

**AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE  
MEETING (revised 10/1/2004)**

Friday March 19, 2004 1:00 PM – 6:00 PM

Hilton Hotel – Orlando, FL

**1.00 MEETING CALLED TO ORDER - Nikolich 1 01:00 PM**

Paul Nikolich called the meeting to order at 1:00 PM Members in attendance were:

- Paul Nikolich - Chair, IEEE 802 LAN / MAN Standards Committee
- Geoff Thompson - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Mat Sherman - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Buzz Rigsbee - Executive Secretary, IEEE 802 LAN / MAN Standards Committee
- Bill Quackenbush - Treasurer, IEEE 802 LAN/MAN Standards Committee
- Tony Jeffree - Chair, IEEE 802.1 - HILI Working Group
- Bob Grow - Chair, IEEE 802.3 - CSMA/CD Working Group
- Stuart Kerry - Chair, IEEE 802.11 - Wireless LANs Working Group
- Bob Heile - Chair, IEEE 802.15 – Wireless PAN Working Group
- Roger Marks - Chair, IEEE 802.16 – Broadband Wireless Access Working Group
- Mike Takefman - Chair, IEEE 802.17 – Resilient Packet Ring Working Group
- Carl Stevenson - Chair, IEEE 802.18 – Regulatory TAG
- Steve Shellhammer - Acting Chair, IEEE 802.19 – Wireless Coexistence TAG
- Jerry Upton - Chair, IEEE 802.20 – Mobile Broadband Wireless Access
- DJ Johnston - Interim Chair, IEEE 802.21 – Media Independent Handover

**1.00 MEETING CALLED TO ORDER - Nikolich 1 01:00 PM**

**2.00 MI APPROVE OR MODIFY AGENDA - Nikolich 9 01:01 PM**

**3.00 CHAIR'S ITEMS 01:02 PM**

**4.00 TREASURER'S ITEMS 01:05 PM**

**4.01 II Treasurer's Report - Quackenbush 5 01:05 PM**

**Category (\* = consent agenda)**

**5.00 IEEE Standards Board Items--PARs, drafts to Sponsor Ballot and RevCom 01:10 PM**

**5.01 ME 802.1ag Connectivity Fault Management forward PAR to NesCom - Jeffree 4 01:10 PM**

**5.02 ME 802.1AB to Sponsor Ballot under Procedure 10 - Jeffree 4 01:12 PM**

**5.05 ME 802.3ap Ethernet over Backplane, forward new PAR to NesCom - Grow 4 01:17 PM**

**5.06 ME 802.3aq 10GbE for FDDI grade MMF, forward new PAR to NesCom - Grow 4 01:18 PM**

Motion: Bob Grow  
Second: Tony Jeffree  
Vote: 12/0/0

**5.09 ME 802.11ma Maintenance, forward modified PAR to NesCom - Kerry 4 01:55 PM**

**5.10 ME 802.11r Fast Roaming, forward new PAR to NesCom - Kerry 4 02:00 PM**

5.11	ME	802.11s Mesh Networking, forward new PAR to NesCom	-	Kerry	4	02:04 PM
5.12	ME	802.11p Wireless Access Vehicular Env., forward new PAR to NesCom	-	Kerry	4	2:06 PM
5.13	ME	802.11e QoS to Sponsor Ballot	-	Kerry	4	2:15 PM
5.14	ME	802.11j Japanese Domains to Sponsor Ballot	-	Kerry	4	02:20 PM
5.15	ME	802.11i Security to RevCom under Procedure 10	-	Kerry	4	02:24 PM
5.17	ME	802.15.3b Corrections to 15.3MAC, forward new PAR to NesCom	-	Heile	4	01:20 PM
5.18	ME	802.15.4a Alternate PHY, forward new PAR to NesCom	-	Heile	4	1:22 PM
5.19	ME	802.15.3a High Rate PHY PAR modification (scope limit), forward to NesCom	-	Heile	4	1:27 PM
5.20	ME	802.15.4REVb, forward new PAR to NesCom	-	Heile	4	1:25 PM
5.21	ME	802.15.5 Mesh Networking in WPAN, forward new PAR to NesCom	-	Heile	4	1:26 PM
5.22	ME	802.15.1a to Sponsor Ballot under Procedure 10	-	Heile	4	1:30 PM
5.24	ME	802.16/Conformance03, forward to RevCom	-	Marks	4	1:24 PM
5.25	ME	802.16-REVD forward to RevCom under Procedure 10	-	Marks	4	1:36 PM
5.27	ME	802.17a RPR, forward to Sponsor Ballot	-	Takefman	4	1:45 PM
5.28	ME	802.17 RPR base standard, forward to RevCom	-	Takefman	4	1:50 PM
6.00		<b>Executive Committee Study Groups &amp; Working Groups</b>	-			
6.01	MI	Affirmation of LMSC Chair	-	Thompson	5	02:30 PM
6.02	MI	Affirmation of 1st Vice Chair, 2nd Vice Chair, Treasurer, Executive Secretary, Recording Secretary	-	Nikolich	5	02:35 PM
6.03	MI	Affirmation of 802.21 WG officers	-	Nikolich	5	02:44 PM
6.04	MI	Affirmation of 802.20 WG officers	-	Nikolich	5	02:54 PM
6.05	MI	Affirmation of 802.19 TAG officers	-	Nikolich	5	03:01 PM
6.06	MI	Affirmation of 802.18 TAG officers	-	Nikolich	5	03:04 PM
6.07	MI	Affirmation of 802.17 WG officers	-	Nikolich	5	03:04 PM
6.08	MI	Affirmation of 802.16 WG officers	-	Nikolich	5	03:10 PM
6.09	MI	Affirmation of 802.15 WG officers	-	Nikolich	5	03:12 PM
6.10	MI	Affirmation of 802.11 WG officers	-	Nikolich	5	03:19 PM
6.11	MI	Affirmation of 802.3 WG officers	-	Nikolich	5	03:29 PM
6.12	MI	Affirmation of 802.1 WG officers	-	Nikolich	5	03:23 PM
6.14	MI*	Affirm continuation of Ethernet over Backplane Study Group	-	Grow	0	03:39 PM
6.15	MI*	Affirm continuation of 10GbE for FDDI grade MMF Study Group	-	Grow	0	03:39 PM
6.16	MI	Affirm formation of 802.3 Rate Management Study Group	-	Grow	5	03:25 PM
6.18	MI*	Affirm continuation of Fast Roaming Study Group	-	Kerry	0	03:44 PM
6.19	MI*	Affirm continuation of Mesh Networking Study Group	-	Kerry	0	03:44 PM
6.20	MI*	Affirm continuation of Wireless Access Vehicular Env. Study Group	-	Kerry	0	03:44 PM
6.21	MI	Affirm formation of 802.11 Wireless Interworking with External Networks Study Group	-	Kerry	5	03:30 PM
6.22	MI	Affirm formation of 802.11 Wireless Network Management Study Group	-	Kerry	5	03:35 PM
6.24	MI	Affirm Formation of 802.16 Network Management Study Group	-	Marks	5	03:40 PM
6.25						03:59 PM
6.26	MI*	Affirm continuation of 802.18 Unused TV spectrum Study Group	-	Stevenson	0	03:59 PM
6.27						03:59 PM
6.28	MI*	Affirm continuation of 15.3b MAC Correction Study Group	-	Heile	0	03:59 PM
6.29	MI*	Affirm continuation of 15.4b Alternate PHY Study Group	-	Heile	0	03:59 PM
6.30	MI*	Affirm continuation of 15.4REVb Revision Study Group	-	Heile	0	03:59 PM

6.31	MI*	Affirm continuation of 15.5 Mesh Networking for WPAN Study Group	-	Heile	0	03:59 PM
6.32	MI*	Affirm continuation of 15.3b MAC Correction Study Group	-	Heile	0	03:59 PM
6.33	MI	Affirm formation of 802.15 mmWave Study Group	-	Heile	5	03:47 PM
6.35	II	Closing report on 802.19 Coexistence TAG	-	Shellhammer	5	03:50 PM
7.00		Break	-		10	
8.00		IEEE-SA Items	-			
8.01	MI	Position Statement regarding placement of turned down programs with other Sponsors	-	Thompson	5	04:05 PM
8.02	II	Indemnification Issue Update	-	Kenney	5	04:40 PM
8.03	II	March 2004 Standards Board Meeting Invitation	-	Kenney	5	04:42 PM
8.04		Education, Mentoring and Support (EMS) Training		Frazer		
9.00		LMSC Liaisons & External Interface	-			
9.01	ME	802.1 Liaison to ITU/T SG13 Q3 802.1 Liaison letter request to NIST re GCM cipher suite	-	Jeffree	4	05:05 PM
9.02	ME		-	Jeffree	4	05:07 PM
9.03	ME	Comments on the FCC "Interference Temperature" NPRM	-	Stevenson	4	05:10 PM
9.04	ME	Comments on the FCC "Cognitive Radio" NPRM	-	Stevenson	4	05:12 PM
10.00		LMSC Internal Business	-			
10.01	MI	Face to Face Contract Approval	-	Quackenbush	5	05:14 PM
10.02	MI	Adopt proposed Financial Operations P&P Changes	-	Quackenbush	5	05:22 PM
10.03	MI	Adopt proposed Roll Call P&P Changes	-	Takefman	5	05:25 PM
10.04	MI	EC P&P Revision Ballot on "Reformatting for Compliance to SA P&P"	-	Sherman	5	05:40 PM
10.05	MI	Purchase 44 802.11 Access Points, not to exceed \$7k	-	Rigsbee	5	05:44 PM
10.08	II	802 Reorganization update	-	Frazier	5	05:46 PM
10.09	II	802 Architecture Group proposal	-	Jeffree	5	05:52 PM
10.10	II	Network Services end of session summary	-	Awtrey	5	05:25 PM
10.11			-			
11.00		Information Items	-			
11.01			-			
11.02			-			
11.03	II	802 News Bulletin reminder	-	Nikolich	1	
11.04	II	802 Task Force Update	-	Nikolich	5	
11.05	II	IETF--high level sharing of new project information	-	Jeffree	1	
11.06	II	Application of Member Token to Badge	-	Kerry	1	
11.07	II	P802.16/Conformance04--update	-	Marks	5	
11.08	II	Tools to Improve Document Management	-	Heile	5	
11.09	II	Use of invited ballot groups within Working Groups	-	Heile	5	
11.10			-			
11.11			-			
11.12	II	Future Meeting Sites	-	Rigsbee	5	
11.13		Tentative End of Meeting				
2.00	MI	APPROVE OR MODIFY AGENDA	-	Nikolich	9	01:01 PM

Motion: Matthew Sherman

Second: Bill Quackenbush

Vote: 10/0/0

**3.00**

**CHAIR'S ITEMS**

**01:02 PM**

**Approval of November 2003 minutes**

Motion to defer the approval and to approve the minutes by a 30 day e-mail ballot

Motion: Bob Grow

Second: DJ Johnson

Vote: 10/0/0

**4.00**

**TREASURER'S ITEMS**

**01:05 PM**

**4.01**

**II**

**Treasurer's Report**

-

**Quackenbush**

**5**

**01:05 PM**

**IEEE Project 802**  
**Estimated Statement of Operations**  
**March 2004 Plenary Session**  
**Lake Buena Vista, FL**  
**As of March 19, 2004**

<b>Meeting Income</b>	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>
Registrations	1,379	1,100	279
Registration income	441,300	352,000	89,300
Deadbeat collections	0	0	0
Bank interest	75	60	15
Other income	0	0	0
<b>TOTAL Meeting Income</b>	<u><b>441,375</b></u>	<u><b>352,060</b></u>	<b>89,315</b>
<b>Meeting Expenses</b>	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>
Audio Visual Rentals	20,103	15,000	(5,103)
Audit	6,000	6,000	0
Bank Charges	285	278	(7)
Copying	3,497	3,500	3
Credit Card Discount	11,915	9,504	(2,411)
Equipment Expenses	29,600	9,000	(20,600)
Get IEEE 802 Contribution	103,425	82,500	(20,925)
Insurance	3,000	3,000	0
Meeting Administration	81,350	68,025	(13,325)
Misc Expenses	1,500	500	(1,000)
Network	28,500	34,388	5,888
Phone & Electrical	1,500	2,100	600
Refreshments	111,064	91,300 (1)	(19,764)
Shipping	5,000	5,000	0
Social	50,657	31,680 (2)	(18,977)
Supplies	500	500	0
<b>TOTAL Meeting Expense</b>	<u><b>457,896</b></u>	<u><b>362,275</b></u>	<b>(95,621)</b>
<b>NET Meeting Income/Expense</b>	<u><b>(16,521)</b></u>	<u><b>(10,215)</b></u>	<b>6,306</b>
Notes (1) Refreshments per registration	81	83	2
(2) Social per registration	37	29	(8)
(3) Pre-registration rate	0.600	0.600	
<b>Estimated Other Liabilities</b>	<b>0</b>		
<b>March 2004 Operating Reserve</b>	<b>319,976</b>		
<b>Projected July 2004 Operating Reserve</b>	<b>303,455</b>		

<b>5.00</b>	<b>IEEE Standards Board Items--PARs, drafts to Sponsor Ballot and RevCom</b>			<b>01:10 PM</b>
<b>5.01</b>	<b>ME</b>	<b>NesCom</b>	<b>- Jeffree</b>	<b>4 01:10 PM</b>

Motion: Tony Jeffree

Second: Carl Stephenson

Discussion: Howard Frazier: 802.3ah EFM passed sponsor ballot. A second recirculation is planned. Plan to seek approval from the SEC to send to RevCom via email ballot in late April or early May.

