

# AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING

Monday, March 12, 2001 - 8:00 a.m.

Marriot Golf Resort, Hilton Head, SC

## 1. MEETING CALLED TO ORDER

5 Jim Carlo called the meeting to order at 8:00 am. Members in attendance were:

Jim Carlo	- Chair, IEEE 802 LAN / MAN Standards Committee
Paul Nikolich	- Vice Chair, IEEE 802 LAN / MAN Standards Committee
Buzz Rigsbee	- Executive Secretary, IEEE 802 LAN / MAN Standards Committee
10 Bob O'Hara	- Recording Secretary, IEEE 802 LAN / MAN Standards Committee
Robert Grow	- Treasurer, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree	- Chair, IEEE 802.1 - HILI Working Group
Geoff Thompson	- Chair, IEEE 802.3 - CSMA/CD Working Group
Bob Love	- Chair, IEEE 802.5 - Token Ring Working Group
15 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
Vic Hayes	- Regulatory Ombudsman

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The meeting was attended by approximately 10 IEEE 802 Working Group members and several guests including Clyde Camp, Rona Gertz, Jerry Walker, Yvette Ho Sang, and Jennifer Longman. Carlo announces that Denise Scozzafava has left the IEEE.

## 2.00 APPROVE OR MODIFY AGENDA

**Bob Heile added item 5.21 Wireless Coexistence Study Group**

25 **Stuart Kerry added item 5.15 802 IPR Position**

**Stuart Kerry added item 5.22 802.11e PAR**

**Stuart Kerry added item item 5.23 5 GHz Study Group – International Standards**

**Paul Nikolich asked that item 5.10 be assigned to Vic Hayes**

**Roger Marks added item 5.25 802.16 PAR Changes**

30 **Vic Hayes added item 5.27 Regulatory Issues**

**Motion to approve agenda**

**Move/Second Paul Nikolich/Stuart Kerry**

**11/0/0 Approved at 8:05 am**

**AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE  
MEETING**

Monday, March 12th, 2001 - 8:00 a.m.

Marriot Hilton Head Golf Resort, Hilton Head, SC

1.00		MEETING CALLED TO ORDER	-	CARLO	1	08:00 AM
2.00		APPROVE OR MODIFY AGENDA	-	CARLO	4	08:01 AM
3.00	*	APPROVE / MODIFY MINUTES OF PREVIOUS MEETING	-	CARLO	5	08:05 AM
4.00		TREASURER'S REPORT	-	GROW	10	08:10 AM
Category (* = consent agenda)						
5.00	II	Meeting Week Schedule - StbBd and IEEE 802	-	CARLO	10	08:20 AM
5.01	ME		-		0	08:30 AM
5.02	ME		-		0	08:30 AM
5.03	ME		-		0	08:30 AM
5.04	ME		-		0	08:30 AM
5.05	MI	Formation of 802.17 and appointment of WG Officers	-	CARLO	5	08:30 AM
5.06	MI	RIP FRD	-	JEFFREE	5	08:35 AM
5.07	MI		-		0	08:40 AM
5.08	MI		-		0	08:40 AM
5.09	DT	Rules Ballot Results	-	NIKOLICH	10	08:40 AM
5.10	DT	Networking 802 Meetings	-	HAYES	10	08:50 AM
5.11	DT	Database Update Status & Web Registration	-	RIGSBEE	10	09:00 AM
5.12	DT	802 Standards Distribution Program	-	FRAZIER	10	09:10 AM
5.13	DT	IEEE 802 Organizational Issues	-	CARLO	10	09:20 AM
5.14	DT	Move the closing SEC meeting to Friday	-	FRAZIER	10	09:30 AM
5.15	DT	IPR Positions	-	KERRY	5	09:40 AM
5.16		BREAK	-		10	09:45 AM
5.17	II	802.1 projects at RevCom	-	JEFFREE	5	09:55 AM
5.18	II	802.5v at RevCom	-	LOVE	2	10:00 AM
5.19	II	802.16.2 to Sponsor Ballot	-	MARKS	3	10:02 AM
5.20	II	Withdrawal of 8802-4 and 8802-9	-	CARLO	5	10:05 AM
5.21	II	Wireless Coexistence SG	-	HEILE	5	10:10 AM
5.22	II	Split 802.11e PAR	-	KERRY	5	10:15 AM
5.23	II	5 GHz SG	-	KERRY	5	10:20 AM
5.24	II	Appointment of new SEC Recording Secretary	-	CARLO	5	10:25 AM
5.25	II	802.16 PAR Changes	-	MARKS	5	10:30 AM
5.26	II	Meeting Fee Waivers	-	CARLO	5	10:35 AM
5.27	II	Regulatory Issues	-	HAYES	5	10:40 AM
5.28	II	LCD Projectors	-	RIGSBEE	5	10:45 AM
5.29	II	Schedule for SEC meetings	-	CARLO	5	10:50 AM
		ADJOURN				10:55 AM

**ME - Motion, External**

**MI - Motion, Internal**

**DT- Discussion Topic**

**II - Information Item**

**3.00 Approve minutes of previous meeting**

**Approved at 8:05 as part of consent agenda**

**4.00 Treasurer's Report – Grow**

5 (see file montreasrep.pdf)

Grow makes motion:

**Approve Expenditure for CY2000 audit. Estimated to be less than \$4000.**

**Grow/Nikolich**

**11/0/0 Approved 8:13 am**

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**IEEE Project 802  
Statement of Operations  
November 2000 Meeting**

<b>open</b>	<b>25 October Operating Reserve</b>	<b>49,671</b>	
<b>November 2000 Meeting Income:</b>		<b>Actual</b>	<b>Budget</b>
	345 Registrations@ \$300	103,500	
	576 Registrations@ \$250	144,000	
	Registrations@ \$100	0	
	<b>Subtotal</b>	<b>247,500</b>	<b>247,500</b>
	Deadbeat Registrations		182,000
	Bank Interest	607	0
	Other	950	200
			400
<b>plus</b>	<b>TOTAL Income</b>	<b>249,057</b>	<b>182,600</b>
<b>November 2000 Meeting Expenses:</b>		<b>Actual</b>	<b>Budget</b>
	Audio Visual Rentals	8,793	5,000
	Bank Charges	0	25
	Copying	2,441	9,100 **
	Credit Card Discounts	6,546	5,096 *
	IEEE 802 Free Standards Escrow	69,075	52,500
	Meeting Administration	52,563	44,300 *
	Phone & Electrical	1,702	1,500
	Refreshments	38,608	26,600
	Shipping	2,546	3,500
	Social	0	21,000
	Supplies	0	100
	Other	5,326	1,500
<b>minus</b>	<b>TOTAL Meeting Expense</b>	<b>187,599</b>	<b>170,221</b>
<b>minus</b>	<b>Equipment Expense</b>	<b>30,390</b>	<b>5,000 **</b>
<b>equals</b>	<b>November 2000 Operating Reserve</b>	<b>80,740</b>	
	<b>Total Free Standards Escrow</b>	<b>132,900</b>	
	<b>Net Change in Operating Reserve</b>	<b>31,068</b>	<b>12,379 **</b>

\* Actual charges are based on registration, budget is based on registration forecast.

Cash Flow Report  
1/1/00 Through 12/31/00

3/12/01

Page 1

Category Description	1/1/00- 12/31/00
INFLOWS	
Uncategorized	0.00
Interest Earned	1,190.21
Other Income	500.00
Registration	640,150.00
Voided Checks	0.00
TOTAL INFLOWS	641,840.21
OUTFLOWS	
AV Rental	25,147.47
Bank Charge	0.20
Copying	17,577.34
Credit Card Dis	16,715.80
Equipment Purch	24,414.68
Insurance	900.00
JTC-1 Participa	44,400.00
Meeting Admin	140,737.39
Misc Expense	10,625.46
Phone&Electric	4,940.94
Refreshments	134,955.40
Rooms	0.00
Shipping	6,419.55
Social	82,163.70
Supplies	26.83
TOTAL OUTFLOWS	509,024.76
OVERALL TOTAL	132,815.45

## **5.00 Meeting Week Schedule – StbBd and IEEE 802 – Carlo**

Carlo recaps top level agenda for 802/STB meeting week.

### **5.01 Empty**

### **5 5.02 Empty**

### **5.03 Empty**

# IEEE 802 March 2001 Meeting

- **Mon 12 March**
  - **8:00 - 10:00am IEEE 802 Exec**
  - **11:00-12:00 IEEE 802 Plenary Meeting**
  - **1:00 -6:00pm Working Group Meetings**
  - **6:00 - 9:00pm No Tutorials – WG Meetings OK**
- **Tues 13 March**
  - **8:00 - 5:00pm Working Group Meetings**
  - **6:30 - 8:00pm FCC Tutorial**

# **IEEE 802 March 2001 Meeting Standards Board Invited**

- **Wed 14 March**
  - **8:00am - 5:00pm Working Group Meetings**
  - **6:30pm - 9:00pm IEEE 802 Social and Buffet Dinner**
  
- **Thurs 15 March**
  - **8:00am - 5:00pm Working Group Meetings**
  - **7:00pm - 8:00pm Joint 802 SEC and StdBoard**
  - **7:00pm - 12:00 IEEE 802 Executive Meeting**





# **IEEE-SA Standards Board Meeting March2001 Hilton Head**

- **Thur 15 March**
  - **AM - ProCom**
  - **PM - PatCom/AudCom**
  - **7:00pm - 8:00pm Joint 802 SEC and StdBoard**
- **Fri 16 March**
  - **AM/PM - RevCom/NesCom**
- **Sat 19 March**
  - **8:30am - 4:00pm Standards Board Meeting**

#### **5.04 Empty**

#### **5.05 Formation of 802.17 and appointment of WG Officers – Carlo**

**Carlo announces that Mike Takefman has been appointed as the interim chair of 802.17. The WG needs to elect it's chair and officers. All people who attend the first WG meeting become voting members of the WG. SEC will need to confirm new chair of 802.17 on Thursday evening.**

5

# New WG – IEEE 802.17

- WG Authorized
  - PAR for 802.17 Approved (Dec-2000)
  - Interim Chair Appointed (Mike Takefman)
- Hilton Head Actions
  - All Attendees of meeting become WG Voters (5.1.3)
  - WG to Elect Chair (5.1.2)
  - Confirm Chair for 802.17 at Thursday Meeting (5.1.2)

### **5.06 RIP FRD – Jeffree**

5 Proposes that 802 Functional Requirements Document be removed as a standing document of 802, as the information in the FRD has been incorporated into either the 802 Operating Rules or the 802 Overview and Architecture, thus the FRD is no longer relevant.

