

|                              |   |   |
|------------------------------|---|---|
| Project                      | <b>IEEE 802.16 Broadband Wireless Access Working Group</b><br>< <a href="http://ieee802.org/16">http://ieee802.org/16</a> >   |   |
| Title                        | <b>IEEE 802.16 Working Group Letter Ballot #4</b>   |   |
| Date Submitted               | <b>2001-11-30</b>   |   |
| Source(s)                    | Roger Marks<br>NIST<br>325 Broadway<br>Boulder, CO 80305  | Voice: +1-303-497-3037<br>Fax: +1-303-497-3037<br><a href="mailto:r.b.marks@ieee.org">mailto:r.b.marks@ieee.org</a> |
| Re:                          | <b>IEEE P802.16a/D1-2001</b>  |   |
| Abstract                     | This document announces and details the procedure for IEEE 802.16 Working Group Letter Ballot #4, in which IEEE P802.16a/D1 is being reviewed.  |   |
| Purpose                      | To document the process of Letter Ballot #4.  |   |
| Notice                       | This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.  |   |
| Release                      | The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.  |   |
| Patent Policy and Procedures | <p>The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures (Version 1.0) &lt;<a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a>&gt;, including the statement "IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard."</p> <p>Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair &lt;<a href="mailto:r.b.marks@ieee.org">mailto:r.b.marks@ieee.org</a>&gt; as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site &lt;<a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a>&gt;.</p> |   |

# IEEE 802.16 Working Group Letter Ballot #4

## 1. Introduction

This announcement opens IEEE 802.16's Letter Ballot #4, on the motion:

*To forward IEEE 802.16a/D1-2001 for IEEE Sponsor Ballot.*

**Document title:** “*Air Interface for Fixed Broadband Wireless Access Systems - Medium Access Control Modifications and Additional Physical Layer Specifications for 2-11 GHz*”

**Document URL:** <[http://ieee802.org/16/private/drafts/tga/P80216a\\_D1.zip](http://ieee802.org/16/private/drafts/tga/P80216a_D1.zip)>

Ballot opening date: **30 November 2001**

Ballot closing date: **4 January 2002** (anywhere in the world)

## 2. Procedure

### 2.1 To submit a ballot with no comments

If you are a member of the Ballot Group (Annex A) and wish to submit a ballot with no comments, you may send an email to the Working Group Chair <<mailto:r.b.marks@ieee.org>> with the following fields:

**Subject:** *802.16 Letter Ballot #4*

**Body:** *choose one of the following only*

- *Approve with no comments*
- *Abstain for Lack of Technical Expertise*
- *Abstain for Lack of Time (This choice does not fulfill the obligation in 3.5.)*

### 2.2 To submit a ballot with comments or to submit comments only

If you wish to submit a ballot with comments (with or without a vote), you must download the standalone program *Commentary* (version 1.1 or higher) and use it to prepare your vote and comments. Submission instructions are included. *Commentary* is available at:

<http://ieee802.org/16/docs/Commentary>

### **3. Working Group Letter Ballot Process**

802 rules specify that “the decision to submit a draft standard or a revised standard to the Sponsor Ballot Group must be ratified by a letter ballot.” The decision to carry out this letter ballot was made at the Closing Plenary of 802.16 Session #16.

#### **3.1 Criteria for Approval**

##### **3.1.1 50% Return Rate**

The ballot will not be considered successful if less than 50% of the ballot group members return a vote. If this return rate has not been achieved by the specified closing date, the ballot may be extended by the Working Group Chair.

##### **3.1.2 75% Approval Rate**

The ballot will not be considered successful unless approved by at least 75% of the ballot group members voting “Approve” or “Disapprove”.

##### **3.1.3 Comment Resolution**

The Working Group shall attempt to resolve all comments collected in the ballot process. All substantive technical changes, and all unresolved negative votes, together with the reasons of the negative voter and the rebuttal by the members conducting the resolution of the ballots, shall be subject to a recirculation ballot of at least ten days.