Vote: 10/0/0

# MOTION

- 802.1 requests permission from the SEC to forward the P802.1ag “Connectivity Fault Management” PAR to NesCom.
- 802.1 Proposed: wright Second: finn
  - For: Against: Abstain:
- SEC Proposed: Jeffree, Second:
  - For: 31 Against: 0 Abstain: 0

# P802.1ag Supporting Information

- Draft PAR unchanged from text already precirculated under 30-day rule:  
<http://www.ieee802.org/1/files/public/docs2004/ConnectivityFaultPAR-v1.2a.doc>
- No comments received from WGs



**5.02 ME 802.1AB to Sponsor Ballot under Procedure 10**

**- Jeffree**

**4**

**01:12 PM**

Motion: Tony Jeffree  
Second: Bob Grow  
Vote: 11/0/0

# MOTION

- 802.1 requests conditional approval from the SEC to forward the P802.1AB draft for Sponsor Ballot following completion of the upcoming recirculation ballot.
- 802.1 Proposed: lane Second: wright
  - For: 28 Against: 0 Abstain: 1
- SEC Proposed: Jeffree, Second:
  - For: Against: Abstain:

# P802.1AB: Supporting Information

- Ballot closed 8<sup>th</sup> March
- Voting:
  - 79% response
  - 33 Yes, 1 No, 3 Abstain (= 97% approval)
- Outstanding Comments/Resolutions:
  - See attached file. All are “Accept”; voter not present so hasn’t been contacted.
- Resolution plan:
  - Recirculation ballot in April timeframe
  - Comment resolution (if necessary) in May Interim meeting

## 1. P802.1AB Outstanding Comments

### **Comment 1 Les Bell**

COMMENT TYPE: TR

CLAUSE: 12

PAGE: 63

LINE: 31 << Editor's note - should be line 13) >>

COMMENT START:

The default value for this object should be expressed as a list of the enumerated values that are to be set. See RFC 2578, section 7.9.

COMMENT END:

SUGGESTED CHANGES START:

Replace "DEFVAL { "0xF0" } with

"DEFVAL { { portDesc, sysName, sysDesc, sysCap } }".

SUGGESTED CHANGES END:

### **Disposition of Comment 1**

Accept

### **Comment 2 Les Bell**

COMMENT TYPE: ER

CLAUSE: C.1.1

PAGE: 91

LINE: 16

COMMENT START:

This paragraph is commentary intended as guidance to MIB authors for what to include in the MIB security section.

COMMENT END:	1
SUGGESTED CHANGES START:	2
Delete this paragraph.	3
	4
	5
SUGGESTED CHANGES END:	6
	7
	8
<b>Disposition of Comment 2</b>	9
	10
See resolution to next comment	11
	12
	13
<b>Comment 3      Les Bell</b>	14
	15
	16
COMMENT TYPE: ER	17
CLAUSE: C.1.1	18
PAGE: 91	19
LINE: 24	20
COMMENT START:	21
	22
This paragraph is commentary intended as guidance to MIB authors for what to include in the MIB security section.	23
	24
	25
	26
	27
COMMENT END:	28
SUGGESTED CHANGES START:	29
Replace this line with a list of all sensitive MIB objects, stating why they are sensitive	30
	31
	32
SUGGESTED CHANGES END:	33
	34
<b>Disposition of Comment 3</b>	35
	36
Accept:	37
	38
Delete annex C	39
Number the MIB definition in clause 12 as 12.1.	40
	41
Add new subclause	42
	43
	44
12.2 Security Considerations (For LLDP base MIB module)	45
	46

1 There are a number of management objects defined in this MIB module  
2 with a MAX-ACCESS clause of read-write. Such objects may be  
3 considered sensitive or vulnerable in some network environments. The  
4 support for SET operations in a non-secure environment without proper  
5 protection can have a negative effect on network operations.  
6

7 Setting the following objects to incorrect values can result in an  
8 excessive number of LLDP packets being sent by the LLDP agent:  
9

10 lldpMessageTxInterval  
11 lldpTxDelay  
12

13 Setting the object, lldpMessageTxHoldMultiplier, to incorrect values  
14 can cause the LLDP agent to transmit LLDPDUs with too-high TTL values,  
15 which affect the expiration time of objects associated with the given  
16 LLDP agent in lldpRemTable.  
17

18 Setting the following objects to incorrect values can result in  
19 improper operation of LLDP:  
20

21 lldpPortConfigAdminStatus  
22 lldpPortConfigTLVsTxEnable  
23 lldpManAddrPortsTxEnable  
24

25 All readable objects in this MIB module (i.e., objects with a  
26 MAX-ACCESS other than not-accessible) may be considered sensitive or  
27 vulnerable in some network environments. This concern applies both  
28 to objects that describe the configuration of the local host, as  
29 well as for objects that describe information from the remote hosts,  
30 acquired via LLDP and displayed by the objects in this MIB module. It  
31 is thus important to control even GET and/or NOTIFY access to these  
32 objects and possibly to even encrypt the values of these objects when  
33 sending them over the network via SNMP.  
34

35 It is thus important to control even GET and/or NOTIFY access to  
36 these objects and possibly to even encrypt their values when sending  
37 them over the network via SNMP.  
38

39 SNMP versions prior to SNMPv3 did not include adequate security.  
40 Even if the network itself is secure (for example by using IPsec),  
41 even then, there is no control as to who on the secure network is  
42 allowed to access and GET/SET (read/change/create/delete) the objects  
43 in this MIB module.  
44

45 It is RECOMMENDED that implementers consider the security features as  
46 provided by the SNMPv3 framework (see RFC3410, section 8),

including full support for the SNMPv3 cryptographic mechanisms (for authentication and privacy).

Further, deployment of SNMP versions prior to SNMPv3 is NOT RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to enable cryptographic security. It is then a customer/operator responsibility to ensure that the SNMP entity giving access to an instance of this MIB module is properly configured to give access to the objects only to those principals (users) that have legitimate rights to indeed GET or SET (change/create/delete) them.

**Comment 4 Les Bell**

COMMENT TYPE: ER

CLAUSE: C.1.2

PAGE: 91

LINE: 26 - 43

COMMENT START:

This section is commentary intended as guidance to MIB authors for what to include in the MIB security section for MIBs with no objects that may be SET by the user.

COMMENT END:

SUGGESTED CHANGES START:

Delete this section.

SUGGESTED CHANGES END:

**Disposition of Comment 4**

Accept - See proposed resolution in previous comment

**Comment 5 Les Bell**

COMMENT TYPE: ER

CLAUSE: G.6.5

PAGE: 91

LINE: 104 -117

COMMENT START:

1 There should be a Security Considerations section for this MIB, similar to Annex  
2 C.

3  
4  
5 COMMENT END:

6 SUGGESTED CHANGES START:

7 Either:

- 8 (1) Add a Security sub-clause for Annex G; or  
9 (2) Include the relevant MIB objects from this MIB in Annex C.

10 This also applies to the MIB in Annex H.

11  
12  
13 SUGGESTED CHANGES END:

14  
15 ***Disposition of Comment 5***

16  
17  
18 Accept - This is similar to comments 32, 33, and 34.

19  
20 Add new subclause:

21  
22 **G.6.6 Security Considerations (For LLDP 802.1 extension MIB module)**

23  
24 There are a number of management objects defined in this MIB module  
25 with a MAX-ACCESS clause of read-write. Such objects may be  
26 considered sensitive or vulnerable in some network environments. The  
27 support for SET operations in a non-secure environment without proper  
28 protection can have a negative effect on network operations.

29  
30 Setting the following objects to incorrect values can result in  
31 improper operation of LLDP:

32  
33 `lldpXdot1ConfigPortVlanTxEnable`  
34 `lldpXdot1VlanNamePortsTxEnable`  
35 `lldpXdot1ProtoVlanPortsTxEnable`  
36 `lldpXdot1ProtoPortsTxEnable`

37  
38 All readable objects in this MIB module (i.e., objects with a  
39 MAX-ACCESS other than not-accessible) may be considered sensitive or  
40 vulnerable in some network environments. This concern applies both  
41 to objects that describe the configuration of the local host, as  
42 well as for objects that describe information from the remote hosts,  
43 acquired via LLDP and displayed by the objects in this MIB module. It  
44 is thus important to control even GET and/or NOTIFY access to these  
45 objects and possibly to even encrypt the values of these objects when  
46 sending them over the network via SNMP.



It is thus important to control even GET and/or NOTIFY access to these objects and possibly to even encrypt their values when sending them over the network via SNMP.

SNMP versions prior to SNMPv3 did not include adequate security. Even if the network itself is secure (for example by using IPSec), even then, there is no control as to who on the secure network is allowed to access and GET/SET (read/change/create/delete) the objects in this MIB module.

It is RECOMMENDED that implementers consider the security features as provided by the SNMPv3 framework (see RFC3410, section 8), including full support for the SNMPv3 cryptographic mechanisms (for authentication and privacy).

Further, deployment of SNMP versions prior to SNMPv3 is NOT RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to enable cryptographic security. It is then a customer/operator responsibility to ensure that the SNMP entity giving access to an instance of this MIB module is properly configured to give access to the objects only to those principals (users) that have legitimate rights to indeed GET or SET (change/create/delete) them.

Also add a new subclause

**H.5.6 Security Considerations (For LLDP 802.3 extension MIB module)**

There are a number of management objects defined in this MIB module with a MAX-ACCESS clause of read-write. Such objects may be considered sensitive or vulnerable in some network environments. The support for SET operations in a non-secure environment without proper protection can have a negative effect on network operations.

Setting the object, lldpXdot3PortConfigTLVsTxEnable, to incorrect values can result in improper operation of LLDP:

All readable objects in this MIB module (i.e., objects with a MAX-ACCESS other than not-accessible) may be considered sensitive or vulnerable in some network environments. This concern applies both to objects that describe the configuration of the local host, as well as for objects that describe information from the remote hosts, acquired via LLDP and displayed by the objects in this MIB module. It is thus important to control even GET and/or NOTIFY access to these objects and possibly to even encrypt the values of these objects when sending them over the network via SNMP.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46

1 It is thus important to control even GET and/or NOTIFY access to  
2 these objects and possibly to even encrypt their values when sending  
3 them over the network via SNMP.  
4

5 SNMP versions prior to SNMPv3 did not include adequate security.  
6 Even if the network itself is secure (for example by using IPSec),  
7 even then, there is no control as to who on the secure network is  
8 allowed to access and GET/SET (read/change/create/delete) the objects  
9 in this MIB module.  
10

11 It is RECOMMENDED that implementers consider the security features as  
12 provided by the SNMPv3 framework (see RFC3410, section 8),  
13 including full support for the SNMPv3 cryptographic mechanisms (for  
14 authentication and privacy).  
15

16 Further, deployment of SNMP versions prior to SNMPv3 is NOT  
17 RECOMMENDED. Instead, it is RECOMMENDED to deploy SNMPv3 and to  
18 enable cryptographic security. It is then a customer/operator  
19 responsibility to ensure that the SNMP entity giving access to an  
20 instance of this MIB module is properly configured to give access to  
21 the objects only to those principals (users) that have legitimate  
22 rights to indeed GET or SET (change/create/delete) them.  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46

Motion to change the agenda to move the 802.11 material to later in the agenda  
Moved: Stuart Kerry  
Second: Jerry Upton  
Vote: 9/1/1

**5.05 ME NesCom 802.3ap Ethernet over Backplane, forward new PAR to - Grow 4 01:17 PM**

Motion: Bob Grow  
Second: Tony Jeffree  
Vote: 12/0/0

# Motion: P802.3ap (Backplane Ethernet)

---

The LMSC Executive Committee approves the P802.3ap Backplane Ethernet PAR and Five Criteria.

M: R. Grow, S:

Working Group votes

PAR Y: 55, N: 0, A: 0

Criteria – Y: 47, N: 0, A: 0

**5.06 ME NesCom 802.3aq 10GbE for FDDI grade MMF, forward new PAR to - Grow 4 01:18 PM**

Motion: Bob Grow  
Second: Tony Jeffree  
Vote: 12/0/0

# Motion: P802.3aq (10GBASE-LRM)

---

The LMSC Executive Committee approves the P802.3aq 10GBASE-LRM PAR and Five Criteria.

M: R. Grow, S:

Working Group votes

PAR Y: 43, N: 0, A: 3

Criteria – Y: 39, N: 0, A: 9

**5.09 ME 802.11ma Maintenance, forward modified PAR to NesCom - Kerry 4 01:55 PM**

Motion: Stuart Kerry  
Second: Carl Stephenson  
Vote: 13/0/0

From doc 11-04-0035-00

Motion: To adopt document 04/58r1 as the revised PAR for 802.11ma and submit it to the 802 Executive Committee no less than 30 days prior to the March 2004 802 plenary session.

Moved by Bob O'Hara on behalf of TGm

Vote: Motion passes 86 : 0 : 9



ExCom motion:

Motion: To adopt document 04/58r1  
as the revised PAR for 802.11ma and  
submit it to the NesCom.