Thompson suggests that the way to withdraw the FRD is through a letter ballot. Nikolich states that a letter ballot of all of 802 is impractical.

Marks asks what action Jeffree is proposing. Jeffree says that the group should take a position on Thursday night, no motion on the floor at this time.

10 Frazier says that since 802 Overview and Architecture is in process, and that process is nearly complete, once 802 Overview and Architecture is finished, FRD should just go away.

Carlo asks that 802.1 make a recommendation regarding FRD.

### **5.07 Empty**

### **5.08 Empty**

15 **5.09 Rules Ballot Results – Nikolich**

Two rules changes in process: 1) modify “Use of LMSC Funds”, which has passed, 2) Clarification of “member, observer, participant”, which needs a two hour meeting to resolve.

### **5.10 Networking 802 Meetings – Hayes**

Thompson asks for a “cheat sheet” showing how configure laptops to use wireless facilities at this meeting.

20 Marks expresses displeasure because his group has been moved to another hotel with no wireless facilities.

### **5.11 Database Update Status and Web Registration – Rigsbee**

Rigsbee says that database is in place.

### **5.12 802 Standards Distribution Program – Frazier**

25 Frazier passes. Carlo says that impasse between 802 and IEEE office has developed. Lunch meeting Wednesday to attempt to resolve impasse.

### **5.13 IEEE 802 Organizational Issues – Carlo**

Suggests that 802 has grown too large, and there is an obvious division between “airheads” and “wireheads”. Perhaps it’s time to split 802. Need to consider bifurcation.

Jeffree expresses concern that projects like 802.1x might suffer if the group bifurcated.

30 Nikolich suggests that an SEC business meeting is needed on the topic.

Love doesn’t want a hard division between wireless and wireline.

# IEEE 802 Org Issues

- Too Big?
  - Attendance above 1000 will require changes in process and hotels
  - Too many Appointed versus Elected Officers
- Little Interaction Between Wireline and Airline
  - FCC Coordination, Liaisons, PARs are different
- Different Cultures
  - Wireless networking
  - New people wanting to try new things (some good, some bad)
  - Interim meetings viewpoint
- Solutions
  1. No Change, Easiest, Lowest Risk?
  2. **Create hierarchy in IEEE 802 management**  
**Could lead to separation in Future**
  3. Separate into Wireline and Airline Committees  
Two strong committees with max flexibility

## 5.14 Move the Closing SEC meeting to Friday – Frazier

Frazier presents proposed text of rules change.

### 5.1.5.2.3 Executive Committee Representation

The chair of a hibernating Working Group may retain voting rights on the LMSC Executive Committee for three LMSC Plenary meetings after the WG has hibernated:

- a) if the hibernating WG chair was the active WG chair when the WG hibernated, and
- b) if the hibernating WG chair maintains attendance as per Retention (5.1.3.2) with attendance at both the ~~Monday opening~~ and ~~Thursday closing~~ Executive meeting required for Plenary meeting attendance.

### Procedure 5

#### PROCEDURE FOR LIMITING THE LENGTH OF THE IEEE LMSC EXECUTIVE COMMITTEE MEETINGS

~~7. The Monday morning and Thursday evening Executive Committee meetings during the Plenary session shall end no later than 10:30AM on Monday morning and at midnight on Thursday evening. The opening Executive Committee meeting shall have a duration of no greater than 2.5 hours. The closing Executive Committee meeting shall have a duration of no greater than 5 hours.~~

Carlo entertains motion to

**Move closing SEC meeting to Friday from 8:00am to 1:00 pm effective at the July, 2001 meeting, and initiate rules change to effect this change.**

### Frazier/Jeffree

Grow says that having been a voting member in dot3, dot5, dot6, dot11, he observes that every WG needs more task force meeting time.

Marks passes on comment from his WG members who feel that it would be more difficult to attend closing SEC meeting if it was held on Friday morning.

Rigsbee speaks in support of motion. It would give the meeting planning staff and the Exec Sec’y more time to prepare financial data.

### 9/1/0 Approved

## 5.15 IPR Positions – Kerry

Kerry asks whether there is new guidance from the chair of 802 regarding IPR.

Carlo says that he has observed groups discarding technical proposals for lack of an IPR release letter. Can’t do that. Can’t use coercion.

Kerry clarifies that asking for letters is okay, but saying that “proposal won’t be considered unless letter is submitted” is coercion.

Clyde Camp (Chairman of IEEE-SA Standards Board PatCom) clarifies that patent assurance letters should be directed to specific companies, but sent out in blanket fashion.

Love asks how to inform WG that patents exist for a particular technology.

Carlo says that it is okay to indicate that a patent assurance letter has been received for a particular technology.

Camp says that PatCom is working on guidelines to Working Group.

## 5.16 Break

### 5.17 802.1 Projects at RevCom – Jeffree

5 Three projects going to RevCom, .1t, .1u – maintenance and .1v extension to VLAN. Preliminary feedback from RevCom is that they will go through without problems. Expecting to bring motions to SEC on .1w and .1x on Thursday evening regarding conditional approval on forwarding to RevCom, same applies to 802.0.

### 5.18 802.5v at RevCom – Love

One outstanding no vote from a sponsor balloter. Has been recirc'd. Otherwise looks good at RevCom.

### 5.19 802.16.2 to Sponsor Ballot – Marks

10 Coexistence. Motion was passed by SEC email ballot. Sponsor ballot could open tomorrow. Sponsor ballot opening was delayed at IEEE. May ask SEC for electronic approval to forward to RevCom for June.

### 5.20 Withdrawal of 8802-4 and 8802-9 – Carlo

ISO standards, USTAG voted to withdraw. Will be withdrawn. No objections from Eastman and Vaman.

### 5.21 Wireless Coexistence SG – Heile

Expects to inform SEC of formation of Wireless Coexistence ECSG, chaired by Jim Lansford from HomeRF on Thursday night.

15 Carlo states that outcome of ECSG could be a PAR for a Recommended Practice which would be developed by a new 802 TAG.

Nikolich asks why this should be an ECSG as opposed to a SG within dot11, dot15, or dot16?

Heile answers that the SG should be set up independently so that it can consider issues which cut across the 802 wireless groups.

Joint 11, 15, 16 Ad hoc meeting scheduled for 1-3 on Wednesday.

Carlo says that this topic should be discussed at 802 organization SEC meeting.

### 20 5.22 Split 802.11e PAR – Kerry

802.11e working on QoS and Security. Feels that Security is moving along faster, need to split these two projects. Kerry introduces David Halaz, chairman of 802.11 Task Group E subcommittee on Security. May want to expedite process of addressing security concerns due to public awareness.

Carlo clarifies that a new PAR would need to be created for the items that are being split out of 802.11e.

### 25 5.23 5 GHz SG – International Standards – Kerry

5 GHz study group is working along MMC and ETSI BRAN. Trying to drive one standard. Looking at industry examples. Introduces Bruce Kramer from Intersil, who is currently the acting chair of the 5GSG. Goal is to come up with single global standard for 5 GHz LANs, there are currently 4 in development. Don't think that the structure of multiple independent SGs will result in a single standard. Working to resolve procedural and logistical issues.

30 Kerry says that guidance is needed from SEC on ways to get convergence on one standard.

Carlo wants to schedule meeting time with Judy Gorman from IEEE, who has knowledge of how IEEE works with ETSI and Japanese standards organizations.

Marks expresses concern that 3G wireless standardization process should not be used as a model for cooperation.

#### **5.24 Appointment of new SEC Recording Secretary – Carlo**

Carlo announces that Howard Frazier has resigned. Carlo intends to appoint Bob O’Hara. Broad consensus from SEC on appointment of Bob.

Bob O’Hara introduces himself and describes his background in 802.11 standards.

- 5 Kerry strongly recommends Bob O’Hara for the job and asks for the support of the SEC.

Marks provides strong endorsement for Bob O’Hara.

Carlo notes that Bob LaBelle from IEEE staff will be here at the meeting. Maybe LaBelle has ideas about SPAM prevention.

Grow expresses concern about the number of “Bob’s” on the SEC.

O’Hara notes that he will be able to change the names in the minutes.

10



# Recording Secretary – IEEE 802

- Howard Frazier has resigned effective at the end of this meeting. Thank you for the various suggestions for this post from SEC and membership
- I intend to appoint Bob O'Hara and ask for SEC affirmation on Thursday evening. Bob began working in 802.11 in 1992. Bob was the technical editor of both the original 1997 standard and the revision published in 1999 for IEEE 802.11. Currently, Bob is task group chair for 802.11d, extending the standard to meet worldwide regulatory requirements.
- Bob O'Hara, Informed Technology, Inc.
- 1750 Nantucket Circle, Suite 138, Santa Clara, CA 95054
- Email: [bob@informed-technology.com](mailto:bob@informed-technology.com)



### 5.25 802.16 PAR Changes – Marks

**Marks states that at the dot16 interim, a PAR reorganization plan was developed. The reorganization will be presented for SEC consideration at Thursday evening meeting. Two of the PARs will be recast as ammendents to 802.16.**

Carlo suggests that perhaps we need a standing agenda item for the subject of 802.16 project renumbering.

### 5 5.26 Meeting Fee Waivers – Carlo

STB members who attend only on Wed/Thurs are exempt from paying registration fee, but if they attend Monday/Tuesday, they must pay.

10 Grow asks if we are sure who we pay the meeting planners headcount fee for? Carlo assumes that we have to pay the fee for all of the waived individuals except the STD BRD members who attend on Wed/Thur. Grow and Rigsbee have action item to look over contract and examine how to treat meeting planner fees. STD BRD attendees should not register with 802. IEEE staff will handle registration for STD BRD and subcommittee members.

