assurance (LoAs) received by the Sponsor are to be forwarded to the PatCom Administrator [Fax: + 1 732 875 0524].
- B. Is there any copyrighted material in the proposed standard? Yes No
If yes, include copyright release(s).
- C. Is the registration of objects and/or numbers a provision of the proposed standard? If yes, include a proposal for review by the IEEE-SA Registration Authority Committee (RAC). Yes No Already approved by RAC

13. INTERNATIONAL STANDARDS ACTIVITIES (Not required for reaffirmation)

- Is this document intended to be the basis of or included in an international standard? Yes (Explain) No
This document is relevant to Recommendations under development in ITU-R Working Parties 8A and 9B.

14. UNIT OF MEASUREMENT (check one)

- International System of Units (SI) - Metric Inch/Pound Both Not measurement sensitive
- Other _____

15. Source Materials Submitted to IEEE Standards Department

- A. Have electronic versions of the source documents (text and figures) been provided? Yes No Format: FrameMaker
- B. Will a diskette or other online material be required to accompany the published standard? Yes No

16. Submission checklist (X = included in submittal package N/A = Not applicable)

	Submission Package Item	List URL if online
X	This submittal form	http://ieee802.org/16/docs/05/80216-05_070.pdf
X	Ballot summary form(s) (1 per ballot cycle)	provided to RevCom Admin
X	Copies of unresolved negatives & rebuttals	http://ieee802.org/16/docs/05/80216-05_061r2.pdf
X	PAR and PAR approval letter	http://ieee802.org/16/docs/04/80216-04_41r2.pdf
X	Coordination comments and responses	http://ieee802.org/16/docs/05/80216-05_070.pdf
X	.pdf of final balloted draft # <u>D5</u>	http://ieee802.org/16/private/drafts/maint/P80216_Cor1_D5.zip
N/A	Permissions & copyright releases	

PROJECT NUMBER: IEEE P802.16-2004/Cor1/D5

DATE: 2005-09-16

This draft standard has been developed in accordance with the policies and procedures of the Sponsor and I am authorized by those policies and procedures to make this submittal.

Chair, IEEE 802.16 Working Group

Signature of Submitter

Title (role in Sponsor)

=====

FOR STANDARDS DEPARTMENT USE ONLY

Signature of IEEE-SA Officer

IEEE-SA Standards Board Chair

Title

Date

Return to:

IEEE Standards Department
RevCom Secretary
445 Hoes Lane
PO Box 1331
Piscataway, NJ 08855-1331

Coordination Comments and Responses

(1) Editorial

From: *Michelle Turner*

Document under Review: *P802.16-2004/Cor1/D3*

Starting Page: *10*

Suggested Remedy:

SECTION III: Recommended changes

• *In 5.2.3.2 please correct the following sentence to read as follows:*

Replace Figure 11 with the following Figure:

Decision of Group: *Accepted*

(2) SCC14

Document under Review: *P802.16-2004/Cor1/D3*

SCC14 Coordination Comments on

P802.16-2004/Cor 1: Corrigendum to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband

Wireless Access Systems

Very little in this long standard raises any concerns from SCC14. Here are a couple of picky points:

1) The decibel, dB, is of course a permitted unit (although, oddly, it is not SI). Likewise, the dBm is well-enough understood to be permitted also.

But I'd like to see a definition (that is, the reference level) of dBi when it first appears (in subclause 8.3.10). The "m" and the "i" would be better as subscripts.

2) A little more care needs to be taken to ensure that all quantity symbols are set, as they should be, in italic. Note that k and K appear interchangeably in 8.4.4.5 2) (k is correct). The integer counting symbol n or N occasionally appears incorrectly as roman.

3) Note that the unit symbol for "second" is "s" and that for "millisecond" is "ms." In Table 342 I find the incorrect "msec," which is specifically not permitted.

That's all ...

For IEEE SCC14

John T. Scott

21 June 2005

Resolution of Group Decision of Group: *Accepted-Modified*

Editor's Actions:

1) In section 4, I have included the following abbreviations:

"dBm Decibels relative to one milliwatt

dBi Decibels of gain relative to the zero dB gain of a free-space isotropic radiator"

[Note that dBm is taken from the IEEE Dictionary (IEEE Std 100-1996); dBi is taken from

<<http://ntia.its.blrdoc.gov/fs-1037/fs-1037c.htm>>]

Regarding subscripting the "m" or the "i", note that the IEEE Dictionary does not subscript the "m" in dBm.

Nor does the baseline document IEEE Std 802.16-2004 subscript the "m" or the "i" in dBm or dBi, so I do not want the Corrigendum to be inconsistent with that document. Making such a change would be in the authority of the IEEE staff editor, however.

2) I have reviewed and try to identify quantity symbols through out the document and to edit them to be italic, although I might have missed some instances, anyway the IEEE technical editor will fix such instances as well.

3) I have changed every instance of "msec" to "ms".

This response was accepted by SCC14, as noted by this recirculation comment from John T. Scott:

No problems for SCC14.