Moved by Stuart on behalf of the  
study group

Passes

**5.10 ME 802.11r Fast Roaming, forward new PAR to NesCom**

- **Kerry**

**4 02:00 PM**

Motion: Stuart Kerry  
Second: DJ. Johnson  
Vote: 11/0/0

---

# Motion to Reaffirm Approval of PAR

- Reaffirm the decision made at the January 2004 IEEE 802.11 Interim session by the Fast Roaming Study Group and the IEEE 802.11 Working Group, which was:
- *Believing the PAR & 5 Criteria contained in the documents below meet IEEE-SA guidelines,*
- Request that this PAR & 5 Criteria contained in 11-03/771R5 (subsequently revised at the March 2004 IEEE 802 Plenary session by the SG and the WG as a result of WG comments and contained in 11-03/771R6) & 11-03/772R4 be posted to the ExCom agenda for WG 802 preview and ExCom approval (and subsequent submission to NesCom).
- January 2004 Movers:  
SG: Keith Amann/Haixiang He      Result: 17-2-6  
WG: Clint Chaplin on behalf of the Study Group      Result: 65-0-27
- March 2004 Movers:  
SG: Keith Amann/Nancy Cam-Winget      Result: 31-0-0  
WG: Clint Chaplin on behalf of the Study Group
- **802.11WG Result Moved by Clint Chaplin : 88-2-4**

---

## Request from IEEE 802.11 WG to IEEE 802 Executive Committee for Study Group Extension

- Request the IEEE 802 Executive Committee to extend the IEEE 802.11 Fast Roaming Study Group through the January 2005 meeting.
- Movers:
  - SG: Ivan Reede/Bob Love                      Result: 31-0-0
  - WG: Clint Chaplin on behalf of the Study Group
- **802.11 WG Results**
  - **Moved by Clint Chaplin**
  - **89-4-16 Approved**

**5.11 ME 802.11s Mesh Networking, forward new PAR to NesCom - Kerry 4 02:04 PM**

Motion: Stuart Kerry  
Second: Jerry Upton  
Vote: 12/0/0

---

# ESS Mesh Motions

- Moved, That the approval of the ESS Mesh PAR and 5 Criteria (11-04/54r2, 11-04/56r1) are hereby reaffirmed and forwarded to the 802 Executive Committee for approval.
- 802.11WG Results
  - Moved Donald Eastlake
    - 2<sup>nd</sup> Colin L
    - 98 – 1-2 Approved

**5.12 ME 802.11p Wireless Access Vehicular Env., forward new PAR to NesCom - Kerry 4 2:06 PM**

Motion: Stuart Kerry

Second: Roger Marks

Discussion: Paul: Why were there so many disapprove votes? Stuart: There was a debate in the WG about whether it should be an amendment of 802.11 or a standalone document. Geoff: Is this an amendment or a standard PAR? There was a motion in the WG to make it a standalone PAR, which failed by a close vote. Bob: Do you use a procedural vote to approve PARs? Stuart: No, the original vote during the interim session was significantly over 75%. The reaffirmation during the plenary did not get 75% approval, but did get over 50%. Carl: I spoke in the WG to make it a standalone standard. Stuart: In the January Interim the vote was 60/3/16. Paul: This does not meet the LMSC rules. So the motion cannot be made. Motion ruled out of order by the chair.

Vote: N/A

**5.13 ME 802.11e QoS to Sponsor Ballot - Kerry 4 2:15 PM**

Motion: Stuart Kerry

Second: Carl Stephenson

Discussion: There are no remaining NO votes. Bob: Were changes made since the last ballot? John Fakatselis (chair 802.11 TGe): No

Vote: 12/0/0

---

# TGE QoS

- **Motion: To forward to IEEE LMSC the TGe Draft 8.0 of IEEE802.11e and the supporting TGe letter Ballots history data in documents 04/409r2 and 04/410 r2 to request initiating the “Sponsor Letter Ballot” for IEEE802.11e**
- **Sri/John**
- **18-0-1**
- **802.11WG Results:**
  - **Moved by John Fakatselis: 133-1-2 Approved**



---

# TGE QoS

- **Motion: If EXCOM invokes procedure 10 for the 802.11e Sponsor Ballot process a meeting will be held in Camas Washington the week of April 19, 2004.**
- **This Interim meeting is authorized to confirm the results of the WG TGe letter Ballot per procedure 10 of the LMSC Policies and Procedures or proceed with comment resolutions.**
- **John/Andrew**
- **14-0-1**
- **802.11 WG Results:**
  - **Moved Dorothy Stanley, 2<sup>nd</sup> Carl Stevenson**
  - **Vote: 113 – 2- 17 Approved**

---

# TGE QoS

- **Motion: To instruct the WG chair to invoke procedure 10 of the LMSC Policies and Procedures in initiating the “802 Sponsor Letter Ballot” for IEEE802.11e in the event that EXCOM votes against immediate submittal to sponsor Letter Ballot of TGe Draft 8.0 during their Friday March 19, 2004 meeting.**
- **In invoking procedure 10, the chair is authorized to submit document 04/409r3 and 04/410r3 as the supporting documentation for the request.**
- **John/Andrew**
- **20-0-3**
- **802.11WG Results: 133-0-3**

**5.14 ME 802.11j Japanese Domains to Sponsor Ballot**

- **Kerry**

**4 02:20 PM**

Motion: Stuart Kerry

Second: Carl Stephenson

Discussion: Geoff: I will be voting against this motion because I do not believe that the 802 should be writing regulatory domains.

Vote: 8/2/2

From Stuart

Motion: Stuart Kerry

Second: Tony Jeffrey

Discussion: Geoff: I would like to have technical experts state whether the ballot is likely to garner any new negatives: TGi chair states that in his opinion there will not be any new No votes.

Vote: 13/0/0

---

# TGI Motion for Delayed SB Recirc. & Conditional RevCom Submission

- *Believing that sponsor ballot comment responses in 11-04/273r6 and motions duly adopted in TGi will enable the editor to produce the document mentioned below that satisfies IEEE-SA rules for sponsor ballot recirculation and that the recirculation will likely result in approval of the draft,*
- Authorize a SB recirculation of 802.11i draft 9.0 to conclude no later than 4/15/2004 and request to be placed on the RevCom agenda in ExCom using Procedure 10.
- Movers:  
TGi: T. Maufer/C. Chaplin      Result: 23-0-1
- **802.11WG Result**
  - **Moved by Dave Halaz : 100-0-5 Approved**

5.17 ME **802.15.3b Corrections to 15.3MAC, forward new PAR to NesCom** - Heile 4 01:20 PM

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 12/0/0

## PAR for 802.15.3b

Amendment to 802.15.3-2003

**Scope: [This amendment contains changes to the IEEE Std 802.15.3 required to improve implementation and interoperability. This will include minor optimizations while preserving backward compatibility. In addition, this amendment will correct errors, clarify ambiguities, and add editorial clarifications.]**

**Passed the WG by Unanimous Consent in both January and March**

**No comments received**

**Move to forward 802.15.3b to NesCom**

**Mover: Heile    Second: Upton**



**5.18 ME 802.15.4a Alternate PHY, forward new PAR to NesCom - Heile 4 1:22 PM**

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 12/0/0

## PAR for 802.15.4a

Amendment to 802.15.4-2003

**Scope: [This project will define an alternative PHY clause for a data communication standard with precision ranging, extended range, enhanced robustness and mobility amendment to standard 802.15.4 (18a).]**

**Passed the WG by Unanimous Consent in both January and March**

**No comments received**

**Move to forward 802.15.4a to NesCom**

**Mover: Heile    Seconder: Upton**

**5.19 ME 802.15.3a High Rate PHY PAR modification (scope limit), forward to NesCom - Heile 4 1:27 PM**

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 13//0/0

# Modification of the 802.15.3a PAR Scope

From: This project will define an alternative PHY clause for a higher data rate amendment to standard 802.15.3.

To: This project will define an alternative PHY clause, **in the frequency range of up to 25GHz**, for a higher data rate amendment to standard 802.15.3.

**Passed the WG by Unanimous Consent**

Move to forward change in 802.15.3a PAR scope to NesCom

Mover: Heile    Seconder: Upton

5.20 ME 802.15.4REVb, forward new PAR to NesCom

- Heile

4

1:25 PM

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 10/1/0

# PAR for 802.15.4 REVb

Revision to 802.15.4-2003

Scope: This project will define enhancements and corrections to the existing standard. The revised standard will be backward compatible with IEEE P802.15.4-2003.

The considered enhancements shall be limited to:

- \* A method for shared time-base distribution.
- \* Support for new frequency allocations for Europe, China, and Japan.
- \* Extension of 2.4GHz derivative modulation yielding higher data rates for the lower frequency bands.
- \* Mechanism for communicating the revision level.

The considered corrections are:

- \* Resolving ambiguities.
- \* Removing unnecessary complexity, such as making GTS support optional and eliminating BUSY\_RX, BUSY\_TX, and FORCE\_TRX\_OFF from the PHY enumerations.
- \* Resolving issues such as long association time for non-beacon networks, inflexible security use, adding support for multicast, reducing MAC overhead and MAC header compression

**Passed the WG by Unanimous Consent in both January and March**

**No comments received**

**Move to forward 802.15.4b to NesCom**

**Mover: Heile    Seconder: Upton**

**5.21 ME 802.15.5 Mesh Networking in WPAN, forward new PAR to NesCom - Heile 4 1:26 PM**

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 12/0/0

## PAR for 802.15.5

Recommend Practice for Mesh Networking in WPANs

Scope: [To provide a recommended practice to provide the architectural framework enabling WPAN devices to promote interoperable, stable, and scaleable wireless mesh topologies and, if needed, to provide the amendment text to the current WPAN standards that is required to implement this recommended practice.]

**Passed the WG by Unanimous Consent in both January and March**

**No comments received**

**Move to forward 802.15.5 to NesCom**

**Mover: Heile    Seconder: Upton**



**5.22 ME 802.15.1a to Sponsor Ballot under Procedure 10**

**- Heile**

**4**

**1:30 PM**

Motion: Bob Heile  
Second: Jerry Upton  
Vote: 12/0/0

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

**Submission Title:** [Conditional Approval for 802.15.1REVa]

**Date Submitted:** [The date the document is contributed, in the format “21 May, 1999”]

**Source:** [Tom Siep] Company [TMS Consulting]

Address [Suite 100, ms 365, 1802 Pleasant Valley Dr, Garland, TX, USA, 75040]

Voice:[+1 972 496 0766], FAX: [+1 469 366 1480], E-Mail:[tom.siep@ieee.org]

**Re:** [Original]

**Abstract:** [Request to 802 SEC for Conditional Approval]

**Purpose:** [Invoke Procedure 10 for 802.15.1REVa]

**Notice:** This document has been prepared to assist the IEEE P802.15. 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 acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.

## Procedure 10 for 802.15REVa

Letter Ballot Began	January 12, 2004 at 1800 EST
Letter Ballot Ended	February 13, 2004 at 2300 EST
Vote talley (Yes/No/Abstain)	115/2/33 – 98%
# Tech comments	4
# Unresolved Tech comments	1 – pending possible email resolution (see next slide)
Estimated Start Recirculation	1 Apr 04 (10 Day)
Estimated Start Sponsor Ballot	15 Apr 04

## Email to David Cypher

Hello David,

The comment resolution team has accepted and will apply all of your remedies with the exception of the last one:

Start a new letter ballot that is nothing more than the following statement: "Do you approve the Bluetooth Specification 1.2 "as is" to be forwarded to IEEE 802 for approval as an IEEE Standard?"

The comment resolution team respectfully requests you to withdraw this particular comment. We believe the suggested remedy to be infeasible.

Please advise if you accept this resolution and therefore can turn your "no" vote to a "yes", conditional upon acceptable application of your remaining remedies.

**{DAVID DECLINED TO RECIND HIS REMAINING OUTSTANDING COMMENT}**

## Motion within the Working Group

- The Working Group approves forwarding Draft 4 of 802.15.1REVA to the EC for Conditional Approval under the Procedure 10 rules of the LMSC
  - Moved: Tom Siep
  - Seconded: John Barr
- 39 for, 0 no, 6 abstain

## Motion

- Move to forward Draft 4 of 802.15.1REVA to the Sponsor Ballot under the Procedure 10 rules of the LMSC
  - Moved: Heile
  - Seconded: Kerry

5.24 ME 802.16/Conformance03, forward to RevCom

- Marks

4

1:24 PM

Motion: Roger Marks  
Second: DJ Johnston  
Vote: 13/0/0

# Motion

Forward, to RevCom, the RevCom Submittal  
Package for P802.16/Conformance03/D3

Moved: Marks

Seconded: Johnston

Approve: 13

Disapprove: 0

Abstain: 0



## IEEE 802.16 Working Group on Broadband Wireless Access



<http://WirelessMAN.org>

Dr. Roger B. Marks, Chair  
325 Broadway, MC 813.00  
Boulder, CO 80305 USA  
Tel: +1 303 497 3037  
<mailto:r.b.marks@ieee.org>  
19 March 2004

Dear IEEE-SA RevCom:

This submittal is an application for approval of P802.16/Conformance03/D3 (“Draft Standard for Conformance to IEEE Standard 802.16 Part 3: Radio Conformance Tests (RCT) for 10-66 GHz WirelessMAN-SC Air Interface”).

Attached to this letter, please find the following:

Page 2-5: IEEE-SA Standards Board Form for Submittal of Proposed Standards  
Page 6-10: Summary of initial ballot results (39 affirmative, 0 negative, 1 abstain)  
Page 11: Recirculation ballot cover letter  
Page 12-16: Summary of recirculation ballot results (40 affirmative, 0 negative, 1 abstain, no comments)  
Page 17-18: PAR  
Page 19: PAR Approval Letter  
Page 20: PAR Renumbering Letter

The draft itself (P802.16/Conformance03/D3) will be included separately in PDF format. It has been supplied to the IEEE Staff Project Editor in FrameMaker format.

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

Sincerely,

Roger B. Marks

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

---

**1. PROJECT NUMBER:** P802.16/Conformance03/D3

**2. DATE:** 1 Mar 2004

**3. TITLE:** Draft Standard for Conformance to IEEE Standard 802.16 Part 3: Radio Conformance Tests (RCT) for 10-66 GHz WirelessMAN-SC Air Interface

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

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

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

---

**7. NAME AND ADDRESS OF SUBMITTER**

Roger B. Marks  
NIST  
325 Broadway, MC 813.00  
Boulder, CO 80305  
USA

Telephone: +1 303 497 3037

Fax: +1 303 497 7828

E-Mail: r.b.marks@ieee.org

---

**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) \_\_\_\_\_

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	8	Producer	12	General Interest	17	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 D2 Number	Date Closed: 2003-12-19 Percentage	Draft D3 Number	Date Closed: 2004-02-29 Percentage
Ballots Mailed	49	100%	49	100%
Ballots Returned	40	81	41	83
Affirmatives	39	100	40	100
Negatives	00	N/A	00	N/A
Abstentions	01	02	01	02
Reasons for abstentions:	Lack of time = 1		Lack of expertise = 0	
			Other = 0	

**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)	R		
SCC14 (Quantities, Units, & Letter Symbols)	NR		
IEEE Standards Editorial Staff	R		

Indicate below any unresolved problems from coordination activities.

None. No comments.