# Meeting Fee Waivers – Mar2001

- The following fees have been waived for Mar2001 meeting by the chair.
- All IEEE-SA Staff Participants
  - Rona Gertz, Terry Steenweg, Judi Gorman, Jodi Haasz, Yvette HoSang, Jennifer Longman, Jerry Walker, Bob LaBelle, Rob Jones, Mary Lynne Nielsen, Dave Ringle
- All IEEE-SA Standards Board Affiliated Members (Attend Wed/Thurs)
- Julius Knapp from USA-FCC (Tues/Wed)
- IEEE-SA 802 Coordination (Denise Pribula has left IEEE)
  - Yvette HoSang (Pubs Mgr) and Jennifer Longman (Tech Editor)

### **5.27 Regulatory Issues - Hayes**

In the absence of Hayes, Kerry speaks to the topic.

Heile says that we need to come up with a mechanism for how 802 responds to regulatory issues in a timely way when the issues affect 3 separate working groups.

### **5 5.28 LCD Projectors – Rigsbee**

Need to rent two projectors for two days. This hotel will provide reasonable rentals. \$400 first day, \$200 each additional day per projector. Need to know who needs a projector this afternoon.

Grow says we've got the money.

#### **Motion:**

**10 Approve expenditure of \$1400 for rental of two additional projectors.**

**Rigsbee/Kerry**

**10/0/1 Approved**

### **5.28 Schedule of SEC business meetings**

Jeffrey knows of no issues for dot1 tech plenary.

**15 Rules – Tuesday at 3:00 pm**

Organizational Issues – Tuesday at 4:00 pm

Wireless – Wed at 1:00 pm

Stds Distribution Tuesday night – 8:00 pm

# AGENDA & MINUTES (Unconfirmed) - IEEE 802 Monday Opening Plenary Meeting

Monday, March 12, 2001 - 11:00 a.m.

Marriot Golf Resort, Hilton Head, SC

## 1. MEETING CALLED TO ORDER

5 Jim Carlo called the meeting to order at 11:00 am.

### 11:00 Welcome and Review of SEC Meeting – Carlo

(see file carlo.pdf )

10 Carlo welcomes members. Notes that IEEE-SA Standards Board and committee meetings will be held Thursday, Friday, and Saturday. Introduces Rona Gertz, Jennifer Longman and Yvette Ho Sang, members of IEEE Staff, and Clyde Camp, chair of PatCom. Frazier and Thompson make noise and Carlo recognizes them as members of the IEEE-SA Standards Board.

Carlo reviews IEEE Patent Policy.

Carlo recaps SEC Monday morning meeting, noting that the closing SEC meeting will be held on Friday from 8:00 am to 1:00 pm at the July meeting in Portland.

15 Carlo also notes that we are engaged in continuing negotiations with IEEE Staff and the IEEE SA BoG regarding standards distribution.

Carlo recaps 802 Working Group Voting Rules. Notes that at the first meeting of 802.17, any one who attends 75% of the the meeting becomes a WG voting member.

# IEEE802 Monday Plenary Agenda

- 11:00 Welcome and Review of SEC Meeting Carlo
- 11:07 IEEE Standards Availability Frazier
- 11:12 Voting Rules and IEEE 802 Operating Rules Nikolich
- 11:15 Treasurer's Report Grow
- 11:20 Regulatory Ombudsman Hayes
- 11:25 IEEE Project Editors Status Report IEEE
- 11:30 802.1 Management/VLANs Jeffree
- 11:34 802.3 CSMA/CD (Ethernet) Thompson
- 11:39 802.11 WLAN (Wireless Local Area Network) Kerry
- 11:44 802.15 WPAN (Wireless Personal Area Network) Heile
- 11:49 802.16 BWA (Broadband Wireless Access) Marks
- 11:54 802.17 PRSG Resilient Packet Ring Takefman
- 11:58 Tutorials, Meeting Arrangements Rigsbee
- 12:00 ADJOURN

**<http://www.ieee802.org>**



# IEEE 802 ORGANIZATION

## SPONSOR EXECUTIVE COMMITTEE (SEC)

**CHAIR**  
Jim Carlo

### WORKING GROUP CHAIRS

**802.1**  
**BRIDGING/ARCH**  
Tony Jeffree

**802.3**  
**CSMA/CD**  
Geoff Thompson

**802.17**  
**ResPackRing**  
Mike Takefman

**802.11**  
**WLAN**  
Stuart J. Kerry

**802.15**  
**WPAN**  
Bob Heile

**802.16**  
**BWA**  
Roger Marks

### APPOINTED OFFICERS

**VICE CHAIR**  
Paul Nikolich

**RECORDING SEC**  
Howard Frazier

**EXECUTIVE SEC**  
Buzz Rigsbee

**TREASURER**  
Bob Grow

**REGULATORY**  
Vic Hayes

### HIBERNATION

802.2 LLC (Dave Carlson)

802.5 Token Ring (Bob Love\*)

802.4 Token Bus (Paul Eastman)

802.6 DQDB (Jim Mollenauer)

802.7 Broadband TAG (P Nikolich)

802.9 ISLAN (D. Vaman)

802.10 Security (Ken Alonge)

802.12 Demand Priority (Pat Thaler)

\* SEC Voting Member until Mar2001

### DISBANDED

802.8 Fiber Optic TAG (C. Benson)

802.14 CATV (Robert Russell)



Jim Carlo - IEEE 802 Chair

Mar-2001

# IEEE STANDARDS ASSOCIATION

## IEEE-SA BOARD OF GOVERNORS

### IEEE-SA STANDARDS BOARD

NESCOM - PARS  
REVCOM - STANDARDS  
PATENTS

COMPUTER  
SOCIETY SAB

APPEALS  
PRESS RELEASES  
RULES

### IEEE-SA STAFF

PUBLISHING  
LMSC BALLOTS  
SUPPORT  
TRAINING

**IEEE 802**

SPONSOR

CHAIR

SEC (11)

VOTING MEMBERSHIP (700)

US TAG

ISO/IEC  
JTC1/SC6

IEEE  
802

Jim Carlo - IEEE 802 Chair Mar-2001



# Jim Carlo - IEEE 802 Chair

- EMAIL: j.carlo@ieee.org
- Phone: 214-693-1776 (Cellular)
- Fax: 214-853-5724
- Texas Instruments, Dallas, TX
  
- Goals for IEEE 802 - 2000
  - Enable IEEE802 to develop consensus standards that benefits the World Wide Networked Society.
  - Maintain the imperative principals of due process, consensus, openness, balance and rights of appeal.
  - Electronic distribution of standards.

# Patents - IEEE-SA Standards Board Operations Manual (Jan 2001)

## 6.3 Patents

The patent policy is set forth in clause 6 of the *IEEE-SA Standards Board Bylaws*. Patent holders shall submit letters of assurance to the IEEE Standards Department (to the attention of the Staff Administrator, Intellectual Property Rights) before the time of IEEE-SA Standards Board review for approval. In the event that a patent may apply to a standard and a letter of assurance cannot be obtained, the working group shall refer this matter to the Patents Administrator in the IEEE Standards Department. Unless the letter of assurance is received from an individual within the issuing organization who has clear authority for intellectual property and/or legal matters, the IEEE Standards Department (Administrator, Intellectual Property) shall send a certified letter, return receipt requested, to the General Counsel of the issuing organization to confirm receipt of the letter of assurance and to ensure that the letter of assurance is factually correct and was submitted by an appropriate individual within the issuing organization. No response to this letter, other than the return receipt, is required. The IEEE will provide contact information about the patent holder upon request.

# Patents - IEEE-SA Standards Board Operations Manual (Jan 2001)

## 6.3.1 Public notice

The following notice shall appear when the IEEE receives assurance from a known patent holder prior to the time of publication that a license will be made available to all applicants either without compensation or under reasonable rates, terms, and conditions that are demonstrably free of any unfair discrimination.

“Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. The IEEE shall not be responsible for identifying patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention. A patent holder has filed a statement of assurance that it will grant licenses under these rights without compensation or under reasonable rates and nondiscriminatory, reasonable terms and conditions to all applicants desiring to obtain such licenses. The IEEE makes no representation as to the reasonableness of rates and/or terms and conditions of the license agreements offered by patent holders. Further information may be obtained from the IEEE Standards Department. “

If the IEEE has not received letters of assurance prior to the time of publication, the following notice shall appear:

“Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. The IEEE shall not be responsible for identifying patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.”

## Patents - IEEE-SA Standards Board Operations Manual (Jan 2001)

### **6.3.2 Submittal**

Through the working group, the Sponsor chair shall request that known patent holders submit a statement either that the patent does not apply to the standard or that licenses will be made available without compensation or under reasonable rates, terms, and conditions. This assurance shall be obtained without coercion and submitted to the IEEE at the earliest practical time prior to the approval of an IEEE standard.

The IEEE encourages early disclosure to the working group of patent information that might be relevant to the standard. While standards may include the known use of patents if there is technical justification, the working group should not attempt to determine whether or not a patent applies. The working group shall accept the view of the patent holder.

### **6.3.3 Disclaimer**

The IEEE shall not be responsible for identifying all patents for which a license may be required by an IEEE standard or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.

# IEEE 802 WG Voting Rules

## 5.1.3 Membership

All persons participating in the initial meeting of the Working Group become voting members of the Working Group. Thereafter, voting membership in a Working Group is established by participating in the meetings of the Working Group at two out of the last four Plenary sessions, and (optionally) a letter of intent to the Chair of the Working Group. Membership starts at the third Plenary session. One duly constituted interim Working Group or task group meeting may be substituted for the Working Group meetings at one of the two Plenary sessions (See 5.1.3.5 Meetings and Participation).

Members of the Working Group who have not achieved voting status are known as observers. Liaison members are those designated individuals who provide liaison with other working groups or standards bodies.

