

56th Session of meetings of IEEE P802.11

- **Wireless Local Area Networks
Tentative Agenda**

- Subject to changes by committee
- **September 13-17, 1999**
 - **Santa Rosa, CA**
- **The session starts on Monday, September
13, 8:30**

Objectives for this Session

- (To resolve comments from Sponsor Ballot for TGa and TGb, if any) No business available
- Respond to NPRM/liaise with Home-RF
- Work on TGd matters (Regulatory domains)
- Work on the 802.11 Enhancement Study Group (PAR-5 Criteria)
- Liaise with 802.15 regarding co-existence

Rough Graphic Outline

	Monday	Tuesday	Wednesday		Thursday	Friday
	Large Room	Large Room	Room 1	Large Room	Large Room	Large Room
8:30 - 10:00	Full WG	SG Enh	a-h Reg	TGd	SG Enh	Full WG
10:30 - 12:00	a-h Reg Home-RF	SG Enh	a-h Reg	SG Enh	TGd	
13:00 - 15:00	a-h Reg	TGd		Joint 11/15	SG Enh DSRC	
15:30 - 17:30	TGd	TGd		Full WG	a-h Reg	
18:30 - 20:30		Bluetooth Tutorial		17:00 - ?? Social	a-h Reg	

Agenda, Monday

- 1 Opening of session 8:30 h
 - 1.0 Secretary
 - 1.1 Roll call
 - 1.2 Voting rights
 - 1.3 Attendance list, Registration
 - 1.4 Logistics (breaks, lunch, copying, document distribution)
 - 1.5 IEEE Patent Policy

Agenda, Monday, 2

- 1.6 Individual representation
- 1.7 Anti-Trust laws
- 1.8 Copyrights
- 1.9 Press relations
- 1.10 Other announcements
- 2 Approval of the minutes of previous meetings
- 2.1 Montreal meeting 11-99/151
(quorum required)
- 2.2 Matters arising from the minutes

Agenda, Monday, 3

- 3 Reports
 - 3.1 of the Sponsor ballots
 - 3.2 of July ExCom meeting
 - 3.3 of the Comment res meeting
- 4 Review of contributions
- 5 Adoption of the agenda 11-99/180
- To approve the agenda as modified

Agenda, Monday, 4

- 6 Unfinished Business
 - 6.1 TGd
 - 6.2 Study Group Enhanced 802.11
 - 6.3 NPRM for Spreading Rule Changes
 - 6.4

Agenda, Monday, 5

- 7 New Business
 - 7.1 Petition for membership extension
Amundsen and Poncini
 - 7.2 RFID
 - 7.3 ITU-R representation
- 8 Adjourn for subgroups
- Refer to rough graphic outline

Joint 802.11-802.15 meeting

- 1. Opening 13:00 h
 - 1.1 Roll call
 - 1.2 Document list update
 - 1.3 Agenda update
 - 1.4 Announcements
- 2. Old business
 - 2.1 Liaison officers
 - 2.2 Review 802.15 Call for Proposals/Participation submissions
 - 2.3 Review Joint Regulatory activities
 - 2.3.1 ET Docket 99-149 NPRM Amendment of Part 15 rules
 - 2.3.2 RF Lighting
 - 2.4 P802.15 Hosted Venue choices

Joint 802.11-802.15 meeting, 2

- 3. New Business
 - 3.1 802.11 new study group Petrick
 - 3.2 802.15 new study group on co-existence
 - 3.3 RFID devices
 - 3.4 Next meeting
- 4. Closure

Agenda, Wednesday, 1

- 9 Opening 15:30 h
 - 9.1 Roll call
 - 9.2 Document list update
 - 9.3 Agenda update
 - 9.4 Announcements

Agenda, Wednesday, 2

- 10 Old Business
 - 10.1 TGd
 - 10.2 Study Group Enhanced 802.11
 - 10.3 Regulations
 - 10.4
- 11 New Business
- 13 Adjourn for Social & subgroups 16:45