**12. PATENT/COPYRIGHT and REGISTRATION ISSUES**

- A. Is there any patented material in the proposed standard?  Yes  No  Originally indicated on the PAR, but not included in the final document  
If yes, include letters(s) of assurance from the patent holder.
- 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

**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	<a href="http://iee802.org/16/docs/04/80216-04_08.pdf">http://iee802.org/16/docs/04/80216-04_08.pdf</a>
X	Ballot summary form(s) (1 per ballot cycle)	<a href="http://iee802.org/16/docs/04/80216-04_08.pdf">http://iee802.org/16/docs/04/80216-04_08.pdf</a>
N/A	Copies of unresolved negatives & rebuttals	
X	PAR and PAR approval letter	<a href="http://iee802.org/16/docs/04/80216-04_08.pdf">http://iee802.org/16/docs/04/80216-04_08.pdf</a>
N/A	Coordination comments and responses	
X	.pdf of final balloted draft #D3	<a href="http://iee802.org/16/private/drafts/tgc/P80216_Conf03_D3.zip">http://iee802.org/16/private/drafts/tgc/P80216_Conf03_D3.zip</a>
N/A	Permissions & copyright releases	
N/A	Delegation of balloting authority	

**PROJECT NUMBER:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

*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.*

**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

**Ballot Summary**

P802.16/Conformance03

Closing date: 2003-12-19

**1. This ballot has met the 75% returned ballot requirement.**

49 eligible people in this ballot group.

```

39 affirmative votes
 0 negative votes with comments
 0 negative votes without comments
 1 abstention votes
=====
40 votes received = 81% returned
                   2% abstention

```

**2. The 75% affirmation requirement is being met.**

```

39 affirmative votes
 0 negative votes with comments
=====
39 votes = 100% affirmative

```

**Ballot Details****Coordination Responses Only**

IEEE/Coord Number	Name	Role	Phone / E-mail	Coordination Ballot Received	Coordination Comment(s) Received
	<a href="#">Bruce Barrow</a>	SCC14		-	-
	<a href="#">Editorial Coordinator</a>	Editorial		-	-
	<a href="#">SCC10 Coordinator</a>	SCC10		yes	-

**Balloters**

Number	Name	Phone / E-mail	Vote	T	E	Graphics	Status Notes	Interest Category
	<a href="#">John Barnett</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">Harry Bims</a>		Approve, comments (Y1)	-	1	1		Producer
	<a href="#">Mitchell Buchman</a>		-	-	-	-		Government
	<a href="#">Naftali Chayat</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">Aik Chindapol</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Todor Cooklev</a>		Approve, no comments (Y)	-	-	-		Government

	<a href="#">Dr. Guru Dutt Dhingra</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">Thomas Dineen</a>		Approve, comments (Y1)	-	-	-	Approve, comments without comment	Producer
	<a href="#">Dr. Sourav Dutta</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Avraham Freedman</a>		Approve, comments (Y1)	-	1	-		General Interest
	<a href="#">Theodore Georgantas</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">Andrew Germano</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Qiang Guo</a>		-	-	-	-		General Interest
	<a href="#">Raj Jain</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">David James</a>		-	-	-	-		User
	<a href="#">EFTHYMIOS KARABETSOS</a>		Approve, no comments (Y)	-	-	-		Government
	<a href="#">Stuart Kerry</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Brian Kiernan</a>		Approve, no comments (Y)	-	-	-		General Interest

	<a href="#">Pi-Cheng Law</a>		-	-	-			User
	<a href="#">Yeou-Song Lee</a>		-	-	-			User
	<a href="#">Christina Lim</a>		Approve, comments (Y1)	-	1	1		General Interest
	<a href="#">Randolph Little</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Gregory Luri</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">Roger Marks</a>		Approve, comments (Y1)	-	1	-		Government
	<a href="#">Kevin Marquess</a>		Approve, comments (Y1)	-	2	-		User
	<a href="#">Russell McKown</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">Ingolf Meier</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">George Miao</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Yinghua Min</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Charles Ngethe</a>		Approve, no comments (Y)	-	-	-		User



	<a href="#">Roger Pandanda</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Ashley Peacock</a>		-	-	-	-	General Interest
	<a href="#">Subbu Ponnuswamy</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Vikram Punj</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">Eugene Robinson</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Osman Sakr</a>		-	-	-	-	General Interest
	<a href="#">Gil Shultz</a>		-	-	-	-	User
	<a href="#">Yoram Solomon</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">Kenneth Stanwood</a>		Approve, comments (Y1)	1	-	1	Producer
	<a href="#">Carl Stevenson</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">Scott Valcourt</a>		-	-	-	-	General Interest
	<a href="#">Stanley Wang</a>		Approve, no comments (Y)	-	-	-	Producer

	<a href="#">Hung-yu Wei</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Menzo Wentink</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Oren Yuen</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">SURONG ZENG</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">zion hadad</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">kevin karcz</a>		Abstain for lack of time (A1)	-	-	-		General Interest
	<a href="#">michael newman</a>		Approve, no comments (Y)	-	-	-		User
<b>Comment Totals *</b>				<b>1</b>	<b>6</b>	<b>3</b>		
(* You have at least these many comments: each unstructured binary file (i.e., Word) is counted as a single G file, which may consist of one or hundreds of individual T and E comments.								

**Summary of Eligible Voters by Interest Category**

Interest Category	Affirmative(s)	Negative(s) with Comments	Negative(s) without Comments	Abstention(s)	Not Returned	Total
User	8	0	0	0	4	12
Producer	12	0	0	0	0	12
General Interest	16	0	0	1	4	21
Government	3	0	0	0	1	4
<b>Voting Tally</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>49</b>

<b>Abstention details:</b>	1 for lack of time (A1)	0 for lack of expertise (A2)	0 for other reasons (A3)
----------------------------	-------------------------	------------------------------	--------------------------

## IEEE 802.16 Working Group on Broadband Wireless Access

<http://WirelessMAN.org>



Dr. Roger B. Marks  
325 Broadway, MC 813.00  
Boulder, CO 80305 USA  
Tel: +1 303 497 3037  
<mailto:r.b.marks@ieee.org>  
11 February 2004

Dear P802.16/Conformance03 Balloting Group:

Thank you for your participation in the Sponsor Ballot for P802.16/Conformance03, which closed on 19 December 2003. The results are, in summary, 39 Approve, 0 Disapprove, 1 Abstain, and 9 Not Voting. By virtue of these numbers, the ballot is considered to have passed, pending recirculation of comments and changes.

We considered and responded to the 31 comments we received. Resolutions were approved by the IEEE 802.16 Working Group on Broadband Wireless Access, acting as the Ballot Resolution Committee.

We are requesting that the IEEE Balloting Center initiate a fifteen-day recirculation of the comment resolutions (see file **80216-03\_59r3.pdf**) and of the resulting new draft P802.16/Conformance03/D3 (file **P80216\_Conf03\_D3.pdf**). We have included in the package all 31 comments, though none were cast by Disapprove voters since the approval vote was unanimous.

Please take this opportunity to review the package. You are not obligated to reply; if you do not, your current vote will stand. Based on the changes to the draft or on the Disapprove comments and responses, you may change your vote and/or submit additional comments. If you wish to re-vote or comment, please keep the deadline in mind. Instructions have been provided by the IEEE Balloting Center.

Sincerely,

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

**Ballot Summary**

P802.16/Conformance03 Recirculation  
Closing date: 2004-02-29

This is a recirculation ballot. The report collates the results from the following groups: 0000639 0000733.

**1. This ballot has met the 75% returned ballot requirement.**

49 eligible people in this ballot group.

40 affirmative votes  
0 negative votes with comments  
0 negative votes without comments  
1 abstention votes

=====

41 votes received = 83% returned  
2% abstention

**2. The 75% affirmation requirement is being met.**

40 affirmative votes  
0 negative votes with comments

=====

40 votes = 100% affirmative

**Ballot Details****Coordination Responses Only**

IEEE/Coord Number	Name	Role	Phone / E-mail	Coordination Ballot Received	Coordination Comment(s) Received
	<a href="#">Bruce Barrow</a>	SCC14		-	-
	<a href="#">Editorial Coordinator</a>	Editorial		yes*	-
	<a href="#">SCC10 Coordinator</a>	SCC10		yes*	-

**Balloters**

Number	Name	Phone / E-mail	Vote	T	E	Graphics	Status Notes	Interest Category
	<a href="#">John Barnett</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">Harry Bims</a>		Approve, comments (Y1)	-	1	1		Producer
	<a href="#">Mitchell Buchman</a>		-	-	-	-		Government
	<a href="#">Naftali Chayat</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">Aik Chindapol</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Todor Cooklev</a>		Approve, no comments (Y)*	-	-	-		Government

	<a href="#">Dr. Guru Dutt Dhingra</a>		Approve, no comments (Y)*	-	-	-	User
	<a href="#">Thomas Dineen</a>		Approve, comments (Y1)	-	-	-	Approve, comments without comment Producer
	<a href="#">Dr. Sourav Dutta</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Avraham Freedman</a>		Approve, comments (Y1)	-	1	-	General Interest
	<a href="#">Theodore Georgantas</a>		Approve, no comments (Y)*	-	-	-	Producer
	<a href="#">Andrew Germano</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Qiang Guo</a>		-	-	-	-	General Interest
	<a href="#">Raj Jain</a>		Approve, no comments (Y)*	-	-	-	User
	<a href="#">David James</a>		-	-	-	-	User
	<a href="#">EFTHYMIOS KARABETSOS</a>		Approve, no comments (Y)	-	-	-	Government
	<a href="#">Stuart Kerry</a>		Approve, no comments (Y)*	-	-	-	General Interest

	<a href="#">Brian Kiernan</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Pi-Cheng Law</a>		-	-	-			User
	<a href="#">Yeou-Song Lee</a>		-	-	-			User
	<a href="#">Christina Lim</a>		Approve, comments (Y1)	-	1	1		General Interest
	<a href="#">Randolph Little</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Gregory Luri</a>		Approve, no comments (Y)	-	-	-		User
	<a href="#">Roger Marks</a>		Approve, comments (Y1)	-	1	-		Government
	<a href="#">Kevin Marquess</a>		Approve, comments (Y1)	-	2	-		User
	<a href="#">Russell McKown</a>		Approve, no comments (Y)	-	-	-		Producer
	<a href="#">Ingolf Meier</a>		Approve, no comments (Y)*	-	-	-		Producer
	<a href="#">George Miao</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Yinghua Min</a>		Approve, no comments (Y)	-	-	-		General Interest
	<a href="#">Charles Ngethe</a>		Approve, no comments (Y)	-	-	-		User

	<a href="#">Roger Pandana</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Ashley Peacock</a>		-	-	-	-	General Interest
	<a href="#">Subbu Ponnuswamy</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Vikram Punj</a>		Approve, no comments (Y)*	-	-	-	Producer
	<a href="#">Eugene Robinson</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Osman Sakr</a>		-	-	-	-	General Interest
	<a href="#">Gil Shultz</a>		-	-	-	-	User
	<a href="#">Yoram Solomon</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">Kenneth Stanwood</a>		Approve, comments (Y1)	1	-	1	Producer
	<a href="#">Carl Stevenson</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">Scott Valcourt</a>		Approve, no comments (Y)*	-	-	-	General Interest
	<a href="#">Stanley Wang</a>		Approve, no comments (Y)	-	-	-	Producer

	<a href="#">Hung-yu Wei</a>		Approve, no comments (Y)*	-	-	-	General Interest
	<a href="#">Menzo Wentink</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">Oren Yuen</a>		Approve, no comments (Y)	-	-	-	User
	<a href="#">SURONG ZENG</a>		Approve, no comments (Y)	-	-	-	General Interest
	<a href="#">zion hadad</a>		Approve, no comments (Y)	-	-	-	Producer
	<a href="#">kevin karcz</a>		Abstain for lack of time (A1)	-	-	-	General Interest
	<a href="#">michael newman</a>		Approve, no comments (Y)	-	-	-	User
<b>Comment Totals *</b>				<b>1</b>	<b>6</b>	<b>3</b>	
<p>(*) You have at least these many comments: each unstructured binary file (i.e., Word) is counted as a single G file, which may consist of one or hundreds of individual T and E comments.</p> <p>* This ballot cast this ballot in the current circulation of this recirc ballot.</p>							

**Summary of Eligible Voters by Interest Category**

Interest Category	Affirmative(s)	Negative(s) with Comments	Negative(s) without Comments	Abstention(s)	Not Returned	Total
User	8	0	0	0	4	12
Producer	12	0	0	0	0	12
General Interest	17	0	0	1	3	21
Government	3	0	0	0	1	4
<b>Voting Tally</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>49</b>

<b>Abstention details:</b>	1 for lack of time (A1)	0 for lack of expertise (A2)	0 for other reasons (A3)
----------------------------	-------------------------	------------------------------	--------------------------



# PAR FORM

**PAR Status:** New PAR  
**PAR Approval Date:** 2003-03-20  
**PAR Signature Page on File:** No  
**Review of Standards Development Process:** No

**1. Assigned Project Number:** 1802.16.3

**2. Sponsor Date of Request:** 2003-02-07

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Standard for Conformance to IEEE Standard 802.16 - Part 3: Radio Conformance Tests (RCT) for 10-66 GHz WirelessMAN-SC™  
Air Interface

**5. Life Cycle:** Full Use

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** No

**6b. The Project is a:** New Standard

**7. Contact Information of Working Group:**

**Name of Working Group:** IEEE 802.16 Working Group on Broadband Wireless Access

**Name of Working Group Chair:** Roger B Marks

**Telephone:** 303-497-3037 **FAX:** 509-756-2642

**Email:** r.b.marks@ieee.org

**8. Contact Information of Official Reporter (If different than Working Group Chair)**

**Name of Official Reporter:** (if different than WG contact)

**Telephone:** **FAX:**

**Email:**

**9. Contact Information of Sponsoring Society or Standards Coordinating Committee:**

**Name of Sponsoring Society and Committee:** Computer Society Local and Metropolitan Area Networks

**Name of Sponsoring Committee Chair:** Paul Nikolich

**Telephone:** 857-205-0050 **FAX:** 781-334-2255

**Email:** p.nikolich@ieee.org

**Name of Liaison Rep. (If different than Sponsor Chair):**

**Telephone:** **FAX:**

**Email:**

**10. The Type of ballot is:** Individual Sponsor Ballot

**Expected Date of Submission for Initial Sponsor Ballot:** 2003-08-05

**11. Fill in Projected Completion Date for Submittal to RevCom:** 2004-02-05

**Explanation for Revised PAR that Completion date is being extended past the original four-year life of the PAR:**

**12. Scope of Proposed Project:**

This standard represents the Radio Conformance Test (RCT) specification for base stations and subscriber stations based upon the WirelessMAN-SC (TM) (10-66 GHz) air interface specified in IEEE Standard 802.16.