**11:15 Treasurer's Report**

(see file montreasrep.pdf)

**IEEE Project 802  
Statement of Operations  
November 2000 Meeting**

<b>open</b>	<b>25 October Operating Reserve</b>	<b>49,671</b>	
<b>November 2000 Meeting Income:</b>		<b>Actual</b>	<b>Budget</b>
	345 Registrations@ \$300	103,500	
	576 Registrations@ \$250	144,000	
	Registrations@ \$100	0	
	<b>Subtotal</b>	<b>247,500</b>	<b>247,500</b>
	Deadbeat Registrations		182,000
	Bank Interest	607	0
	Other	950	200
<b>plus</b>	<b>TOTAL Income</b>	<b>249,057</b>	<b>400</b>
<b>November 2000 Meeting Expenses:</b>		<b>Actual</b>	<b>Budget</b>
	Audio Visual Rentals	8,793	5,000
	Bank Charges	0	25
	Copying	2,441	9,100 **
	Credit Card Discounts	6,546	5,096 *
	IEEE 802 Free Standards Escrow	69,075	52,500
	Meeting Administration	52,563	44,300 *
	Phone & Electrical	1,702	1,500
	Refreshments	38,608	26,600
	Shipping	2,546	3,500
	Social	0	21,000
	Supplies	0	100
	Other	5,326	1,500
<b>minus</b>	<b>TOTAL Meeting Expense</b>	<b>187,599</b>	<b>170,221</b>
<b>minus</b>	<b>Equipment Expense</b>	<b>30,390</b>	<b>5,000 **</b>
<b>equals</b>	<b>November 2000 Operating Reserve</b>	<b>80,740</b>	
	<b>Total Free Standards Escrow</b>	<b>132,900</b>	
	<b>Net Change in Operating Reserve</b>	<b>31,068</b>	<b>12,379 **</b>

\* Actual charges are based on registration, budget is based on registration forecast.

**11:20 Regulatory Ombudsman – Hayes**

(see file regmonplen.pdf)



**11:25 IEEE Project Editor's Status Report – Yvette Ho Sang**

(see file editor.pdf)

### **Upcoming IEEE 802 Standards**

The following are on the March 2001 RevCom agenda:

- IEEE P802.1t
- IEEE P802.1u
- IEEE P802.1v
- IEEE P802.5v

### **Status of IEEE 802 Projects**

- IEEE Std 802.3, 2000 Edition, published as ISO/IEC 8802-3:2000, was published in October 2000.

Following IEEE 802.11 Handbook by Al Petrick and Tom Siep, the following book was published by the IEEE Standards Information Network (IEEE SIN):

- An IEEE Guide: How to Find What You Need in the Bluetooth Spec by Tom Siep was published in November 2000.

### **Update on IEEE 802 Projects**

- IEEE P802.16.2 will begin sponsor ballot this week
- IEEE P802.3ag ballot invitation will close on March 13.

**11:30 802.1 HILI – Jeffrey**

(see file dot1monplen.pdf)

# 802.1 - Activities & status

Tony Jeffree, WG Chair

12th March 2000

# Areas of work

- 802 Architecture
- Interworking between 802 technologies
  - “Technical Plenary” if needed
- MAC Bridging
  - “traditional” bridging
  - VLAN bridging
- LAN management
- Website: <http://www.ieee802.org/1/>

# Status of current projects - (1)

- Standard 802 revision (Overview & Architecture)
  - Awaiting Sponsor confirmation ballot
- P802.1s - Multiple Spanning Tree support in VLANs
  - New draft (D9) out last week; TG ballot expected in next few weeks

## Status of current projects - (2)

- P802.1t - Tech & ed corrections to 802.1D MAC Bridges
  - Draft 10 to Standards Board this week
- P802.1u - Tech & ed corrections to 802.1Q VLANs
  - Draft 9 to Standards Board this week

## Status of current projects - (3)

- P802.1v - VLAN classification by protocol and port
  - Draft 6 to Standards Board this week
- P802.1w - Rapid Spanning Tree reconfiguration
  - Draft 8 to WG Sponsor Ballot has passed; comment resolution this week



# Status of current projects - (4)

- P802.1X - Port based network access control
  - Draft 9 to WG Sponsor Ballot has passed; ballot resolution this week

# Meeting Times etc

- Location: Hilton hotel, Promenade 4
- Opening plenary 1:00 Monday
- Meeting start time: 9:00 am each day
- Detailed agenda will be decided at opening plenary

**11:34 802.3 CSMA/CD – Thompson**

(see file dot3monplen.pdf)

# 802.3 CSMA/CD Working Group Status

- Major Activities:
  - P802.3ae10 Gigabit Ethernet TF  
Generated draft, seeking WG Ballot
  - P802.3af DTE Power via MDI  
Refining tech. Work & draft
  - P1802.3Rev., Conformance Test  
Almost ready to submit to RevCom
  - P802.3ag-REV Maint #6  
WG last(?) recirc opened w/I last few days
  - Study Group: Ethernet in the First Mile
  - Liaison reports
  - Ad Hoc: Cable Discharge

# 802.3 Standard Status

- **Published (PDF & Paper)**

- **IEEE Std. 802.3 2000 Edition**
- **ISO/IEC 8802-3 2000**

**Paper, ISO edition only: 1586 pages**

**PDF included in current CD-ROM (as 802.3)**

- **Now Obsolete:**

- **IEEE Std. 802.3 1998 Edition**
- **IEEE Std. 802.3ac-1998 VLAN Tag Supplement**
- **IEEE Std. 802.3ab-1999 1000BASE-T Supp.**
- **IEEE Std. 802.3ad-2000 Link Aggregation Amend't**

## 802.3 CSMA/CD Working Group Officers

- 802.3 Chair: Geoff Thompson  
([thompson@ieee.org](mailto:thompson@ieee.org))
- 802.3 Vice Chair: David Law  
([davel@pdd.3Com.com](mailto:davel@pdd.3Com.com))
- 802.3 Secretary: Bob Grow  
([bob.grow@intel.com](mailto:bob.grow@intel.com))
- 802.3ae 10 Gig E'net: Jonathan Thatcher  
([jonathan@worldwidepackets.com](mailto:jonathan@worldwidepackets.com))
- DTE Power via MDI: Steve Carlson  
([scarlson@esta.org](mailto:scarlson@esta.org))
- Ethernet in First Mile SG: Howard Frazier  
([millardo@dominetsystems.com](mailto:millardo@dominetsystems.com))

- 802.3 CSMA/CD Web site
- Information is always available on our web site:

<http://www.ieee802.org/3/index.html>

- WE WILL MEET IN THIS ROOM

STARTING at 1:00 PM

**11:39 802.11 WLAN – Kerry**

(see file dot11monplen.pdf)



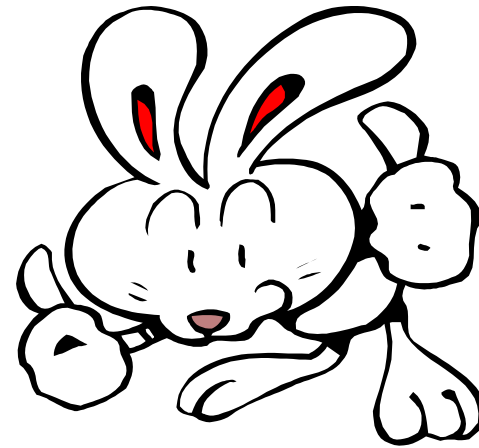
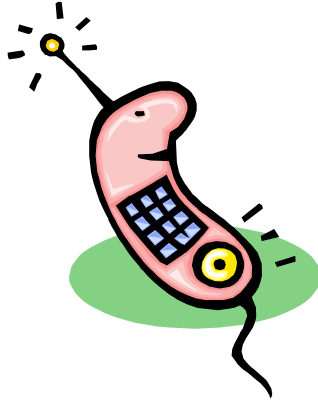
66th Session of the  
IEEE 802.11 Working Group