##### **3.1.4 Failed Ballots**

Should the approval rate be less than 75%, the Working Group shall nevertheless proceed with comment resolution and then offer “Disapprove” voters the opportunity to change their vote to “Approve”. Should this process result in a 75% or higher approval rate, the approval criterion in 3.1.2 shall be considered met.

Should this process fail to achieve the 75% approval rate, a new draft shall be prepared in accordance with the comment resolutions. A new Working Group Letter Ballot of the resulting draft shall be initiated by vote of the Working Group or at the discretion of the Working Group Chair.

#### **3.2 Draft Availability**

Following IEEE guidelines, the document under review is considered a Draft Standard. IEEE requires that Draft Standards carry the IEEE copyright notice and be restricted in distribution. As a result, the document has been posted on the 802.16 password-protected web site. Members and Observers shall not share the password. Other interested parties should see the URL:

<http://ieee802.org/16/published.html>

and contact the Chair <<mailto:r.b.marks@ieee.org>> with any questions.

### 3.3 Ballot Group

The Ballot Group for Letter Ballot #4 is provided in Annex A. It includes the 178 individuals who are Members of IEEE 802.16 as of the start of the Letter Ballot. Except to remedy errors in the this membership list, the Ballot Group will not change through the course of Letter Ballot #4, including its resulting recirculation ballots, even as the Working Group membership changes.

### 3.4 Participation by Individuals outside the Ballot Group

Individuals who are not Ballot Group members are welcome, and encouraged, to submit ballot comments following the procedure in 2.2

### 3.5 Obligations of Working Group Members to Participate in Ballot

The IEEE 802.16 Membership Procedures, which are in accordance with the 802 Rules, specify that Working Group Membership shall be lost if two consecutive, or two of any three consecutive, Working Group Letter Ballots for which the member was eligible are not returned or are returned with an abstention other than for ‘lack of technical expertise’.” Note that *participation in the initial round of the ballot* is required to fulfill this obligation and to assist the Working Group in meeting the 50% return rate requirement.

You may wish to check your voting record from previous 802.16 Letter Ballots:

- #1 <<http://ieee802.org/16/tg1/ballots/ballot01>>
- #2 <[http://ieee802.org/16/docs/00/80216-00\\_29.pdf](http://ieee802.org/16/docs/00/80216-00_29.pdf)>
- #3 <[http://ieee802.org/16/tg1/ballots/ballot03/vote\\_report\\_3.html](http://ieee802.org/16/tg1/ballots/ballot03/vote_report_3.html)>.

### 3.6 Public Release of Individual Ballots

Detailed ballot results will be posted to the 802.16 Web Site.

## 4. Patent Policy and Procedures

Please take note of the IEEE 802.16 Patent Policy

<<http://ieee802.org/16/ipr/patents/policy.html>>.

Note that “anyone, whether participating in IEEE 802.16 or not, should notify the Chair of any patents (granted or under application, and regardless of the assignee or the patent nationality) that may cover technology that is under consideration by or has been approved by IEEE 802.16.”