**13. Purpose of Proposed Project:**

These radio conformance test specifications form the basis of conformance and interoperability testing at the radio interface.

**14. Intellectual Property:**

**Sponsor has reviewed the IEEE patent policy with the working group? Yes**

**Sponsor is aware of copyrights relevant to this project? Yes**

**Sponsor is aware of trademarks relevant to this project? Yes**

**Sponsor is aware of possible registration of objects or numbers due to this project? No**

**15. Are you aware of other standards or projects with a similar scope? No**

**Similar Scope Project Information:**

**16. Is there potential for this standard (in part or in whole) to be submitted to an international organization for review/adoption?: Do not Know**

**If yes, please answer the following questions:**

**Which International Organization/Committee?**

**International Contact  
Information?**

**17. Will this project focus on Health, Safety or Environmental Issues? No**

**18. Additional Explanatory Notes: (Item Number and Explanation)**

[Email This Letter](#)

24 March 2003

Paul Nikolich  
18 Bishops Lane  
Lynnfield, MA 01940  
p.nikolich@ieee.org

Re: P1802.16.3 - Standard for Conformance to IEEE Standard 802.16 - Part 3: Radio Conformance Tests (RCT)  
for 10-66 GHz WirelessMAN-SC™ Air Interface

Dear Paul:

I am pleased to inform you that on 20 March 2003 the IEEE-SA Standards Board approved the above referenced project until 31 December 2007. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1802-16-3.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2f under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 18 June 2003.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
Senior Administrator  
IEEE-SA Governance and Electronic Processes  
Standards Activities  
Phone +1 732 562 6367  
FAX +1 208 460 5300  
Email: [j.haasz@ieee.org](mailto:j.haasz@ieee.org)

**Jodi Haasz**

06/17/2003 03:46 PM

To: p.nikolich@ieee.org  
cc: r.b.marks@ieee.org  
Subject: P1802.16.1, P1802.16.2 and P1802.16.3

17 June 2003

Paul Nikolich  
18 Bishops Lane  
Lynnfield, MA 01940

Dear Paul:

On 12 June 2003, the IEEE-SA Standards Board approved a change in project number for the above-referenced projects. The new project numbers are shown below:

P802.16/Conformance01-200x (was P1802.16.1) (C/LM) Standard for Conformance to IEEE Standard 802.16  
- Part 1: Protocol Implementation Conformance Statement (PICS) Proforma for 10-66 GHz WirelessMAN-SC Air Interface

P802.16/Conformance02-200x (was P1802.16.2) (C/LM) Standard for Conformance to IEEE Standard 802.16  
- Part 2: Test Suite Structure and Test Purposes (TSS&TP) for 10-66 GHz WirelessMAN-SC Air Interface

P802.16/Conformance03-200x (was P1802.16.3) (C/LM) Standard for Conformance to IEEE Standard 802.16  
- Part 3: Radio Conformance Tests (RCT) for 10-66 GHz WirelessMAN-SC(TM) Air Interface

If you should have any questions regarding this action, please feel free to contact me.

Best regards,

Jodi Haasz  
Program Manager  
International Stds Programs and Governance  
Standards Activities  
Phone +1 732 562 6367  
FAX +1 208 460 5300  
Email: j.haasz@ieee.org

Motion: Roger Marks

Second: Stuart Kerry

Discussion on the extent to which comments have been substantially addressed. Roger went over how many of the comments were withdrawn. At that point the WG decided to proceed. DJ mentioned that many of the original comments were his and he withdrew them. Bob Grow asked why not use a email ballot. Roger believes they have met Procedure 10 and the email ballot could potentially prevent getting on the RevCom agenda. One of the two remaining No votes just changed his vote to a Yes.

Vote: 13/0/0

# P802.16-REVd to RevCom: Conditional Approval

19 March 2004

# Rules

Motions requesting conditional approval to forward where the prior ballot has closed shall be accompanied by:

- Date the ballot closed
- Vote tally including Approve, Disapprove and Abstain votes
- Comments that support the remaining disapprove votes and Working Group responses.
- Schedule for confirmation ballot and resolution meeting.

# Date the ballot closed

- 13 March 2004
- (opened 12 February 2004)



# Vote tally including Approve, Disapprove and Abstain votes

- 59 Approve
- 2 Disapprove
  - Neil Shipp
  - Nico van Waes
- 1 Abstain
- 18 not voting

# Comments that support the remaining disapprove votes and Working Group responses.

- Four outstanding Binding comments
  - Three from one voter, one from another
- Three of the comments were accepted
  - One voter not present to indicate satisfaction
  - One voter left meeting before indicating satisfaction
- One comment was rejected

# Schedule for confirmation ballot and resolution meeting.

- March 26: new draft
- March 27-Apr 11: 15 day recirc
- Apr 14: reply comments due
- Apr 16: resolutions proposed
- Apr 20: WG responses
- Apr 23: recirc requested
- Apr 16 - May 11: 15-day recirc

# 802.16 WG Motion

802.16 Closing Plenary: 18 March 2004:

Motion 12: To request conditional approval from the LMSC EC to forward P802.16-REVd to RevCom

Approved: 59-0-0.

# Motion

To approve, under Procedure 10, forwarding  
P802.16-REVd to RevCom

Moved: Marks

Seconded: Kerry

Approve: 13

Disapprove: 0

Abstain: 0

5.27 ME 802.17a RPR, forward to Sponsor Ballot

- Takefman

4

1:45 PM

Motion: Mike Takefman  
Second: Carl Stephenson  
Vote: 12/0/0



# IEEE 802.17 Resilient Packet Ring

Request for Approval to Forward  
802.17a D2.0 to Sponsor Ballot

Michael Takefman, Chair



# History



- D1.0 passed with Approve 45, Disapprove 0, Abstain 0
  - Return rate 56%
- D1.1 passed with Approve 45, Disapprove 0, Abstain 0
  - Comment resolution on D1.1 yielded no changes to the draft
  - 0 technical binding comments
  - 1 technical comment that will be resubmitted during Sponsor Ballot





# WG Ballot History

Draft	Approve	Disapprove	Abstain	Pass Rate
D1.0	45	0	0	100%
D1.1	45	0	0	100%

- Return Rate 56%, Abstain Rate 0%



# Disapprove Voters



Voter	Unresolved TB Rejects	Unresolved TB Accept Modify



# Plan Moving Forward

- Comment Resolution Databases and drafts available @
  - [http://www.ieee802.org/17/member/802\\_17a/index.htm](http://www.ieee802.org/17/member/802_17a/index.htm)
- Start Sponsor Ballot
  - Immediately following Plenary
  - CR at interim session or conference call in April
- Revcom submittal
  - Once sponsor ballot is complete, a determination will be made as to which RevCom meeting is targeted and an EC email ballot will be run as required
    - June 2004 meeting is possible
    - September 2004 meeting is a given



# 802.17 WG Motions

- Move to rename P802.17a D1.1 to P802.17a D2.0 and to request 802 EC to forward 802.17a D2.0 to Sponsor Ballot.

M: Jones

S: Castellano

– Y:17

N:0

A:0



# EC Motion

- Move to forward P802.17a D2.0 to Sponsor Ballot

M: Takefman

S: Stevenson

– Y:

N:

A:

Motion: Mike Takefman

Second: Bob Grow

Mike reviewed the names of the No voters and the numbers of their comments. Was there any controversy over rejecting the larger number of comments from one voter? Mike: No. Mike gave a technical summary of Dr. James comment, which centered on the fairness algorithm.

Vote: 13/0/0



# IEEE 802.17 Resilient Packet Ring

## Request for Conditional Approval to Forward P802.17 to RevCom

### Michael Takefman, Chair



# D3.1 Summary

- Ballot closed on March 12, 2004
- Passed with Approve 75, Disapprove 4, Abstain 5 (94.9% approve, 84% return)
  - 2 negatives voters flipped, 1 new approve
  - 2 approve voters flipped
    - 1 flipped back after comment resolution





# D3.1 Summary

- 188 Technical Binding comments / 14 Duplicates
  - 89 Rejected
- 71 TNB comments / 25 Duplicates
  - 1 Rejected
- 141 Editorial comments / 57 Duplicates
  - 3 Rejected
- Comment resolution on D3.1 yielded changes to the draft
  - No significant technical changes were made
  - Strong belief on the part of the WG that further recirculation ballots are not likely to uncover technical issues



# WG Ballot History

Draft	Approve	Disapprove	Abstain	Pass Rate
D3.0	72	4/1	6	94.7%
D3.1	75	4	4	94.9%
D3.1*	76	3	4	96.2%

- Return Rate 86%, Abstain Rate 5.7% to 2.9%



# Post CR D3.1 Unsatisfied Negatives



Voter	Unresolved TB Rejects	Unresolved TB Accept Modify
Don O'Connor	0	0
Robert Castellano	1	0
David Guvstavson	3	0
David James	85	11

\* Comment resolved with suggested remedy – commenter does not reply to email



# Post CR D3.0 Unsatisfied Negatives



Voter	Unresolved TB Rejects	Unresolved TB Accept Modify
Robert Castellano	1	3
David James	10	9

\* Comment resolved with suggested remedy – commenter does not reply to email



# Plan Moving Forward

- Comment Resolution Databases and drafts available @
  - <http://www.ieee802.org/17/member/draftballots/index.htm>
- 15 day Recirculation Ballot
  - Interim Session April 21/22, Location TBD
- 15 day Recirculation Ballot
- RevCom submittal
  - June 2004 meeting



# 802.17 WG Motions

- Move to authorize the Chief Editor and the editorial team to create P802.17/D3.2 based on P802.17/D3.1 and the instructions contained within those comment resolutions and motions that have been formally approved at the March 2004 meeting in Orlando, and forward it for recirculation among the P802.17 sponsor ballot group.

M: Jones

S: Lemon

– Y:15

N:0

A:0

- Move to authorize the Chair to request conditional approval to forward the draft of P802.17 under Procedure 10 of the LMSC rules.

M: Takefman

S: Jones

– Y:11

N:1

A:2



# EC Motion

- Move to conditionally approve forwarding P802.17 to RevCom under procedure 10 of the LMSC P&P.

M: Takefman

S: Grow

– Y: 13    N: 0    A: 0

6.00

<b>Executive Committee Study Groups &amp; Working Groups</b>

-

6.01

MI

**Affirmation of LMSC Chair**

-

**Thompson**

**5**

**02:30 PM**

Moved: To affirm the election of Paul Nikolich as the chair of LMSC for the two year term beginning after the close of this (March 2004) session.

Motion: Bob Grow

Second: Buzz Rigsbee

Vote: 12/0/0

6.02

MI

**Affirmation of 1st Vice Chair, 2nd Vice Chair, Treasurer,  
Executive Secretary, Recording Secretary**

-

**Nikolich**

**5**

**02:35 PM**

Motion to Affirm the appointment of Mat Sherman as first vice chair, Bill Quackenbush as treasurer, Buzz Rigsbee as executive secretary, and Bob O'Hara as recording secretary of the LMSC for the two year term beginning after the close of this (March 2004) session.

Motion: Bob Grow

Second: Tony Jeffree

Vote: 13/0/0

Motion to affirm Howard Frazer as SEC second vice chair

Motion: Geoff Thompson

Second: Bill Quackenbush

Discussion: Howard described his experience. Stuart: What are the roles of the two vice chairs? They share the work. The first VC takes over in case the chair is unavailable. The second takes over in case the first chair is unavailable.

Vote: 13/0/0

Wael Dire described his background. He is considering running for treasurer when Bill Quackenbush steps down.

6.03

MI

**Affirmation of 802.21 WG officers**

-

**Nikolich**

**5**

**02:44 PM**

Motion: DJ Johnson

Second: Carl Stephenson

Vote: 13/0/0



- 802.21 Election Results
- Candidate for Chair
  - Ajay Rajkumar
  - 36 votes
- Candidate for Vice Chair
  - Michael Williams
  - 36 votes

# Motion

- Request that the SEC affirm the appointment of the following Officers of 802.21:
  - Chair: Ajay Rajkumar
  - Vice-Chair: Michael Williams
- Moved: Johnston
- Second:
  - For: Against: Abstain:

**6.04 MI Affirmation of 802.20 WG officers**

**- Nikolich**

**5 02:54 PM**

Motion: Jerry Upton

Second: Stuart Kerry

Discussion: Mike: Do you believe that you have done a good job in addressing the issue of "dominance" in the WG. Jerry: Yes.

Mike: How? Jerry: I allow discussion, do not prevent people from voicing their opinion. I run roll call votes.

Vote: 8/0/3

# 802.20 WG – March 2004 Plenary

## Officers' Election Results

### Chair Candidates and Results:

Jerry Upton - - 72

Robert Love - - 28

Mark Klerer - - 27

### Procedural Vice Chair (1<sup>st</sup>)

Gang Wu - - 93

(no opposition, but balloted for re-affirmation)

### Liaison Vice Chair:

Eshwar Pittampalli - - 78

Joanne Wilson - - 30

# Officers' Election Process

1. Conducted per Election Process (very similar to the posted 802.16 election process) posted as part of Working Group P&P before the Vancouver Interim Session.
2. Written anonymous ballots were used for the three elections.
3. Only members with voting tokens received the ballots.
4. All members were required to sign an affiliation statement book per the WG Policies and Procedures before receiving a voting token.
5. Individuals, whose attendance records for March 2003 required clarification, signed letters of clarification before receiving a token.
6. Karen, IEEE staff, was a “tally taker” in addition to an WG officer. Karen also has the ballots and copies of the voters list, affiliations books and clarification letters.
7. A number of Executive Committee members observed or helped in conducting the election.