# Wireless Local Area Networks



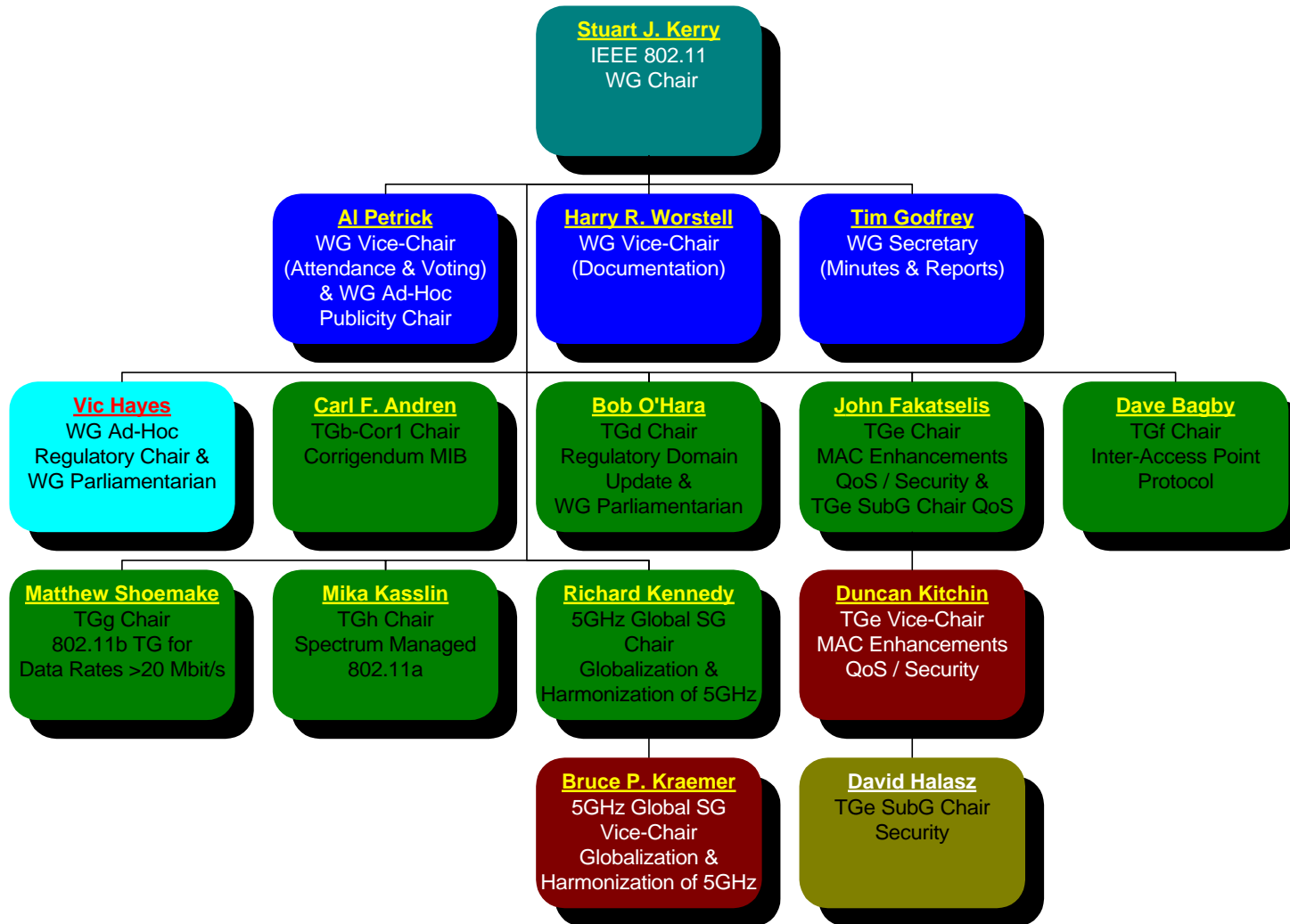
**March 12-16, 2001, Hilton Head, SC.**

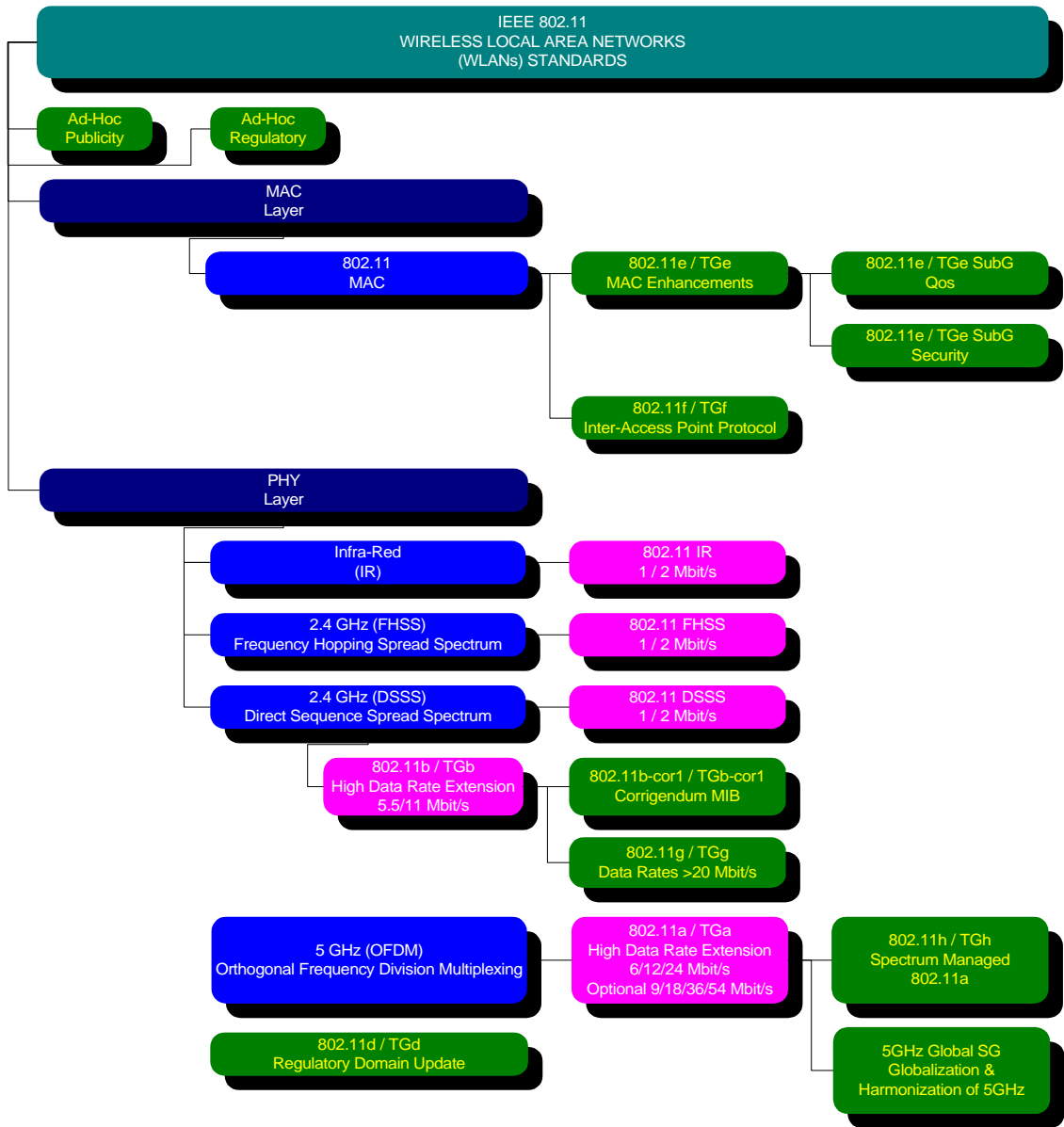
# As a Courtesy To Others ...



**“PLEASE** switch your **Mobile Phones OFF**, or to Vibration Alert when in the meeting rooms.....**Thank You”**

# IEEE 802.11 Standards Working Group for Wireless Local Area Networks (WLANs)





## 66th IEEE 802.11 WLAN MEETING

MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA

March 11 - 16th, 2001

### OBJECTIVES FOR THIS MEETING:

#### TASK GROUP B-COR1- CORRIGENDUM MIB (CARL A.)

- Review, resolve and process all comments received from IEEE electronic sponsor ballot
- If necessary, send a revised draft out for recirculation ballot

#### TASK GROUP D - REGULATORY DOMAIN UPDATE (BOB O.)

- Process all comments received from IEEE electronic sponsor ballot
- If necessary, send a revised draft out for recirculation ballot

#### TASK GROUP E - MAC ENHANCEMENTS (JOHN F.)

- Continue work on draft
- Approve a new complete version of the draft, and start the working group letter ballot process
- Address any technical papers

#### TGE(Q) - QOS SUB GROUP (JOHN F.)

- Approve additional text into draft and if feasible initiate a working group letter ballot via TGE

#### TGE(S) - SECURITY SUB GROUP (DAVID H.)

- Approve additional text into draft and if feasible initiate a working group letter ballot via TGE

#### TASK GROUP F - IAPP (DAVE B.)

- Review comments resulting from document 01/102 and consider submissions to enhance draft
  - Review and consider any new submissions
  - Adopt merged text as official first draft of the Recommended Practice

#### TASK GROUP G - 802.11B DATA RATES >20 MBIT/S (MATTHEW S.)

- Continue selection procedure with the potential of completion during session
- Nominate editor for 802.11g and make recommendation to 802.11 WG
- Begin comment resolution process
- Begin/enable first draft of 802.11g

#### TASK GROUP H - SPECTRUM MANAGED 802.11A (MIKA K.)

- Refine seminal documents:
  - Functional requirements 00/369r1
  - Proposal selection process 00/284
  - Comparison criteria matrix 00/421
- Review any received proposals
- Clarify Regulatory Requirements, especially on DFS

#### 5 GHZ GLOBALIZATION STUDY GROUP (RICHARD K. / BRUCE K.)

- Review the results and actions from ETSI-BRAN#22
- Review the results and actions from 5GWIAG meetings in Stockholm & Hilton Head
- Review technical proposals for near term Interworking mechanism
- Discuss PAR and 5 Criteria for elevation of J5GSG to Task Group within Thursday 802 ExCom via WG Plenary
- Discuss mechanism for creating proposed 5GPP to create single global standard
- Establish plans for BRAN#23 and subsequent meetings

#### RADIO REGULATORY AD-HOC (VIC H.)

- Establish Regulatory Group as Permanent Group with a Charter
- Invite FCC personnel to participate
  - "Confirmed" Possible tutorial on Tuesday evening for the FCC to speak about their processes and our involvement
- To prepare and submit position statements
  - Prepare two liaison statements to Administrations regarding Radar Characteristics

#### PUBLICITY ADHOC (AL P.)

- Complete work on General Publicity Presentation for WG Web Site
- Finalize WLAN Forecast Documentation
- Update Conference Calendar
- Continue to Work on Joint 802.11 / 802.15 Publicity Activities
- WECA update
- OFDM Forum update

#### WG CHAIRS ADHOC (STUART K.)

- Update timeline chart for all 802.11 WG PARs
- IEEE 802.11 / ETSI BRAN and MMAC study groups administrative issues & co-ordination

#### OTHER WG ADHOC'S & ISSUES (ALL)

- Joint IEEE 802.11 / 802.15 / 802.16 Co-Existence issues in 2.4 GHz and 5 GHz

**66th IEEE 802.11 WLAN MEETING**  
**MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA**

**March 11 - 16th, 2001**

The graphic below describes the weekly session of the IEEE P802.11 WG in graphic format.  
 (Numbers in Parenthesis are the approximate number of attendees / room size for each group meeting)

	SUNDAY	MONDAY			TUESDAY				WEDNESDAY				THURSDAY				FRIDAY				
07:00-07:30													WG Chair's Meeting (16)								
07:30-08:00																	802.11 Optional Meeting Time	IEEE-SA Standards Board Review Committee (RevCom) Meeting			
08:00-08:30																					
08:30-09:00		802 ExCom			TGE Ad-Hoc (120)	TGG Ad-Hoc (100)	TGG (100)	TGH (30)	TGF (60)		TGG (100)	R-Reg (25)	TGF (60)	TGH (30)	TGG (100)	TGD (25)			TGF (60)	TGH (30)	
09:00-09:30																					
09:30-10:00																					
10:00-10:30		Break			Break				Break				Break								
10:30-11:00																					
11:00-11:30		802 Opening Plenary			TGE Ad-Hoc (120)	TGG Ad-Hoc (100)	TGE (Q) (60)	TGE (S) (60)	PC (40)		5GSG (80)	TGG (100)	TGE (Q) (60)	TGE (S) (60)	5GSG (80)	TGG (100)			TGE (Q) (60)	TGE (S) (60)	TGH (30)
11:30-12:00																					
12:00-13:00		Lunch			Lunch				Lunch				Lunch								
13:00-13:30																					
13:30-14:00	802.11 Optional Meeting Time and Network Setup	802.11 WG Opening (250) <small>(ending with a 10 minute new members orientation)</small>			TGE (Q) (60)	TGE (S) (60)	TGG (100)		5GSG (80)	802.11/ 802.15 Joint Meeting (350)				R-Reg (25)	TGE (120)		5GSG (80)				
14:00-14:30																					
14:30-15:00																					
15:00-15:30		Break			Break				Break				Break								
15:30-16:00																					
16:00-16:30		TGE (120)			TGD (25)	R-Reg (25)	TGE (Q) (60)	TGE (S) (60)	TGF (60)		802.11 WG (250)				802.11 WG Closing (250)						
16:30-17:00	11/15 Co-ord Meeting (6)																				
17:00-17:30																					
17:30-18:30	Break	Dinner			Dinner				Break				Dinner								
18:30-20:00	WG Chair's Meeting (16)	TGE (Q) (60)	TGE (S) (60)	TGG (100)	Tut 1	TGH (30)	TGG (100)	TGF (60)	5GSG (80)	FCC	Social				802 ExCom						
20:00-21:30																					

