

2002-11-11

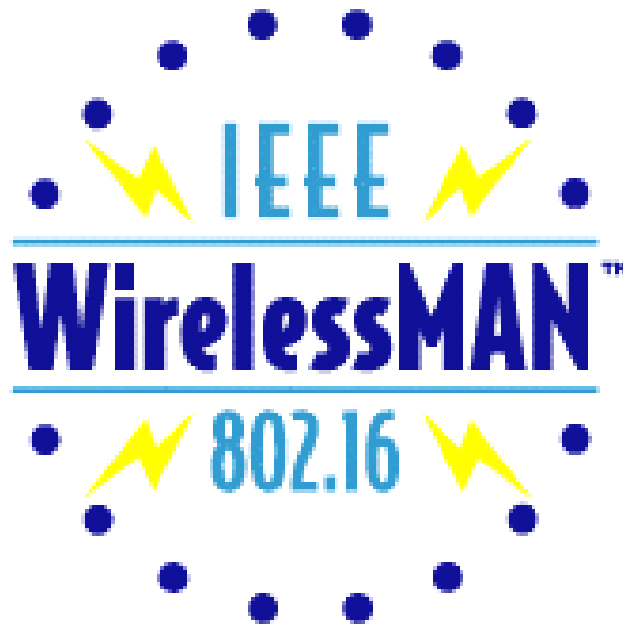
IEEE 802.16-02/64

# **IEEE 802.16**

## **Working Group on**

### **Broadband Wireless Access**

**Roger Marks, Chair**



**IEEE 802.16**  
**Working Group on**  
**Broadband Wireless Access**  
**(BWA)**

**LMSC Plenary Meeting**

**11 November 2002**

**Hyatt Regency Koloa**

# 802.16 Sessions

- #21: 23-26 September 2002  
–Cheju, Korea
- #22: 11-14 November 2003  
–Kauai, Hawaii, USA
- #23: 13-16 January 2003  
–San Jose, CA, USA

# 802.16 Membership

- **84 Members**
  - **Down from peak of 175**
  - **Key projects have been winding down**
  - **Looking to open some new work**
- **62 Potential Members**
- **25 Observers**

# 802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair:**
  - **Election to fill vacancy due to resignation of Paul Struhsaker**
- **Secretary: Dean Chang**
- **TGa & Mobile SG Chair: Brian Kiernan**
- **TGC Chair: Ken Stanwood**
- **TG2 Chair: Phil Whitehead**

# 802.16 Project Structure

## Air Interface

IEEE Standard  
**802.16**

**Publ: Apr 2001**

MAC

10-66 GHz PHY

**802.16c (Profiles)**  
RevCom: Dec02

**802.16a**  
2-11 GHz  
RevCom: Dec02  
(maybe?)

**802.16d (Profiles)**  
PAR: Nov 2002

## Conformance

**1802.16.1 (PICS)**  
WG Ballot: Nov02

**1802.16.2**  
PAR: Nov 2002

**1802.16.3**  
PAR: 2003

## Coexistence

IEEE Standard  
**802.16.2**  
**Publ: Sep 2001**

**802.16.2a**  
2-11 GHz  
WG Ballot:  
close to done;  
Request to open  
Sponsor Ballot

# P802.16a

- Amend IEEE Standard 802.16 by the addition of 2-11 GHz PHY, plus MAC enhancements
- Completed Sponsor Ballot and 2 Recircs
- Pre-Submitted to RevCom for Dec 2002
- But, some additional comments received
- Expect to ask SEC on Friday for approval (or conditional approval) for RevCom submission

# P802.16c

- To amend IEEE Standard 802.16 by the addition of 10-66 GHz profiles
  - for compliance and interoperability tests
- PAR approved by 802 on 22 March
  - By IEEE-SA on 9 May
- Fully completed Sponsor Ballot
- Expect to ask SEC on Friday to approve RevCom submittal



# P1802.16d (proposed)

- Proposed amendment to IEEE 802.16:  
2-11 GHz System Profiles
- Basis of interoperability test
- Parallel to completed 802.16c
- Expect to ask SEC on Friday for approval

## P1802.16.2 (proposed)

- Proposed new standard: 10-66 GHz Test Suite Structure and Test Purposes for IEEE Standard 802.16
- Second of proposed three-volume set of conformance test documents
  - P1801.16.1 (PICS) being readied for WG Ballot this week
- Expect to ask SEC on Friday for approval

# Mobile Wireless MAN Study Group

- Approved by SEC in July 2002
  - Following 802.16's Mobile Broadband Wireless Access SG: March-July
- Proposed PAR 802.16e:
  - Physical Layer and Medium Access Control Modifications for Mobile Operation in Licensed Bands below 6 GHz
- Enhance 802.16a for fixed/mobile use
  - New regulatory allocations, esp. in U.S.
- Open Call for Comments issued
- Expect to ask SEC on Friday for approval

# Mobile Wireless MAN/MBWA SGs

- Concern over distinct identity
- MBWA PAR Presentation to 802.16
  - Monday 4:30-5 pm
- 802.16e PAR Presentation to MBWA SG
  - Tuesday 8:30- ~10 am
- Meeting to address identity overlaps
  - Tuesday 6-7 pm (open; Bob Heile: moderator)
- Deadlines on mobility PARS delayed
  - Comments due Wednesday noon
  - Final PAR due Thursday noon

# 802 Handoff Tutorial & CFI

- *"Handoff Mechanisms and their Role in IEEE 802 Wireless Standards"*
  - Tutorial: Monday 6:30-9:30 pm
    - Sponsored by 802.11, 802.15, 802.16
    - Organized by Marks & Kiernan (802.16)
  - Call for Interest: Tuesday 7:00-7:45 pm
- Issue: a single 802 handoff interface to allow handoff among mixed 802 networks as well to and from non-802 systems.
- Seven excellent speakers
  - IETF; T1P1 (3GPP); 802.11; etc.

# Resources

- on LAN this week:
  - <http://wirelessman>
  - (AKA <http://10.12.0.16>)
    - Hosts the 802 meetings survey
- permanently:
  - <http://WirelessMAN.org>
- tutorials:
  - <http://WirelessMAN.org/tutorial>