Agenda, Friday, 1

- 14 Opening 8:30 h
 - 14.1 Announcements
 - 14.2 Document list update
 - 14.3 Agenda adjustments
- 15 Reports from subgroups
 - 15.1 TGd
 - 15.2 Study Group enhanced 802.11
 - 15.3 Regulations
 - 15.4

Agenda, Friday, 2

- 16 Unfinished Business
 - 16.1 Output documents
 - 16.2 Next meeting
 - Objectives for next 802.11 meeting
 - Mailing dates as soon as possible, weekly uploads, as the need arises in diskette format for those that asked.
 - 16.3 Other interim meetings required

Agenda, Friday, 3

- 17 New Business
 - 17.1 Liaison with 802.15 and 802.16
- 18 Closure 11:00 h

Future Meeting Schedule

- 1999
 - Sept 13-17 - Hilton, Santa Rosa, CA, Interim (Alantro)
 - November 8-12 - Hyatt Regency, Kauai, Koloa, HI, Plenary
- 2000
 - January 10-14 - Tel Aviv, Israel, Interim (Breezecom)
 - March 6-10 - Hyatt Regency, Albuquerque, NM, Plenary
 - July 10-14 - Hyatt Regency La Jolla, San Diego, CA, Plenary
 - November 6-10 - Hyatt Regency, Tampa, FL

1. Opening (detailed)

- 1.0 Secretary
 - George Fishel
- 1.1 Roll call
 - Mention your name, and the place where you normally work
 - You may mention the name of your company
 - And other important things you always wanted to say but did not dare to

1.2 Voting rights

- 1.2 Voting rights
 - Participation in the debates, moving and seconding is only permitted by voting members, in all 802.11 meetings (at all levels)
 - Chairs may permit observers to participate in debate
 - [In study groups all attendees have voting rights]
 - Voting rights can be earned by participation in 2 plenary meetings within 4 consecutive plenary meetings
 - one interim may be substituted for a plenary
 - participation is to be present in at least 75 % of all meetings in a session

1.2 Voting rights, 2

- Voting rights can be maintained by participation in 2 plenary meetings within 4 consecutive plenary meetings
 - one interim may be substituted for a plenary
- Voting members will get a token to be used at voting time
- Voting rights may be lost:
 - after failing to pay the conference fee
 - after missing two out of three consecutive letter ballots
- Current status:
 - 97 Voting members
 - 19 Nearly Voting members
 - 68 Aspirant Voting members

1.3 Attendance list, Registration

- Attendance has to be recorded for voting membership registration
- Attendance Record Book guarded by Chris Zegelin
- He/she signs for chair and / or presenter
- Hands it to the first person attending and waits to see that the person signs quickly (on his own spot) and verifies that he hands it to the person's neighbour
- That person is then responsible for the next person signing quickly (on his own spot) and verifying that he hands it to that person's neighbour
- The last person hands the book back to Chris or to the chair of the meeting

1.3 Attendance list, 2

Mon AM	Tue AM	Wed AM	Thu AM	Remark 1
F P M	F P M	F P M	F P M	
Mon PM	Tue PM	Wed PM	Thu PM	Remark 2
F P M	F P M	F P M	F	
Mon eve	Tue eve	Wed eve	Bulk E-mail No	LB1 X LB2 OK
F P M	F P M	F P M		

- - Only sign when you attend at least 90 % of the meeting for which you sign; i.e. AM or PM or Eve(ning) part of the session)
- - Sign with your initials (no cross etc). Do not underline. Circle the letter corresponding to the meeting you attended when signing (F=full 802.11, P=PHY group, M=MAC group)
- - Only sign in the box designated with the applicable day and part of the day, AM/PM/Eve
- - Never sign ahead

1.3 Attendance list, 3

- Check e-mail addresses
 - * some addresses have been struck, or have a \$-sign added to the right
 - those received complaints from the reflector
 - please strike your e-mail address if you do not use it
 - * if you use an e-mail address, please let me know
 - * if you do not disagree to receiving very long files, mark bulk e-mail with yes

1.3 Registration

- Conference fee has to be paid through the registration desk
- Failure to pay causes loss of credit for voting rights and letters to be written

1.4 Logistics (breaks, lunch, printing)

- Continental Breakfast
 - only for registered attendees
- Coffee breaks 10:15 AM and 3:15 PM
- Lunch 12:30-- 1:30 PM
- Printing: available in the office
 - After hours access: check with Vic
- Any other printers available?