LEGEND:		
TGB-Cor1 = Task Group B-Cor1 (Corrigendum MIB)	TGD = Task Group D (Regulatory Domain Update)	TGE = Task Group E (MAC Enhancements)
TGF = Task Group F (Inter-Access Point Protocol)	TGG = Task Group G (802.11b Data Rates >20 Mbit/s)	TGE(Q) = QoS Sub Group
TGH = Task Group H (Spectrum Managed 802.11a)	5GSG = 5 GHz Globalization Study Group	TGE(S) = Security Sub Group
PC = Joint 802.11 / 802.15 Publicity Committee	R-Reg = Radio Regulatory Ad-Hoc Group	AHP = 802.11 WG Ad-Hoc Publicity Group
11/15 Co-ord = Joint 11/15 Co-ordination Ad-Hoc	WG Chair's Meeting = All 802.11 Chair's Ad-Hoc	COA = Joint 802.11 / 802.15 Co-existence Ad-Hoc Group
		TUT = IEEE 802 Tutorials 1, 2, 3 and 4

**Tentative AGENDA - 66th IEEE 802.11 WLAN MEETING**  
**Monday, March 12th, 2001 - 1:00 PM**  
**MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA**

1.	*	802.11 PLENARY MEETING CALLED TO ORDER	- KERRY	1	01:00 PM
2.	*	ROLL CALL	- KERRY	5	01:01 PM
3.	*	REVIEW OBJECTIVES FOR THIS SESSION	- KERRY	5	01:06 PM
4.	*	REVIEW IEEE/802 & 802.11 POLICIES and RULES	- KERRY/PETRICK	10	01:11 PM
5.	*	LOGISTICS ( Doc Distribution, Breaks, etc)	- KERRY/WORSTELL	2	01:21 PM
6	*	APPROVE OR MODIFY AGENDA	- KERRY	5	01:23 PM
Category (* = consent agenda)					
7.1	MI	REVIEW AND APPROVE MINUTES OF Monterey MEETING	- KERRY/GODFREY	5	01:28 PM
7.2	DT	MATTERS ARISING FROM THE MINUTES	- KERRY	3	01:33 PM
7.3	II	TASK GROUP / STUDY GROUP REPORTS			
7.3.1	II	REPORT ON EXCOM ACTIVITIES AND PLANS	- KERRY	5	01:36 PM
7.3.2	II	REPORT ON TGB-COR1 ACTIVITIES AND PLANS	- ANDREN	1	01:41 PM
7.3.3	II	REPORT ON TGD ACTIVITIES AND PLANS	- O'HARA	1	01:42 PM
7.3.4	II	REPORT ON TGE ACTIVITIES AND PLANS	- FAKATSELIS	5	01:43 PM
7.3.4.1	II	REPORT ON TGE (Q) ACTIVITIES AND PLANS	- FAKATSELIS		
7.3.4.2	II	REPORT ON TGE (S) ACTIVITIES AND PLANS	- HALASZ		
7.3.5	II	REPORT ON TGF ACTIVITIES AND PLANS	- BAGBY	5	01:48 PM
7.3.6	II	REPORT ON TGG ACTIVITIES AND PLANS	- SHOEMAKE	5	01:53 PM
7.3.7	II	REPORT ON TGH ACTIVITIES & PLANS	- KASSLIN	5	01:58 PM
7.3.8	II	REPORT ON 5GSG ACTIVITIES AND PLANS	- KENNEDY/KRAEMER	5	02:03 PM
7.3.9	II	REPORT ON RADIO REGULATORY ACTIVITIES & PLANS	- HAYES	5	02:08 PM
7.3.10	II	REPORT ON PUBLICITY ACTIVITIES AND PLANS	- PETRICK	5	02:13 PM
7.4	MI	AFFIRM LIAISON REPRESENTATIVES OF 802.11 WG TO/FROM OTHER GROUPS	- KERRY/PETRICK	3	02:18 PM
7.5	MI	REVIEW AND APPROVE AGENDA FOR 802.15 JOINT MTG	- KERRY	3	02:21 PM
7.6	II	REVIEW SUBMISSIONS	- WORSTELL	3	02:24 PM
7.7	II	OLD BUSINESS	- KERRY	11	02:27 PM
7.7.1	DT				
7.8	II	NEW BUSINESS	- KERRY	11	02:38 PM
7.8.1	DT		-		
7.9	II	ANNOUNCEMENTS	- KERRY	1	02:49 PM
7.10	II	NEW MEMBERS ORIENTATION	PETRICK	10	02:50 PM
7.11	MI	RECESS FOR SUBGROUPS		0	03:00 PM
BREAK				30	03:00 PM
BEGIN MEETINGS OF TGD, TGE, AND R-REG					03:30 PM

ME - Motion, External      MI - Motion, Internal  
DT- Discussion Topic      II - Information Item

**Tentative AGENDA - 11th IEEE 802.11 WLAN & IEEE 802.15 WPAN MEETING**  
**Wednesday, March 14th, 2001 - 1:00 PM**  
**MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA**

0		<b>JOINT MEETING WITH 802.15</b>			<b>01:00 PM</b>
1.	*	<b>OPENING</b>	- KERRY/HEILE	1	01:00 PM
1.1	*	<b>ROLL CALL - BANISHED</b>	- ALL	0	01:01 PM
1.2	*	<b>ANNOUNCEMENTS</b>	- KERRY/HEILE	1	01:01 PM
1.3	*	<b>APPROVE OR MODIFY AGENDA</b>	- KERRY/HEILE	1	01:02 PM
2.	MI	<b>APPROVAL OF THE MINUTES OF PREVIOUS MEETINGS</b>	- KERRY/HEILE	2	01:03 PM
2.1	DT	<b>MATTERS ARISING FROM THE MINUTES</b>	- KERRY/HEILE	2	01:05 PM
		Category (* = consent agenda)			
3	II	<b>OLD BUSINESS</b>			
3.1	II	<b>SUMMARY OF KEY WG / 802 EVENTS / ACTIVITIES</b>	- KERRY/HEILE	2	01:07 PM
3.2	II	<b>REVIEW INTERIM MEETINGS</b>			
3.2.1	II	<b>MAY 2001 MEETING</b>	- KERRY/HEILE/PETRICK	5	01:09 PM
3.2.2	II	<b>SEPTEMBER 2001 MEETING</b>	- KERRY/HEILE/LI	5	01:14 PM
3.2.3	II	<b>FUTURE MEETING LOCATIONS</b>	- KERRY/HEILE	3	01:19 PM
3.2.4	II	<b>FINANCIALS / YTD SUMMARY</b>	- KERRY/HEILE	5	01:22 PM
3.2.5	II	<b>WIRELESS NETWORK FOR MEETINGS</b>	- GODFREY/ECKARD	5	01:27 PM
3.3	II	<b>TASK GROUP/STUDY GROUP REPORTS</b>			
3.3.1	II	<b>802.11 TASK GROUP B-COR1 UPDATES</b>	- ANDREN	4	01:32 PM
3.3.2	II	<b>802.11 TASK GROUP D UPDATES</b>	- O'HARA	4	01:36 PM
3.3.3	II	<b>802.11 TASK GROUP E UPDATES</b>	- FAKATSELIS/KITCHIN	8	01:40 PM
3.3.3.1	II	<b>REPORT ON TGE(Q) SUB GROUP</b>	- FAKATSELIS		
3.3.3.2	II	<b>REPORT ON TGE(S) SUB GROUP</b>	- HALASZ		
3.3.4	II	<b>802.11 TASK GROUP F UPDATES</b>	- BAGBY	4	01:48 PM
3.3.5	II	<b>802.11 TASK GROUP G UPDATES</b>	- SHOEMAKE	4	01:52 PM
3.3.6	II	<b>802.11 TASK GROUP H UPDATES</b>	- KASSLIN	4	01:56 PM
3.3.7	II	<b>802.11 STUDY GROUP 5GSG UPDATES</b>	- KENNEDY/KRAEMER	4	02:00 PM
3.3.8	II	<b>802.11 / 802.15 PUBLICITY ACTIVITY REVIEW</b>	PETRICK/KRAEMER	4	02:04 PM
3.3.9	II	<b>802.15.1 BLUETOOTH RADIO1 TASK GROUP</b>	- GIFFORD	4	02:08 PM
3.3.10	II	<b>802.15.2 COEXISTENCE TASK GROUP</b>	- SHELLHAMMER	4	02:12 PM
3.3.11	II	<b>802.15.3 HIGH RATE TASK GROUP</b>	- BARR	4	02:16 PM
3.3.12	II	<b>802.15.4 LOW RATE TASK GROUP</b>	- HEILE	4	02:20 PM
3.4	MI	<b>REVIEW RADIO REGULATORY ACTIVITIES</b>	- HAYES	10	02:24 PM
3.5	DT	<b>JOINT COEXISTENCE TASK GROUP RECOMMENDATION</b>	- KENNEDY/SHELLHAMMER	5	02:34 PM
4	DT	<b>NEW BUSINESS</b>		20	02:39 PM
4.1	DT	<b>IEEE 1394 &amp; 1394 TRADE ASSOCIATION LIAISON</b>	- JOHANSSON/RITTER		
4.2	DT				
5	MI	<b>ADJOURN JOINT 802.11 / 802.15 MEETING FOR THIS SESSION</b>		1	02:59 PM
		<b>BREAK</b>		30	03:00 PM