## 802.20 WG – Chair Confirmation Motion

Move the 802 Executive Committee confirm  
Jerry Upton as the 802.20 Working Group Chair.

Mover: Jerry Upton

Second: Stuart Kerry

802.20 WG – Procedural (1<sup>st</sup>) Vice Chair  
Confirmation Motion

Move the 802 Executive Committee confirm  
Gang Wu as the 802.20 Working Group  
Procedural (1<sup>st</sup>) Vice Chair.

Mover: Jerry Upton

Second: Stuart Kerry

802.20 WG – Liaison Vice Chair  
Confirmation Motion

Move the 802 Executive Committee confirm  
Eshwar Pittampalli as the 802.20 Working Group  
Liaison Vice Chair.

Mover: Jerry Upton  
Second: Stuart Kerry



**6.05 MI Affirmation of 802.19 TAG officers - Nikolich 5 03:01 PM**

Motion: Jerry Upton  
Second: Matthew Sherman  
Vote: 12/0/0

**6.06 MI Affirmation of 802.18 TAG officers - Nikolich 5 03:04 PM**

Motion: Stuart Kerry  
Second: DJ Johnson  
Vote: 13/0/0

**6.07 MI Affirmation of 802.17 WG officers - Nikolich 5 03:04 PM**

Motion: Tony Jeffree  
Second: Bob Grow  
Vote: 11/0/1

## 802.18 Motion to EC

**Date:** 03/19/2004

**Motion by:** 802.18 – Stevenson

**Seconded by:**

The incumbent Chair and Vice-chair were the only candidates.

Nominations remained open until immediately before the elections

9 voting members were present in the meeting during which elections were held.

(Some members came in for the election, but then left to attend other groups due to other activities.)

(The Chairs of the other wireless WGs and TAG were not present, presumably due to their other duties)

Both the incumbent Chair and Vice-chair were re-elected/affirmed by acclamation/unanimous consent.

**Moved:**

To confirm the officers elected/re-affirmed by 802.18.

Chair - Carl R. Stevenson (Agere Systems)

Vice-chair – Denis Kuwahara (Boeing)

**Approve: Do Not Approve: Abstain: Motion:**

# Election Results for 802.17

Michael Takefman ran unopposed and was unanimously elected as Chair of 802.17 (14 voters present)

John Lemon ran unopposed and was unanimously elected as Vice-Chair of 802.17 (16 voters present)

Motion 2004-03-19

Time: 2:55 pm

Move to confirm the election of the officers of 802.17:

Michael Takefman

Chair

John Lemon

Vice-Chair

M: Jeffree

S: Grow

Y:

N:

A:

**6.08 MI Affirmation of 802.16 WG officers**

- **Nikolich**

**5**

**03:10 PM**

Motion: Roger Marks  
Second: Carl Stephenson  
Vote: 12/0/0

# Motion

To confirm the election of 802.16 WG Officers:  
Roger Marks as Chair and Ken Stanwood as  
Vice Chair

Moved: Marks

Seconded: Stevenson

Approve: 12

Disapprove: 0

Abstain: 0

# 802.16 WG Elections

- 802.16 Opening Plenary, 15 March
- Per documented 802.16 procedures
- Both candidates ran unopposed
- Paper ballot
  - Chair: Roger Marks: 64 votes
  - Vice Chair: Ken Stanwood: 65 votes

**6.09 MI Affirmation of 802.15 WG officers**

- **Nikolich 5 03:12 PM**

Chairman: Bob Heile  
Vice Chair: Jim Allen  
Co- Vice Chair: Pat Kinney  
And to appoint John Barr as treasurer.

Motion: Bob Heile  
Second: Carl Stephenson  
Vote: 11/0/1

**6.10 MI Affirmation of 802.11 WG officers**

- **Nikolich 5 03:19 PM**

There were 338 people in the room when the officers were elected by acclamation.  
Motion: Carl Stephenson  
Second: Buzz Rigsbee  
Vote: 11/0/1



## 802.15 Officer Re-affirmation

Chair: Robert F. Heile

Reaffirmed by Acclimation

Vice Chair: James D. Allen

Reaffirmed by Acclimation

Co Vice Chair: Patrick Kinney

Elected by Acclimation

~150 out of 240 voting members present

From Stuart

**6.11 MI Affirmation of 802.3 WG officers**

- **Nikolich**

**5**

**03:29 PM**

Motion: Tony Jeffree  
Second: Geoff Thompson  
Vote: 12/0/0

# Motion: 802.3 Officers

---

The LMSC Executive Committee confirms the election of Robert Grow as Chair of IEEE 802.3 and David Law as Vice-Chair of IEEE 802.3

M: T. Jeffree, S: G. Thompson

Working Group vote

Chair Y: 81, N: 0, A: 0

Vice Chair – Y: 84, N: 0, A: 0

**6.12 MI Affirmation of 802.1 WG officers**

- **Nikolich**

**5**

**03:23 PM**

Motion: Bob Grow  
Second: Geoff Thompson  
Vote: 12/0/0

# MOTION

- Request that the SEC confirm the election of the following Officers of 802.1:
  - Chair: Tony Jeffree
  - Vice-Chair: Paul Congdon
- 802.1 Proposed: Lane Second: Romascanu
  - For: 32 Against: 0 Abstain: 0
- SEC Proposed: Grow Second: Thompson
  - For: Against: Abstain:

6.14	MI*	Affirm continuation of Ethernet over Backplane Study Group	-	Grow	0	03:39 PM
6.15	MI*	Affirm continuation of 10GbE for FDDI grade MMF Study Group	-	Grow	0	03:39 PM
6.16	MI	Affirm formation of 802.3 Rate Management Study Group	-	Grow	5	03:25 PM

Motion: Bob Grow

Second: Carl Stephenson

Discussion: Geoff: According the LMSC rules, the SEC does not approve the formation of a study group. I have suspicion that this should be placed as a executive study group. Howard Frazer: Clarified the rules, by reading from the SEC P&P. Bob Grow: 802.3 has demonstrated in the past that if it need to be placed in another location the WG would be fine with that. Howard: There is concern in the WG that there is a broad scope and it could be outside the scope of the WG.

Vote: 11/1/0

# Motion: Create Rate Management SG

---

The LMSC Executive Committee  
approves the creation of the IEEE 802.3  
Rate Management Study Group

M: R. Grow, S:

Y: N: A:

Working Group vote

Y: 81, N: 0, A: 0



# WG actions on Rate Management SG

---

- Backplane Ethernet study group wanted to split the work (unanimous that it be done)
- WG disagreement if this required a new CFI
- Motion: IEEE 802.3 authorize the formation of a Study Group to develop a standards project proposal (PAR and 5 Criteria) for Layer 2 enhancements for congestion management including the needs of Backplane Ethernet

Y: 23, N: 18, A: 15

6.18	MI*	Affirm continuation of Fast Roaming Study Group	-	Kerry	0	03:44 PM
6.19	MI*	Affirm continuation of Mesh Networking Study Group	-	Kerry	0	03:44 PM
6.20	MI*	Affirm continuation of Wireless Access Vehicular Env. Study Group	-	Kerry	0	03:44 PM
6.21	MI	Affirm formation of 802.11 Wireless Interworking with External Networks Study Group	-	Kerry	5	03:30 PM

Approximately 290 people in the room when the  
Motion: Stuart Kerry  
Second: Carl Stephenson  
Vote: 12/0/0

From Stuart

**6.22 MI Affirm formation of 802.11 Wireless Network Management Study Group - Kerry 5 03:35 PM**

Approximately 290 people in the room when the study group was approved by acclimation.  
Motion: Stuart Kerry  
Second: Carl Stephenson  
Vote: 13/0/0

From Stuart

**6.24 MI Affirm Formation of 802.16 Network Management Study Group**

- **Marks**

**5**

**03:40 PM**

Motion: Roger Marks

Second: Stuart Kerry

Discussion: Buzz: Is this limited to layer 1 and 2? DJ: No. The problem is that the networks in the environment of not anticipated when the standard was originally developed. The SG will determine the scope of the work. Buzz: What will be the outcome of the SG? Develop a PAR. Buzz is concerned about getting into higher layers. Paul: Is this a method of filling in as a result of a lack of management support in IETF? DJ: This is not a substitute for IETF management, just working with IETF.

Mike Takefman: What is the probability of a group could be formed to handle these issues for all the wireless working groups?  
Paul 17%.

Vote: 13/0/0

# LMSC Motion

- Motion:  
To approve formation of the 802.16 Network Management Study Group, to be Chaired by David Johnston

Moved: Roger Marks

Seconded: Stuart Kerry

- Approve: 13
- Disapprove: 0
- Abstain: 0

# 802.16 Network Management Study Group Proposal

Network Architecture and Management  
MAC Primitives & Actions

David Johnston  
Brian Kiernan  
Phil Barber  
Prakash Iyer  
Vladimir Yanover  
Jaff Mandin  
Yigal Leiba



# Problems

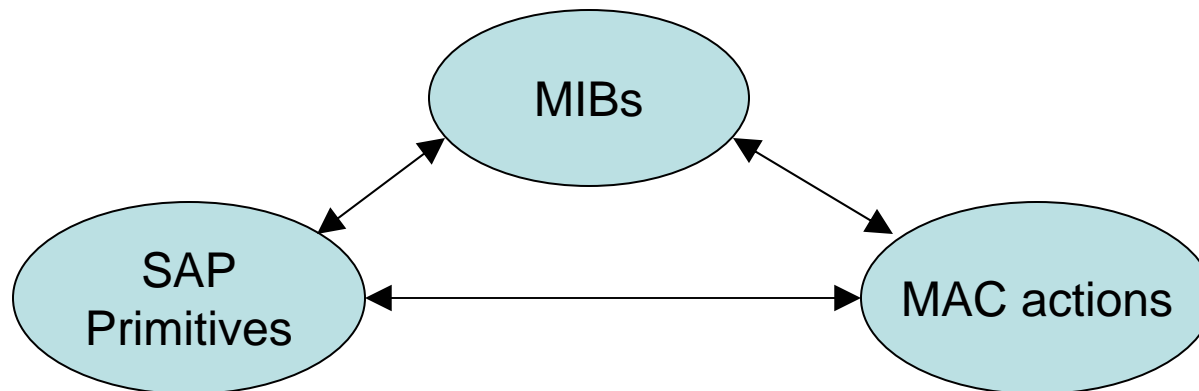
- Current MAC and CS layer interfaces (SAPs) in 802.16 are lightly defined leading to lack of interoperability for devices exposing those interfaces directly
- There is a 5 criteria commitment that 802.16 (and d and e) provide managed objects consistent with 802.1D practices. I.E. and ASN.1 MIB

# .16e Mobility Problem Statement

- 16e working on WirelessMAN mobility
- Mobility requires
  - Data mobility support at the backbone, E.G. mobileIP etc.
  - 16e message primitives between network access points / BS to conduct intra-operator / intra-domain handovers (micro-mobility)
    - This needs to be addressed in the IEEE
  - Network communications between BS and other network entities to support other 16e features
    - There are a variety of RAN configurations and market segments i.e. cannot assume a single model
    - Such communications may require use of sub-IP and IP protocols
      - This activity is mostly out of scope of the IEEE
- Currently inter-AP / inter-BS communications and use of 802.21 triggers is out-of-scope of 16e PAR

# Observations on Specification Practice

- Writing specifications in a particular form that defines behavior in terms of the relationship between



Is existing and successful practice for a number of reasons

# Interface Definitions Needed

- End-to-end network models (RAN and core) for BWA systems depends on .16 CS Service and management SAP primitives. Primarily for reasons of mobility.
  - Determine the suitable models for fixed and mobile
  - RAN Network elements
  - L2.5 / L3 protocols such as Mobile IP
  - Security
  - IP services
  - ...

# Other MAC Interface Issues May Need to be Addressed

- Consistent triggering primitives for handovers
- Securable link where required
- Optimized over-the-air mobility signaling
- Remote network management
  - e.g. using SNMP

# Issues

- Addressing these things in .16d is an impossible process
  - Closing soon
- Addressing these things in .16e is a scope problem and fixed-mobile compatibility problem
- These things may need time to mature

# Proposal

- Form an SG
- Will do its work before and during May meeting
- Expect to assess the suitability for and means of standardizing:
  - Management
    - MIBs
    - .16e link management MAC primitives
  - Network Models/Infrastructure
    - Primitives to support Layer 2.5/3 interfaces different BWA network architectures
    - CS service definition
    - Network security management and messaging
- And the means
  - One study group or two?

# Motivations

- Address market need for standardization of infrastructure for BWA, especially mobile networks.
- May accommodate elements of .16e that currently sit poorly with the .16e scope
  - May shorten completion time for .16e



# 802.16 Motion

- Motion:

To bring forward the following motion to the EC:

- To form a study group within 802.16 to study drafting a PAR or PARs to address 802.16 management and network infrastructure
- Moved : David Johnston
- Seconded: Vladimir Yanover
- Approve:46    Disapprove:0    Abstain:0

6.25						03:59 PM
6.26	MI*	Affirm continuation of 802.18 Unused TV spectrum Study Group	-	Stevenson	0	03:59 PM
6.27						03:59 PM
6.28	MI*	Affirm continuation of 15.3b MAC Correction Study Group	-	Heile	0	03:59 PM
6.29	MI*	Affirm continuation of 15.4b Alternate PHY Study Group	-	Heile	0	03:59 PM
6.30	MI*	Affirm continuation of 15.4REVb Revision Study Group	-	Heile	0	03:59 PM
6.31	MI*	Affirm continuation of 15.5 Mesh Networking for WPAN Study Group	-	Heile	0	03:59 PM
6.32	MI*	Affirm continuation of 15.3b MAC Correction Study Group	-	Heile	0	03:59 PM
6.33	MI	Affirm formation of 802.15 mmWave Study Group	-	Heile	5	03:47 PM

Motion: Bob Heile

Second: Stuart Kerry

Discussion: Paul: How will this hook-up with 802.11 group? Bob: We are looking for ways to get the groups to work together.