1.4 Logistics (documentation)

- Dissemination of documentation in principle in electronic format,
 - a) per 802.11 network,
 - b) via flash memory card,
 - c) diskettes.
- Only 20 % of the attendees can apply for receiving documentation in paper, Stuart decides who will get paper copies, deciding point being availability to the individual of a PC notebook

1.4 Logistics (document distribution)

- Because of early distribution we need to have the submissions adhere to the rules
- Mandatory use of templates for documents
- Need to be available on network a meeting before agenda item!
- Paper copies only available in limited numbers
- To apply for distribution of paper copies, ask for a slot assignment from Stuart Kerry

1.5 IEEE Patent Policy

- If you know about patents or patent applications that are (or may be) required to implement the standards, make it known to the Working Group, so the Chair can send out letters to request the IP statements

1.5 IEEE Patent Policy

- The patent policy is set forth in clause 6 of the IEEE-SA Standards Board Bylaws
- IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either

1.5 IEEE Patent Policy

- a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or
- b) A statement that a license will be made available to all applicants without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

1.5 IEEE patent Policy

- Clause 6.3.2 of the IEEE-SA Standards Board Operations Manual
 - 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.

1.6 Individual Membership and and 1.7 Anti-Trust

- 1.6 Individual membership
 - In IEEE standards meetings, membership is by individual, hence you do not represent a company or organisation.
- 1.7 Anti-Trust laws
 - The Anti-Trust laws forbid the discussion of prices.

1.8 Copyrights

- If you know of copyrighted or proprietary material that would go in the standard as we have drafts now, please let the group know so the Chair has the opportunity to request release statements
- Standards Publication shall constitute a "work made for hire" as defined by the Copyright Act: IEEE owns the copyright of the standards publication.

1.9 Press Relations

- Find with Stuart and Al where limitation is specified

1.10 Other Announcements

- 1.10.1 8802-11:1999 is available!
- 1.10.2 WECA
- 1.10.3 802.11a and 802.11b to ISO

Back to normal thread

3.1 Report of Sponsor Ballot

INITIAL BALLOT RECIRCULATION BALLOT (if applicable)

Draft 802.11a/D5.0

Date Closed: 5/8/1999

Draft 802.11a/D6.2

Date Closed: July 28, 1999

NumberPercentageNumberPercentage

Ballots E-Mailed

92100%92100%

Ballots Returned

8693%8693%

Affirmatives

7797%7998%

Negatives

2N/A1N/A

Abstentions

78%67%Reasons for abstentions: Lack of time = 3 Lack of expertise = 3 Other = 0

3.1 Report of Sponsor Ballot

INITIAL BALLOT

RECIRCULATION BALLOT (if applicable)

Draft 802.11b/D5.0

Date Closed: 5/8/1999

Draft 802.11b/D6.1

Date Closed: July 26, 1999

Number

Percentage

Number

Percentage

Ballots E-Mailed

93

100%

92

100%

Ballots Returned

86

92%

86

93%

Affirmatives

71

89%

75

93%

Negatives

8

N/A

5

N/A

Abstentions

7

8%

6

7%

Reasons for abstentions: Lack of time = 3 Lack of expertise = 3 Other = 0

3.1 Report of Sponsor Ballot

- Vice-Chair acted as Chair during the recirculation period and submission time
- Did marvelous job
- Both projects met conditional approval requirements and are this week in RevCom and SB
- No negatives received so far
- Expect galley proofs of 802.11b this week

3.2 Report from ExCom

- 7 points on the agenda for action
 - Thanks for the support of all involved!
- 2 Information items
 - Liaison letter to Board of ETSI
 - Support to hold meeting in Twente

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Heile

Moved: To approve the submission of the letter to the FCC regarding RF lighting subject to approval by the US Activity board

Approve 11 Do Not Approve 0 Abstain 2

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Carlson

Moved: To approve the submission of comments on the Wideband FH proposal in FCC Docket 99-321, subject to approval by the US Activity board.