**MEETING OF 802.11 FULL WORKING GROUP**

1.	*	<b>MEETING CALLED TO ORDER</b>	- KERRY	1	03:30 PM
1.1	*	<b>ANNOUNCEMENTS</b>	- ALL	1	03:31 PM
1.2	*	<b>APPROVE OR MODIFY AGENDA</b>	- KERRY	2	03:32 PM
2.1	MI	<b>CONDUCT VOTES IF REQUIRED</b>	- KERRY	25	03:34 PM
2.2	II				
3.	MI	<b>RECESS FOR SUBGROUPS</b>	- KERRY	1	03:59 PM

**BEGIN MEETINGS OF TGD, TGE(Q), TGE(S) AND TGG** **04:00 PM**

ME - Motion, External      MI - Motion, Internal  
DT- Discussion Topic      II - Information Item



**Tentative AGENDA - 66th IEEE 802.11 WLAN MEETING**  
**Thursday, March 15th, 2001 - 3:30 PM**  
**MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA**

1.	*	MEETING CALLED TO ORDER	- KERRY	1	03:30 PM
2.	*	APPROVE OR MODIFY AGENDA	- KERRY	5	03:31 PM
3.	*	ANNOUNCEMENTS	- KERRY	5	03:36 PM
3.1	*	WG, TG, SG, & SUB GROUP CHAIRS UPDATE REPORTS (by March 21st)	- ALL CHAIR'S		
3.2	*	CHAIR'S OBJECTIVES & AGENDAS FOR THE MAY 2001 INTERIM MEETING (by April 2nd)	- ALL CHAIR'S		
3.3	*	CHAIR'S PRE-MEETING CONFERENCE CALLS (on April 9th, & April 30th @09:00 am PST)	- ALL CHAIR'S		
3.4	*	WEB SITE POSTING OF OBJECTIVES & GROUP AGENDAS (by April 13th)	- KERRY		
Category (* = consent agenda)					
4.1	DT	DOCUMENT LIST UPDATE	- WORSTELL	2	03:41 PM
4.2.1	II	TGB-COR1 CLOSING REPORT & NEXT MEETING OBJECTIVES	- ANDREN	1	03:43 PM
4.2.2	II	TGD CLOSING REPORT & NEXT MEETING OBJECTIVES	- O'HARA	1	03:44 PM
4.2.3	II	TGE CLOSING REPORT & NEXT MEETING OBJECTIVES	- FAKATSELIS	10	03:45 PM
4.2.3.1	II	TGE (Q) SUB GROUP CLOSING REPORT & NEXT MEETING OBJECTIVES	- FAKATSELIS		
4.2.3.2	II	TGE (S) SUB GROUP CLOSING REPORT & NEXT MEETING OBJECTIVES	- HALASZ		
4.2.4	II	TGF CLOSING REPORT & NEXT MEETING OBJECTIVES	- BAGBY	5	03:55 PM
4.2.5	II	TGG CLOSING REPORT & NEXT MEETING OBJECTIVES	- SHOEMAKE	5	04:00 PM
4.2.6	II	TGH (DCS/TPC) CLOSING REPORT & NEXT MEETING OBJECTIVES	- KASSLIN	5	04:05 PM
4.2.7	II	5GSG CLOSING REPORT & NEXT MEETING OBJECTIVES	- KENNEDY/KRAEME	5	04:10 PM
4.2.8	II	RADIO REGULATORY CLOSING REPORT & NEXT MEETING OBJECTIVES	- HAYES	5	04:15 PM
4.2.9	II	PUBLICITY CLOSING REPORT & NEXT MEETING OBJECTIVES	- PETRICK	5	04:20 PM
4.2.10	II	LIAISON REPORT FROM 802.15	- KERRY	5	04:25 PM
5.	DT	OLD BUSINESS	- KERRY	30	04:25 PM
5.1	DT	TGB-COR1 MOTIONS (If Required)	- ANDREN		
5.2	DT	TGD MOTIONS (If Required)	- O'HARA		
5.3	DT	TGE MOTIONS (If Required)	- FAKATSELIS		
5.4	DT	TGF MOTIONS (If Required)	- BAGBY		
5.5	DT	TGG MOTIONS (If Required)	- SHOEMAKE		
5.6	DT	TGH MOTIONS (If Required)	- KASSLIN		
5.7	DT	5GSG MOTIONS (If Required)	- KENNEDY/KRAEMER		
5.8	DT	RADIO REGULATORY MOTIONS (If Required)	- HAYES		
5.9	DT	PUBLICITY MOTIONS (If Required)	- PETRICK		
5.10	DT				
6.	DT	NEW BUSINESS	- KERRY	30	04:55 PM
6.1	DT	TGB-COR1 MOTIONS (If Required)	- ANDREN		
6.2	DT	TGD MOTIONS (If Required)	- O'HARA		
6.3	DT	TGE MOTIONS (If Required)	- FAKATSELIS		
6.4	DT	TGF MOTIONS (If Required)	- BAGBY		
6.5	DT	TGG MOTIONS (If Required)	- SHOEMAKE		
6.6	DT	TGH MOTIONS (If Required)	- KASSLIN		
6.7	DT	5GSG MOTIONS (If Required)	- KENNEDY/KRAEMER		
6.8	DT	RADIO REGULATORY MOTIONS (If Required)	- HAYES		
6.9	DT	PUBLICITY MOTIONS (If Required)	- PETRICK		
6.10	DT				
7	DT	OPEN DISCUSSION / NEXT STEPS	- KERRY	5	05:25 PM
8	MI	ADJOURN THIS SESSION	- KERRY	1	05:30 PM

ME - Motion, External      MI - Motion, Internal  
DT- Discussion Topic      II - Information Item

**11th IEEE 802.15 WPAN MEETING**  
**MARRIOTT HILTON HEAD, 1 Hyatt Circle, PO Box 6167, Hilton Head Island, SC 29928, USA**

**March 11 - 16th, 2001**

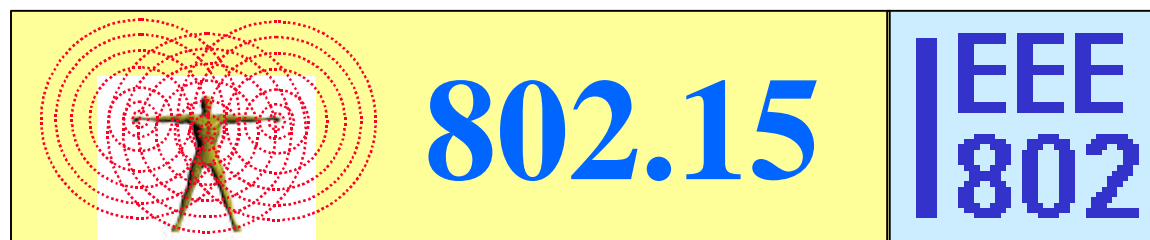
The graphic below describes the weekly session of the IEEE P802.15 In graphic format.

TIMES	SUNDAY	MONDAY			TUESDAY				WEDNESDAY				THURSDAY			FRIDAY
07:00-07:30													Advisory Committee (10)			Optional Meeting Time
07:30-08:00																
08:00-08:30																
08:30-09:00		TG1 Ad Hoc (12)	TG3 Ad Hoc (120)	ExCom	TG1 (12)	TG3 MAC (50)	TG2 (60)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG4 (30)	TG2 (120)	
09:00-09:30																
09:30-10:00		Break			Break				Break				Break			
10:00-10:30																
10:30-11:00		TG1 Ad Hoc (12)	TG3 Ad Hoc (120)	802 Opening Plenary	TG1 (12)	TG3 MAC (50)	PC (40)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG4 (30)	TG3 (120)	
11:00-11:30																
11:30-12:00		Lunch			Lunch				Lunch				Lunch			
12:00-13:00																
13:00-13:30	Optional Meeting Time	802.15 WG Opening (150)			TG1 (12)	TG3 PHY (50)	TG2 (60)	TG4 (30)	802.11/ 802.15 Joint Meeting (300)				TG1 (12)	TG3 (120)L		
13:30-14:00																
14:00-14:30		Break			Break				Break				Break			
14:30-15:00																
15:00-15:30																
15:30-16:00									802.15 WG (150)				802.15 WG Closing (150)			
16:00-16:30		TG1 (12)	TG2 (60)	TG3 (60)L	TG1 (12)	TG3 PHY (50)	TG2 (60)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG3 (120)		
16:30-17:00	11/15 Jt Chairs															
17:00-17:30		Dinner			Dinner				Break				Dinner			
17:30-18:30																
18:30-20:00	AC (10)	Editors Meeting	Tut1		TG1 (12)			Tut3		Social						
20:00-21:30			Tut2					Tut4						ExCom		

TG1=Task Group 1-Bluetooth    TG2=Task Group 2-Coexistence    TG3=Task Group 3-High Rate  
 R2SG=Radio2 Study Group    TG4=Task Group 4-Low Rate    PC=Publicity Committee

**11:44 802.15 WPAN – Heile**

(see file dot15monplen.pdf)