Vote: 10/0/0

## mmWave Study Group

Motion in WG: Motion to approve the formation of a Study Group in 802.15 to develop a PAR for a millimeter-wave based alternative PHY for IEEE Standard 802.15.3-2003

Move/Second Fisher/Gifford passed by Unanimous Consent ( at least 50 voting members present)

**Motion to the EC: Move to affirm the formation of a Study Group in 802.15 to develop a PAR for a millimeter-wave based alternative PHY for IEEE Standard 802.15.3-2003**

- Moved: Heile
- Seconded: Kerry

**6.35 II Closing report on 802.19 Coexistence TAG**

- Shellhammer 5 03:50 PM

A preview was given of proposed LMSC P&P changes to address coexistence.

**IEEE P802.19**  
**Wireless Coexistence**

---

Project	IEEE P802.19 Technical Activity Group		
---------	---------------------------------------	--	--

---

Title	<b>Proposed Changes to LMSC Rules</b>		
-------	---------------------------------------	--	--

---

Date Submitted	16 March, 2004		
----------------	----------------	--	--

---

Source	[Tom Siep] [TMS Consulting] [2406 Denmark Drive, Garland TX]	Voice: [+1 972 496 0766 ] Fax: [+ 469 366 1480 ] E-mail: [tom.siep@ieee.org ]
--------	--	---

---

Re:	Update document 19-04-0010-01-0000		
-----	------------------------------------	--	--

---

Abstract	Discussion of proposed changes to LMSC rules to support coexistence assurance.		
----------	--	--	--

---

Purpose	Resolve how 802.19 will function with regard to the standards creation process of Project 802 wireless standards.		
---------	---	--	--

---

Notice	This document has been prepared to assist the IEEE P802.19. 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 acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.19.		
---------	---	--	--

---

## **Rationale**

The introduction of a new wireless standard opens up the possibility of interference between systems built according to the new standard with systems built according to present standards. The purpose of these proposed changes to the LMSC policies and procedures is to establish a process in IEEE 802 to assure that systems built according to the new standard and systems built according to present standards will coexist.

The process establishes what a wireless working group shall do at two steps in the standards development process:

1. At the PAR approval phase a wireless working group shall list all the known wireless standards with which the proposed standard might mutually interfere. And the working group will describe the anticipated approach for demonstrating coexistence. This is implemented by adding a sixth criterion to Procedure 2 in the LMSC P&P.
2. Prior to requesting that the SEC forward the draft to sponsor ballot the wireless working group must submit a coexistence assurance document, demonstrating that the new standard coexists with present standards, to the IEEE 802.19 wireless coexistence technical advisory group (TAG). The TAG will review the coexistence assurance document and will offer its technical option and submit its technical option to the wireless working group and the SEC. This is implemented by adding a new procedure to the LMSC P&P.

It is the intent of the TAG to develop a coexistence assurance methodology. Once the methodology document has been completed, it will be used as a guide to the wireless working groups on how to produce a coexistence assurance document.

When a wireless working group has a draft standard and has developed a coexistence assurance document, the wireless working group may submit the coexistence assurance document to the 802.19 TAG for preliminary review. The TAG will offer its technical opinion to the wireless working group.

---

---

### **Proposed addition to PAR process:**

#### 6.6 Coexistence

For a project to be authorized, it shall be able to show coexistence feasibility (so far as can be reasonably be predicted). This shall include:

- a) A list of all known potential mutually interfering wireless standards.
- b) An anticipated approach for demonstrating how the new project can coexist with the potentially mutually interfering wireless standards.

---

---

**Proposed addition to LMSC standard procedures:**

**Procedure 11**

**PROCEDURE FOR APPROVAL TO FORWARD A DRAFT  
WIRELESS STANDARD**

Rationale: This procedure is to be used when approval to forward a draft standard to LMSC letter ballot or to REVCOM for any wireless standard is proposed.

In the process of preparing for Sponsor Ballot, the WG shall provide the coexistence assurance (CA) document to enable the 802.19 TAG to provide technical opinion on the analysis. This CA document shall be delivered to the TAG no less than 30 days prior to the LMSC EC meeting. The TAG shall give its technical opinion on the CA document not later than five days before the LMSC EC meeting.

In support of the WG completing the draft standard and the required CA, the 802.19 TAG shall be available for preliminary review of CA document. This review shall be initiated in either of two ways:

1. At the request of the wireless Working Group developing the draft.
2. At the request of the SEC.

The 802.19 TAG reviews coexistence assurance analysis of drafts and does not participate in the down-selection process of proposals within Working Groups.

During Sponsor Ballot comment resolution, the 802.19 TAG shall respond to Working Group request for assistance in dealing with coexistence questions raised about the draft.

<b>7.00</b>	<b>Break</b>	-	<b>10</b>
<b>8.00</b>	<b>IEEE-SA Items</b>	-	
<b>8.01</b>	<b>MI</b>	<b>Position Statement regarding placement of turned down programs with other Sponsors</b>	- <b>Thompson</b> <b>5</b> <b>04:05 PM</b>

Geoff handed out a position statement to all members of the SEC. There has been a lot of controversy about the fact that a 2.5 GHz SG in 802.3 was not formed. It was brought to the corporate advisory group (CAG). Motion to adopt the position paper and send it to the managing director of IEEE-SA, etc.

Geoff: The issue, if whether the custodian group turns it down can the proponents go elsewhere in the IEEE and get an IEEE standard approved. DJ: I find the position convincing. Geoff: the custodian is the group that developed the initial standard. Some clarification on who is the custodian and is it an IEEE or an ANSI standard. Buzz: It is dangerous to prevent other IEEE organizations from developing standards based on 802 standards. It is suggested that an appeals court be established where the issue can be addressed: Geoff: The idea of having an appeals court telling the WG it has to develop a standard is not acceptable. Bob Grow read the 802.3 statement in support of Geoff's position paper. Tony Jeffree suggested modifying the text to include the work of 802.1. Bill Quackenbush: While there are concerns about trade restrictions, what about the case where 802 holds some status bits in reserve and the other groups defines the use of those bit. Then the standard is broken. Bill supports position statement. Roger: Both standards are not broken they just are not interoperable. Tony: If one standard is an amendment of the other standard then the standards are broken. Roger: You are correct. Roger: does NesCom have a policy on this? Geoff: No. John Law: Recommended wording changes. Limit it to work that is a true amendment not just claimed amendment. Paul: recommend that Geoff takes this on (during his retirement) through the email reflector. Geoff Thompson to develop a position statement, in conjunction with the EC, on this topic.

Motion: Bob Heile

Second: Tony Jeffree

Vote: 11/0/0



# Not actually “The CAG” issue

Presentation to closing  
802 Executive  
Friday, March 19, 2004

# DRAFT 802 Position Statement re: placement of turned down projects with other Sponsors

- Given that this issue arose with respect to a project proposal by the CAG (for a project that 802.3 elected to not pursue), there has been a great deal of confusion with respect to the 802 attitude towards the CAG.
- We do not believe that this issue is related to the CAG but is rather an issue of a project's involvement with multiple sponsors.

# Proposed Position:

- We believe that Sponsor (or equivalent entity) within the IEEE should not be allowed to start a project that is properly an amendment, revision or corrigenda to an existing standard of another active Sponsor who is the nominal custodian (The Custodian) of the existing standard. Appropriate exception to this would be where The Custodian explicitly asserts that such a project and sponsor is appropriate.
- This position does not apply to new projects that are truly not material appropriate to an existing standard.
- We believe that for the IEEE-SA to operate otherwise has significant negative consequences:

# Our detailed rationale is:

- Ongoing maintenance and interpretations of the resulting set of standards that are spread across multiple owners would be a nightmare.
- Assuming that the remote placement of the standards work is the result of a negative decision the custodian sponsor, the ability of the custodian to make consensus decisions (i.e. decisions that meet the IEEE threshold test for achieving consensus) on standards would be seriously compromised. The consequential result is that every proposed mode or option would have to be accommodated in every standard. This would result in standards implementations that are vastly more expensive (and power hungry and heavy), implementations whose operations is vastly more complex and whose likelihood of interoperability is highly diminished.

# Rationale (2):

- This situation could easily drive the cost of design qualification and production testing up to such a large degree as to severely limit the economic feasibility of the product's very existence.
- Communications standards, specifically, exist to reduce the number of options that vendors must make available in their equipment to meet the public's needs for communication between products from different vendors. Destruction of a standards group's ability to make decisions would be lethal to that standards group's ability to work in the future.

# Our Goal:

To preserve the viability of the IEEE-SA as a standards setting entity.

# Motion:

Adopt the attached position in principle.

To be sent to:

Managing Director, IEEE-SA  
Chair, IEEE-SA Standards Board  
Chair, IEEE-SA Board of Governors  
Copies to relevant others

Moved by: Bob Heile

Second: Tony Jeffree

App: \_nn\_, Disapp: \_nn\_, Abstain \_nn\_

- At nn:nn PM

**8.02 II Indemnification Issue Update - Kenney 5 04:40 PM**

Paul sent out an email with the language that was received by the BOG. Plan to roll out the information in more detail during the summer. Reviewed the IEEE insurance with Matthew Sherman.

**8.03 II March 2004 Standards Board Meeting Invitation - Kenney 5 04:42 PM**

Next week is the standards board meeting. You are all invite to be there. Show of hands, how many people would like to have the standards board meeting adjacent to an 802 meeting, in 2005? Ten people plan to attend.

**Education, Mentoring and Support (EMS) Training**

**Frazer**

Howard gave a few slides on expanding the current face-to-face training with Web based training. Paul: Suggest we approve up to about \$15,000. Carl: Would that cover it? Howard: The very preliminary estimate is around \$40,000. Roger: This looks primarily as a SA training program, so I am hesitant to pay for the whole thing. Jerry: If 802 pays for it, we should charge the other groups for using the training program. Paul is recommending that we budget \$50,000 from July 2004 till July 2005. Roger and Howard: If we develop this then we should tailor the content to 802. Carl: Many of these modules could be made more generic, and it would make the cost compensation would be feasible. Tony: I am not ready to approve paying for it at this time.

Straw poll: Should Howard and Jennifer pursue this further?  
12/0/0

Straw poll: How many people are ready to start building a reserve for this?  
4/2/7





IEEE

# **Education, Mentoring, Support (EMS)**

March 2004

# Online Training Courses

- ❖ Expansion of EMS face to face training to online continuous training
- ❖ Modules of online training courses
- ❖ Logistics of making it happen

# Online Training Courses

- ❖ Face to face training is good, but not enough
- ❖ Need exists to expand training to online courses
  - ❖ Allows people to work at their own pace and convenience
  - ❖ Allows continuous access to information
  - ❖ Allows us to track participants and graduates in order to develop the future leaders of 802

# Modules

- ❖ **Module 1 - Editorial Process**
  - ❖ Introduction to FrameMaker
  - ❖ Advanced FrameMaker
  - ❖ IEEE-SA Style Guide
- ❖ **Module 2 - IEEE-SA Standards Process**
  - ❖ PAR approval
  - ❖ Balloting
  - ❖ RevCom submittal

# Modules (continued)

- ❖ Module 3 - 802 P & P
- ❖ Module 4 - Financial Training
- ❖ Module 5 - Meeting conduct
  - ❖ Robert's Rules of Order

# Logistics

- ❖ Preliminary research performed
- ❖ Direction from 802 is needed before proceeding any further
- ❖ Program requires resources from IEEE-SA staff and outside vendor
- ❖ Need to estimate LoE and costs
- ❖ Need commitment from IEEE-SA
- ❖ Need funding from 802

<b>9.00</b>		<b>LMSC Liaisons &amp; External Interface</b>	-			
<b>9.01</b>	<b>ME</b>	<b>802.1 Liaison to ITU/T SG13 Q3</b>	-	<b>Jeffree</b>	<b>4</b>	<b>05:05 PM</b>
<b>9.02</b>	<b>ME</b>	<b>802.1 Liaison letter request to NIST re GCM cipher suite</b>	-	<b>Jeffree</b>	<b>4</b>	<b>05:07 PM</b>

Motion to send the attached liaison statement to NIST regarding GCM

Motion: Tony Jeffree

Second: Stuart

Vote: 12/0/0

# MOTION

- 802.1 requests approval from the SEC to send the attached liaison statement to NIST regarding GCM.
- Proposed: seaman Second: wright
  - For: 22 Against: 0 Abstain: 4
- SEC Proposed: Jeffree, Second:
  - For: Against: Abstain:



# Statement/request to NIST:

- 802.1 intends to use GCM-AES (Galois Counter Mode) as the mandatory cipher suite for the proposed IEEE P802.1ae Media Access Control Security standard.

At present the characteristics of GCM make it the only AES mode that would meet all our requirements.

The work of 802.1 would be greatly facilitated by the adoption of GCM by the NIST modes process.

**9.03 ME Comments on the FCC ‘Interference Temperature’ NPRM - Stevenson 4 05:10 PM**

Motion on Interference Temperature document to be sent to FCC

Motion: Carl Stephenson

Second: DJ Johnson

Vote: 10/0/0

## 802.18 Motion to EC

**Date:** 03/19/2004

**Motion by:** 802.18 – Stevenson

**Seconded by:**

**Moved:**

To approve document

**18-04-0011-00-0000\_interference-temp-cmts.doc**

As an 802 document, authorizing the Chair of 802.18 to do necessary editorial and formatting changes and file the document in a timely fashion with the FCC.

**Informative:** This document was approved unanimously by 802.18 with the same directions to the Chair. (Also approved by .11, .15, .16, and .20)

**Approve: Do Not Approve: Abstain: Motion:**

**9.04 ME Comments on the FCC "Cognitive Radio" NPRM**

- **Stevenson**

**4**

**05:12 PM**

Motion on Cognitive Radio Document to be sent to FCC

Motion: Carl Stephenson

Second: DJ Johnson

Vote: 10/0/0

## 802.18 Motion to EC

**Date:** 03/19/2004

**Motion by:** 802.18 – Stevenson

**Seconded by:**

**Moved:**

To approve document

**18-04-0012-00-0000\_cognitive-radio-cmts.doc**

As an 802 document, authorizing the Chair of 802.18 to do necessary editorial and formatting changes and file the document in a timely fashion with the FCC.