## Annex A: Ballot Group

|                         |                        |                     |                     |
|-------------------------|------------------------|---------------------|---------------------|
| Agrawal, Aditya         | Hadad, Zion            | Lycklama, Heinz     | Selea, Radu         |
| An, Song                | Hakim, Joseph          | Malkemes, Robert    | Seller, Olivier     |
| Antonello, Gordon       | Halachmi, Baruch       | Marin, J. Scott     | Shahar, Menashe     |
| Arefi, Reza             | Hamilton, Michael      | Markarian, Garik    | Shan, Tie-Jun       |
| Ariyavisitakul, S. Lek  | Harteneck, Moritz      | Marks, Roger        | Shani, David        |
| Arrakoski, Jori         | Hatim, Baya            | McCallister, Ronald | Shenhav, Chaim      |
| Arunachalam, Arun       | Hebron, Yoav           | McGregor, Andy      | Shirali, Chet       |
| Audeh, Malik            | Heise, Bob             | McKown, Russell     | Simkins, James      |
| Avera, Drayt            | Hosur, Srinath         | Mehta, Sushil       | Singh, Manoneet     |
| Avivi, Eli              | Hum, Coleman           | Meyer, Ronald       | Singleton, Ken      |
| Baragar, Ian            | Hunter, Wayne          | Middleton, Andrew   | Smith, Steven       |
| Baugh, C.R. (Rick)      | Husson, David          | Mitlin, Vlad        | Son, Jung Je        |
| Belfiore, Carlos        | Jackson, Du Wayne      | Mody, Apurva        | Sonander, Sean      |
| Benyamin-Seeyar, Anader | Jacobsen, Eric         | Moghe, Sanjay       | Stamatelos, George  |
| Brennan, James          | Jamali, Hamadi         | Mollenauer, James   | Stambaugh, Karl     |
| Bushue, Carl            | Joo, Panyuh            | Monk, Anton         | Stanwood, Ken       |
| Buskila, Baruch         | Jorgensen, Jacob       | Murias, Ronald      | Stewart, Michael    |
| Caso, Gregory           | Kaitz, Tal             | Music, Wayne        | Struhsaker, Paul    |
| Chang, Yuankai          | Kang, Inchul           | Myers, William      | Sydor, John         |
| Chang, Dean             | Kasslin, Mika          | Nadeau, Jim         | Taylor, Shawn       |
| Chauncey, David         | Kelly, Phil            | Nelson, Robert      | Tellado, Jose       |
| Chayat, Naftali         | Kelman, Ofer           | Olszewski, Kim      | Thompson, Paul      |
| Chayer, Rémi            | Kiernan, Brian         | Padan, Uzi          | Tiram-Regev, Ayelet |
| Coles, Ronald           | Kim, John              | Paff, Mike          | Trinkwon, David     |
| Condie, Mary            | Kitroser, Itzik        | Patel, Manish       | Van Waes, Nico      |
| Cornelius, James        | Klein, Allan           | Peirce, Kenneth     | Varma, Subir        |
| Costa, José             | Klein, Jay             | Ponnuswamy, Subbu   | Wachira, Muya       |
| Donahue, Michael        | Kolze, Thomas          | Quilez, Vicente     | Wang, Arthur        |
| Dotan, Amos             | Kostas, Demosthenes    | Rafie, Manouchehr   | Wang, Lei           |
| Durand, Roger           | Krinock, Jerome        | Ran, Moshe          | Wang, Chao-Chun     |
| Edmonston, Brian        | Krishnamoorthy, Rajeev | Regev, Einan        | Wang, Stanley       |
| Eidson, Brian           | Kwak, Byung-Jae        | Reible, Stanley     | Ward, Robert        |
| Eilts, Henry            | Labs, Jonathan         | Resheff, Guy        | Watkins, Larry      |
| Eklund, Carl            | Langley, John          | Rhodes, Valentine   | Whitehead, Philip   |
| El-Damhougy, Hesham     | Lee, Chin-Chen         | Robinson, Gene      | Whiting, Robert     |
| Erceg, Vinko            | Leiba, Yigal           | Roehr, Walt         | Williams, David     |
| Fishel, George          | Leng, Minfei           | Sarajedini, Amir    | Wise, Curt          |
| Florea, Adrian          | Levinson, Moshe        | Sarca, Octavian     | Yanover, Vladimir   |
| Foster, Robert          | Lewis, Barry           | Sari, Hikmet        | Ye, Huanchun        |
| Freedman, Avraham       | Licardie, Sergio       | Satapathy, Durga    | Zeng, Chaoming      |
| Garrett, Andrew         | Liebetreu, John        | Sater, Glen         | Zhang, Wenhan       |
| Garrison, G. Jack       | Lindh, Lars            | Scaringi, Vito      | Zuniga, Juan Carlos |
| Gieschen, Brian         | Lo, Titus              | Scarpa, Carl        | Zyskowski, Paul     |
| Goldhammer, Marianna    | Lou, Hui-Ling          | Schwartz, Randall   |                     |
| Guillemette, Phil       | Lu, Willie             | Segal, Yossi        |                     |