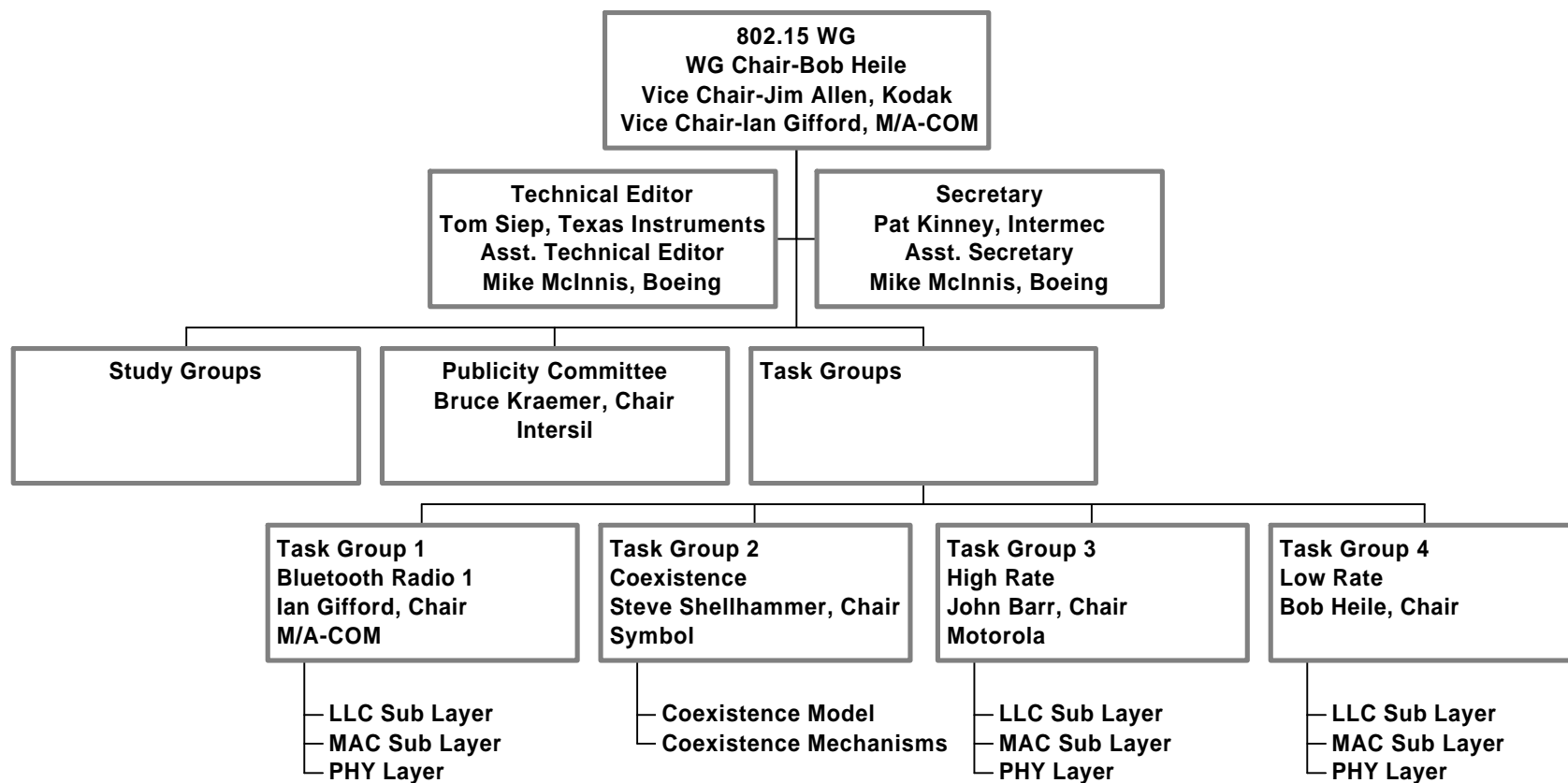


# 11th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

**March 12-14, 2001**

**Marriott Beach Resort  
Hilton Head, SC**

# 802.15 Functional Organization Chart



# Objectives of the Hilton Head Meeting

## March 12-14, 2001

### **TASK GROUP 1 OBJECTIVES FOR THIS MEETING:**

- **LB8 COMMENT RESOLUTION/SEC MOTION  
[DEPENDENT ON LB8 RESULTS]**
- **PROVIDE PROJECT PLANNING UPDATE -  
00/375r3**
- **PARALLEL PRODUCTION AND/OR REVIEW OF  
IEEE Std 802.15.1/D0.8.1**
- **PROVIDE SESSION #12/ORLANDO OBJECTIVES**

# Objectives of the Hilton Head Meeting

## March 12-14, 2001

### **TASK GROUP 2 OBJECTIVES FOR THE MEETING**

- 1. BLUETOOTH SIG COEXISTENCE WORKING GROUP LIASION REPORT**
- 2. PRESENTATION OF UPDATED COEXISTENCE MECHANISM SUBMISSIONS**
- 3. SUMMARIZE AND COMMENT ON ALL THE COEXISTENCE MECHANISM SUBMISSIONS**
- 4. VOTE TO SELECT ONE COLLOCATED COLLABORATIVE COEXISTENCE MECHANISM**
- 5. VOTE TO SELECT ONE NON-COLLOCATED COLLABORATIVE COEXISTENCE MECHANISM**
- 6. VOTE TO SELECT ONE OR MORE NON-COLLABORATIVE COEXISTENCE MECHANISMS**
- 7. DISCUSSION WITH JULIUS KNAPP FROM THE FCC**
- 8. PRESENTATION ON A PROPOSED MORE ROBUST VOICE LINK FOR BLUETOOTH**
- 9. COEXISTENCE MODEL PRESENTATIONS**

# Objectives of the Hilton Head Meeting

## March 12-14, 2001

### **TASK GROUP 3 OBJECTIVES FOR THIS MEETING:**

- 
- 1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
  - 2. VOTE ON ACCEPTANCE OF BASELINE DRAFT**
  - 3. RESOLVE OUTSTANDING ISSUES**
  - 3. IDENTIFY ISSUES REQUIRING RESOLUTION**
  - 4. REVIEW PROJECT PLAN**
  - 5. ESTABLISH WORK PLAN FOR MARCH-MAY**



# Objectives of the Hilton Head Meeting

## March 12-14, 2001

### **TASK GROUP 4 OBJECTIVES FOR THIS MEETING:**

- 
- 1. Finalize Criteria Doc**
  - 2. Establish Criteria Weighting**
  - 3. Finalize Selection Process**
  - 4. Hear top level responses to the CFP**
  - 5. Revise Project Plan as Required**

# Objectives of the Hilton Head Meeting

## March 12-14, 2001

### **802.15 PC/802.11PC OBJECTIVES FOR THIS MEETING:**

1. Complete work on General Publicity Presentation for WG Web Site
2. Finalize WLAN Forecast Documentation
3. Update Conference Calendar
4. Continue to Work on Joint 802.11 / 802.15 Publicity Activities
5. WECA update
6. OFDM Forum update

# Logistics-Meeting Graphic

The graphic below describes the weekly session of the IEEE P802.15 In graphic format.

TIMES	SUNDAY	MONDAY			TUESDAY				WEDNESDAY				THURSDAY			
07:00-07:30															Advisory Committee (10)	
07:30-08:00																
08:00-08:30		TG1 Ad Hoc(12)	TG3 Ad Hoc(120)	ExCom	TG1 (12)	TG3 MAC (50)	TG2 (60)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG4 (30)	TG2 (120)	
08:30-09:00																
09:00-09:30																
09:30-10:00																
10:00-10:30		Break			Break				Break				Break			
10:30-11:00		TG1 Ad Hoc(12)	TG3 Ad Hoc(120)	802 Opening Plena	TG1 (12)	TG3 MAC (50)	PC (40)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG4 (30)	TG3 (120)	
11:00-11:30																
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12:00-13:00	Lunch			Lunch				Lunch				Lunch				
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13:30-14:00																
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14:30-15:00																
15:00-15:30		Break			Break				Break				Break			
15:30-16:00									802.15 WG (150)				802.15 WG Closing (150)			
16:00-16:30		TG1 (12)	TG2 (60)	TG3 (60)L	TG1 (12)	TG3 PHY (50)	TG2 (60)	TG4 (30)	TG1 (12)	TG2 (60)	TG3 (60)	TG4 (30)	TG1 (12)	TG3 (120)		
16:30-17:00		11/15 Jt Chairs														
17:00-17:30																
17:30-18:30			Dinner			Dinner				Break				Dinner		
18:30-20:00	AC (10)	Tut1	TG3	TG1 (12)				FCC	Social							
20:00-21:30		Tut2						Tut4					ExCom			

TG1=Task Group 1-Bluetooth      TG2=Task Group 2-Coexistence      TG3=Task Group 3-High Rate

R2SG=Radio2 Study Group      TG4=Task Group 4-Low Rate      PC=Publicity Committee

**11:49 802.16 BWA – Marks**

(see file dot16monplen.pdf)

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



# 802.16 Participants

- **124 Members**
- **76 Potential Members**
- **94 Observers**
  
- **Chair: Roger Marks**
- **Vice Chair: Brian Kiernan**
- **Secretary: Carl Bushue (Acting)**

# IEEE 802.16 Air Interface Projects

- **Task Group 1 (802.16): 10-66 GHz**
  - Roger Marks, Chair and Editor
  - WG Letter Ballot closes tomorrow
  - Comment resolution this week
- **Task Group 3 (802.16a): 2-11 GHz, licensed**
  - Brian Kiernan, Chair
  - May have PHY draft this week; MAC work too
- **Task Group 4 (802.16b): 5-6 GHz, license-exempt**
  - Durga Satapathy, Chair
  - Met in January and February; outlines of draft

# IEEE 802.16.2

- **Task Group 2: Coexistence (10-66 GHz)**
  - Phil Whitehead, Chair
  - Passed WG Letter Ballot
  - Sponsor Ballot may open tomorrow



# IEEE 802.16 Resources

<http://WirelessMAN.org>

**11:54 802.17 RPR – Takefman**

(see file dot17monplen.pdf)



# 802.17 Resilient Packet Rings



- Web-site
  - <http://www.ieee802.org/17>
- Reflector
  - [stds-802-17@ieee.org](mailto:stds-802-17@ieee.org)
  - email [majordomo@ieee.org](mailto:majordomo@ieee.org) with body  
subscribe stds-802-17 YourEmailId
- Mike Takefman - Chair of 802.17
  - [tak@cisco.com](mailto:tak@cisco.com)
  - 613-271-3399



# RPRWG



- New 802 Project approved by IEEE Standards Board on Dec. 7, 2000 as IEEE 802.17 Resilient Packet Ring Working Group
- The Resilient Packet Ring Working Group will define a Resilient Packet Ring Access Protocol for use in Local, Metropolitan and Wide Area Networks for transfer of data packets at rates scalable to many gigabits per second.
- The project will use existing Physical Layer specifications and may develop new PHYs where appropriate.



# Goal for this Meeting

- Meetings at the Hilton
  - Starts today at 1pm sharp, eat lunch at the Hilton
- Full agenda of presentations
  - Carriers and vendors
- Vote in Officers of RPRWG
- Vote on Requirements / Objectives
- Plan the May meeting



# Interim Meeting



- Co-locating with .11/.15/.16
- May 14-18, 2001 Orlando, FLA
- Radisson Hotel opposite Universal Studios
  - Exact number of days TDB

**11:58 Tutorials, Meeting Arrangements**

shuttle service will be available starting tomorrow between Marriott and Hilton.

**12:00 Adjourn**

5

The meeting was adjourned at 12:00 noon.

Respectfully Submitted,  
Howard Frazier  
Recording Secretary

10