**Informative:** This document was approved unanimously by 802.18 with the same directions to the Chair. (Also approved by .11, .15, .16, and .20)

**Approve: Do Not Approve: Abstain: Motion:**

10.00

**LMSC Internal Business**

-

10.01

MI

**Face to Face Contract Approval**

-

**Quackenbush**

**5**

**05:14 PM**

Motion: Bill Quackenbush

Second: Buzz Rigsbee

Discussion: Was there an RFP sent out? No. The intention is to send out an RFP next time, which will be about one year from now.

Vote: 11/1/0

10.02

MI

**Adopt proposed Financial Operations P&P Changes**

-

**Quackenbush**

**5**

**05:22 PM**

Motion: Bill Quackenbush

Second Mike Takefman

Vote: 12/0/0

## **LMSC EC Motion 2 (Treasurer)**

**Move to authorize the LMSC to enter into a two (2) year contract with Face to Face Events, Inc., to be effective November 1, 2003, to provide web registration and meeting planning services to the LMSC that incorporates the fee and expense structure distributed to the LMSC EC on March 17, 2004 with the exception that the “Attendee Fee” increased from \$46 to \$47. Contract text to be finalized by April 30, 2004.**

**Moved: Bill Quackenbush**

**Seconded: Buzz Rigsbee**

**Y:11 N: 1 A:0 x:xx pm 03/19/04**

## **LMSC EC Motion 1 (Treasurer)**

**Move that the proposed changes to LMSC P&P Procedure 1, “Use of LMSC Funds”, which have now completed LMSC eballot and comment resolution be adopted.**

**Moved: Bill Quackenbush**  
**Seconded: Mike Takefman**

**Y: 12**

**N: 0**

**A: 0**

**x:xx pm 03/19/04**



**Proposed IEEE 802 LMSC Policy and Procedure Revision  
on  
Procedure 1 Use of LMSC Funds**

**From:** Bill Quackenbush

**To:** LMSC Executive Committee

**Date:** March 16, 2004

**Duration:** Expires March 19, 2004

**Purpose:** To update Procedure 1 on the use of LMSC funds.

**Rationale for proposed text:**

The text of Procedure 1 is out of date and should be updated.

**Proposed Text:**

The following changes are proposed.

**Procedure 1**

**USE OF LMSC FUNDS**

The purpose of ~~having a LMSC treasury is to:~~ the LMSC treasury is to allow the LMSC to collect and disburse funds for activities that are appropriate to the orderly development of LAN/MAN standards. Use on such funds includes:

1. ~~Pay for the cost of conducting the Plenary session and other LMSC meetings held in conjunction with the Plenary session for:~~

~~—— cost of hotel meeting rooms~~

~~—— document reproduction~~

~~—— meeting administration~~

Payment for the expenses of conducting LMSC hosted sessions and related meetings and for other LMSC operating expenses. Such expenses include, but are not limited to, the expenses for:

- meeting rooms

- document reproduction

- meeting administration

- food and beverages

- computer networking and Internet connectivity

~~—— equipment/supplies/services~~ goods and services needed for the efficient conduct of business, ~~etc.~~

- insurance and

- audits

2. Reimbursement to individuals for ~~LMSC~~ appropriate expenses not covered by other sources, ~~e.g. such as~~ corporations, other IEEE organizations, etc.

~~3. Expedite the setting of LAN/MAN standards, e.g. printing of draft standards and conducting ballots.~~

~~4. To support the publication and dissemination of standards.~~

The primary source of funds for ~~LMSC are the joint meeting fees from meeting participants.~~ the LMSC is the registration fees collected from attendees of LMSC hosted sessions.

Specific policies regarding the treasury are listed below:

~~1. The LMSC Executive Committee shall authorize all expenditures.~~

1. The LMSC shall open and maintain an LMSC bank account that will be administered by the LMSC Treasurer.
2. The LMSC may open merchant accounts as required for the processing of credit card charges. Such accounts shall be administered by the LMSC Treasurer.
3. All funds received by the LMSC shall be promptly deposited in the LMSC bank account. All funds retained by the LMSC shall be held in the LMSC bank account or, if appropriate, in investments approved by the IEEE.
- ~~2.4. The LMSC Chair, Executive Secretary, Recording Secretary,~~ All LMSC expenditures require the approval of the EC with the sole exception that the LMSC Chair, Vice Chairs, Secretaries, Treasurer, and each Working Group and TAG Chair shall whose group is not operating with treasury, may be reimbursed for expenditures from the LMSC treasury for up to \$200 of appropriate expenses incurred between LMSC Plenary sessions without specific authorization from the Executive Committee. If circumstances arise where an expense beyond the \$200 is likely to occur, this expense should be cleared by contacting 6 approval of the EC.

~~members of the LMSC Executive Committee and the LMSC Treasurer and getting their approval.~~

~~3. The cost of providing documents or other benefits to parties outside LMSC should be shifted to these parties, e.g. the use of commercial printers, or the IEEE Computer Society, to distribute documents on a cost basis should be encouraged.~~

~~5. Major expenses or commitments, such as hotel arrangements or large draft printings, that are to occur between LMSC Plenary sessions should be estimated and approved by the Executive Committee prior to making these commitments.~~

- ~~5. A separate checking account will be kept for LMSC. This account will be administered by the LMSC Treasurer.~~ The Treasurer will provide reports about LMSC finances to the LMSC membership at large at LMSC Plenary sessions and to the Executive Committee. The ~~Treasurer's Report will be included in the Executive Committee meeting minutes which are distributed to the IEEE.~~ Treasurer will provide additional reports and participate in audits as required by IEEE rules.

~~Computer Society's Executive Director and the IEEE Computer Society's VP for Standards.~~

6. The LMSC Treasurer shall strive to maintain an operating reserve (uncommitted funds on hand) ~~between 75% and 100% of the expenses of a single~~ sufficient for paying the worst-case expenses of canceling an LMSC Plenary session.

7. Executive Committee approval of ~~a meeting site for a LMSC Plenary~~ the site for an LMSC hosted session constitutes authority for the Treasurer to pay all ordinary expenses for that ~~meeting~~ session and any extraordinary expenses presented as part of the meeting site proposal.

Motion: Mike Takefman

Second: Tony Jeffree

Discussion: Jerry Upton speaks against it. He gave a presentation explaining his position. It is inconsistent with Roberts' rules of order. It publishes how individual voted.

I respectfully disagree with the proposed 802 Policies and Procedures Roll Call Vote rules changes. Jerry Upton – 802.20 Chair

1. The proposed change encourages Roll Call votes which is counter to our philosophy of individuals voting independently.

Roberts Rules of Order (Section 45-Roll Call Vote):

“...It is usually confined to representative bodies, where the proceedings are published, since it enables constituents to know how their representatives voted on certain measures. It should not be used in a mass meeting or in an assembly whose members are not responsible to a constituency.”

2. Any proposal requiring the Chair to justify or defend his/her decisions in the minutes of the meeting will in many cases force the Chair to name individuals and their conduct in the meeting. This can and will most likely lead to a public debate on the individual's conduct. This is not appropriate in the minutes of our meetings.

3. Any proposal allowing less than 26% of the members to pass a roll call motion will fostering a counter productive parliamentary atmosphere. A minority of parliamentarians can stall the adoption of requirements, specifications and other important WG items requiring a 75% approval.

Geoff: Speaks in favor of the motion

Calling the questions 7/5/0 It does not pass because 2/3 is required to pass.

Discussion: Carl: Does not favor this motion because using the result of the roll call vote can be used to identify block voting.

Mike: This does not speak to the LMSC rule on block voting. Roger: I speak against the motion because roll call votes constrain the freedom of members to vote as individual experts, per the P&P.

Vote: 8/4/1 The chair reserves the right to vote if allowed. The chair will rule on the vote after further investigation.

Motion: If the previous motion fails should this issue go to further study?

Motion: Geoff Thompson

Second: Bill Quackenbush

Vote 9/3/1

#### 5.1.4.2.3 Roll Call Votes

A roll call vote may be held at the discretion of the chair.

A roll call vote may be called for by any member of the group, without obtaining the floor, at any time after the question has been put, even after the vote has been announced and another has the floor and it is called for before another motion has been made. The call does not require a second, and cannot be debated, amended, or have any other subsidiary motion applied to it.

Upon a call for a roll call vote, the chair shall proceed according to these three options.

1. The chair may hold the vote
2. The chair may hold a vote on the question of whether to hold a roll call vote. This vote must achieve greater than 25% of the members voting Yes to pass. The 25% is counted by dividing the count of Yes votes by the sum of the Yes and No votes. This vote is not subject to a roll call vote.
3. The chair may refuse the request for a roll call vote if this privilege is being abused by members repeatedly calling for a roll call vote. The chair shall allow both the majority and minority reasonable and fair use of the roll call vote.

Each roll call vote and call for a roll call vote shall be recorded in minutes of the meeting. For each roll call vote, the minutes shall include each member's name, their vote and the final result of the vote. For each call for a roll call vote, the minutes shall include:

- i. The name of the requestor of the roll call vote.
- ii. The decision of the chair on the request and, when applicable, the results of the vote on whether to hold the roll call or the reasons of the chair for denying the roll call vote.

**I respectfully disagree with the proposed 802 Policies and Procedures  
Roll Call Vote rules changes. Jerry Upton – 802.20 Chair**

**1. The proposed change encourages Roll Call votes which is counter to our philosophy of individuals voting independently.**

**Roberts Rules of Order (Section 45-Roll Call Vote):**

**“...It is usually confined to representative bodies, where the proceedings are published, since it enables constituents to know how their representatives voted on certain measures. It should not be used in a mass meeting or in assemble whose members are not responsible to a constituency.”**

**2. Any proposal requiring the Chair to justify or defend his/her decisions in the minutes of the meeting will in many cases force the Chair to name individuals and their conduct in the meeting. This can and will most likely lead to a public debate on the individual’s conduct. This is not appropriate in the minutes of our meetings.**

**3. Any proposal allowing less than 26% of the members to pass a roll call motion will fostering a counter productive parliamentarian atmosphere. A minority of parliamentarians can stall the adoption of requirements, specifications and other important WG items requiring a 75% approval.**

**10.04 MI EC P&P Revision Ballot on "Reformatting for Compliance to SA P&P" - Sherman 5 05:40 PM**

Motion: Matthew Sherman  
Second: Roger Marks  
Vote: 11/0/0

# EC Motion

- To approve distribution for rules change ballot the proposed rules change as included in these minutes titled “Reformatting for compliance with SA Model P&P”

Moved: M. Sherman

For:

2nd: R. Marks

Against:

Abstain:



**10.05 MI Purchase 44 802.11 Access Points, not to exceed \$7k - Rigsbee 5 05:44 PM**

Bill recuses himself from this motion.

Motion: Buzz Rigsbee

Second: Carl Stephenson

Vote: 8/1/1

**10.08 II 802 Reorganization update - Frazier 5 05:46 PM**

The level of enthusiasm for splitting up 802 is lower than in Albuquerque. Howard recommends that we cease the activity of trying to reorganization and focus our efforts on the P&P. Carl: I am not sure that I agree with the lack of enthusiasm, since many of those who are interested in splitting up were not in the room at the time. Geoff: there is less energy to address the issue but there are still issues. Paul: I will let the second vice chair (Howard) to bring this back if this becomes an issue again.

**10.09 II 802 Architecture Group proposal - Jeffree 5 05:52 PM**

All the working group and TAG chairs are encouraged by the LMSC chair to attend this meeting. New recommended time is Sunday 1:30 – 3:30 PM. Start in July.

## **LMSC EC Motion (Executive Secretary)**

**Move to authorize the LMSC to purchase forty-four (44) 802.11a/b/g wireless access points and shipping cases for an amount not to exceed \$7500 including shipping.**

**Moved: Buzz Rigsbee**

**Seconded: Carl Stevenson**

**Y: 8**

**N: 1**

**A: 1**

**x:xx pm 03/19/04**

# 802 Architecture Group

# Intent

- Improve alignment between WG projects and existing 802 architecture by:
  - Identifying current problems, omissions, conflicts, ramifications, and their potential resolution
  - Identifying potential refinements or changes to the architecture
  - Providing a regular forum in which such discussion can take place, in a lower pressure environment than is possible during the core Plenary cycle.

# Mechanism

- A meeting per Plenary cycle
  - Chaired by 802.1 Chair
  - Time slot: 10-12 AM Sunday prior to Plenary
  - Participants: Initially, WG Chairs plus one (or more) “architects” or “technical leads”; long term, whoever the Chair determines is appropriate/willing
  - Meeting Topic: Architectural issues known to each WG & how they might be resolved
- First meeting: July 2004

# Purpose

- To actually have a recurring discussion on architectural issues
- To improve cross-WG discussion/understanding
- To promote a common view

# Outputs

- Not detail document oriented
- Consensus, frame of mind, consciousness raising
- Maybe slideware if appropriate
- Topics/thoughts for the focus of the next discussion
- Encouragement to WGs to fix identified problems in appropriate ways
- Simple architecture
- Preservation of layering

10.10	II	Network Services end of session summary	-	Awtrey	5	05:25 PM
10.11			-			

Meeting is adjourned at 6:04 p.m., because the time for adjournment has arrived.

All working group chairs are to send their closing reports to the recording secretary, to be used in the 802 press release.

The following items were on the agenda but were not discussed due to lack of time.

11.00		Information Items	-			
11.01			-			
11.02						
11.03	II	802 News Bulletin reminder	-	Nikolich	1	
11.04	II	802 Task Force Update	-	Nikolich	5	
11.05	II	IETF--high level sharing of new project information	-	Jeffree	1	
11.06	II	Application of Member Token to Badge	-	Kerry	1	
11.07	II	P802.16/Conformance04--update	-	Marks	5	
11.08	II	Tools to Improve Document Management	-	Heile	5	
11.09	II	Use of invited ballot groups within Working Groups	-	Heile	5	
11.10						
11.11						
11.12	II	Future Meeting Sites	-	Rigsbee	5	

Respectfully submitted,

Steve Shellhammer  
acting recording secretary