Approve 9 Do Not Approve 1 Abstain 2 pass

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Nikolich

Moved: To forward draft standard 802.11a to RevCom subject to compliance with the Conditional Approval Procedure.

Approve 13 Do Not Approve 0 Abstain 0 Pass

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Nikolich

Moved: To forward draft standard 802.11b to RevCom subject to compliance with the Conditional Approval Procedure.

Approve 13 Do Not Approve 0 Abstain 0

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Russell

Moved: To request the LMSC Chair to ensure that the proposed letter to the ETSI Board will be approved by the IEEE SA

Approve 11 Do Not Approve 1 Abstain 1 Pass

IEEE 802 LMSC RESOLUTION

Motion By: Hayes

Seconded By: Mollenauer

Moved: To approve the Working Group Study Group initiated by 802.11 for 802.11 enhancements with the charter to Investigate for QoS and CoS metrics, Enhanced Security mechanisms for supporting long keys, key negotiation & distribution and investigate enhancements to the authentication process with the aim to submit the related PAR(s) and 5 criteria. The goal is to approve the PAR at the March 2000 meeting.

For information, the chair is John Fakatselis.

Approve 12 Do Not Approve 0 Abstain 0

7.1 Petition for membership extension

- Keith Amundsen
- Hosted twice
 - Had to fight his management to continue commitment to host the September 98 meeting
 - still recovers cost hotel is overcharging
 - went to a period of sickness and personal problems
 - Can continue working for 802.11 starting November meeting
- participated in 12 conferences
 - March 98, May 98, (July 98), Sept 98
 - needs substitute participation March 99 and July 99

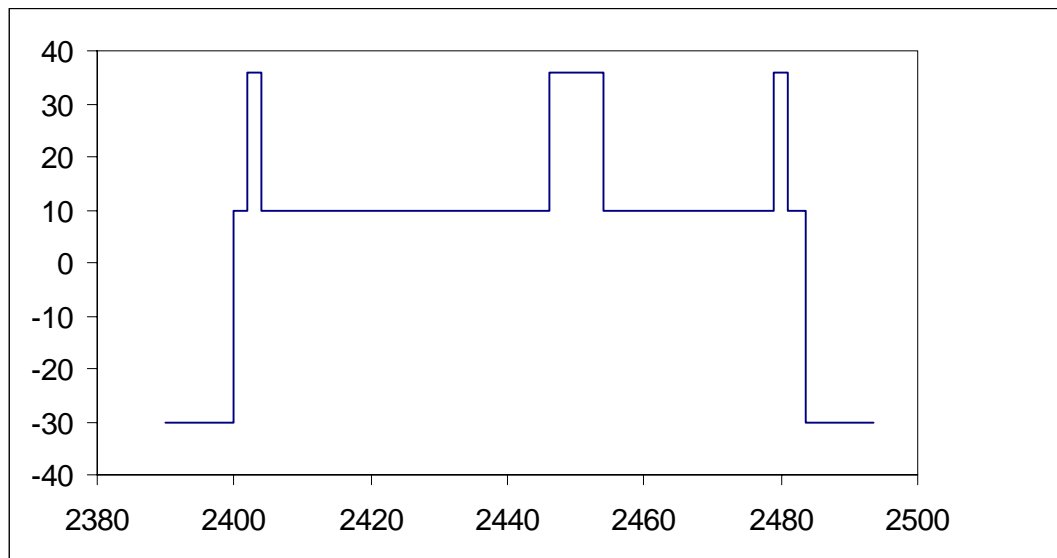
7.1 Petition for membership extension

- Victoria Poncini
 - Active member
 - Took 802.11c chair's position
 - Propogated importance of 802.11 into IATA and Boeing
 - Could not attend 802.11 due to conflicting meetings in IATA
 - went through a period of health problems
 - Participated in 6 conferences
 - May 98, Nov 98
 - Needs a substitute participation July 99

7.2 RFID

- CEPT PT SE24S
 - Project Team Spectrum Engineering 24 Short Range Devices
 - Working on compatibility study for 5W! EIRP in the 2.45 GHz band
 - Considering smaller bands for FH

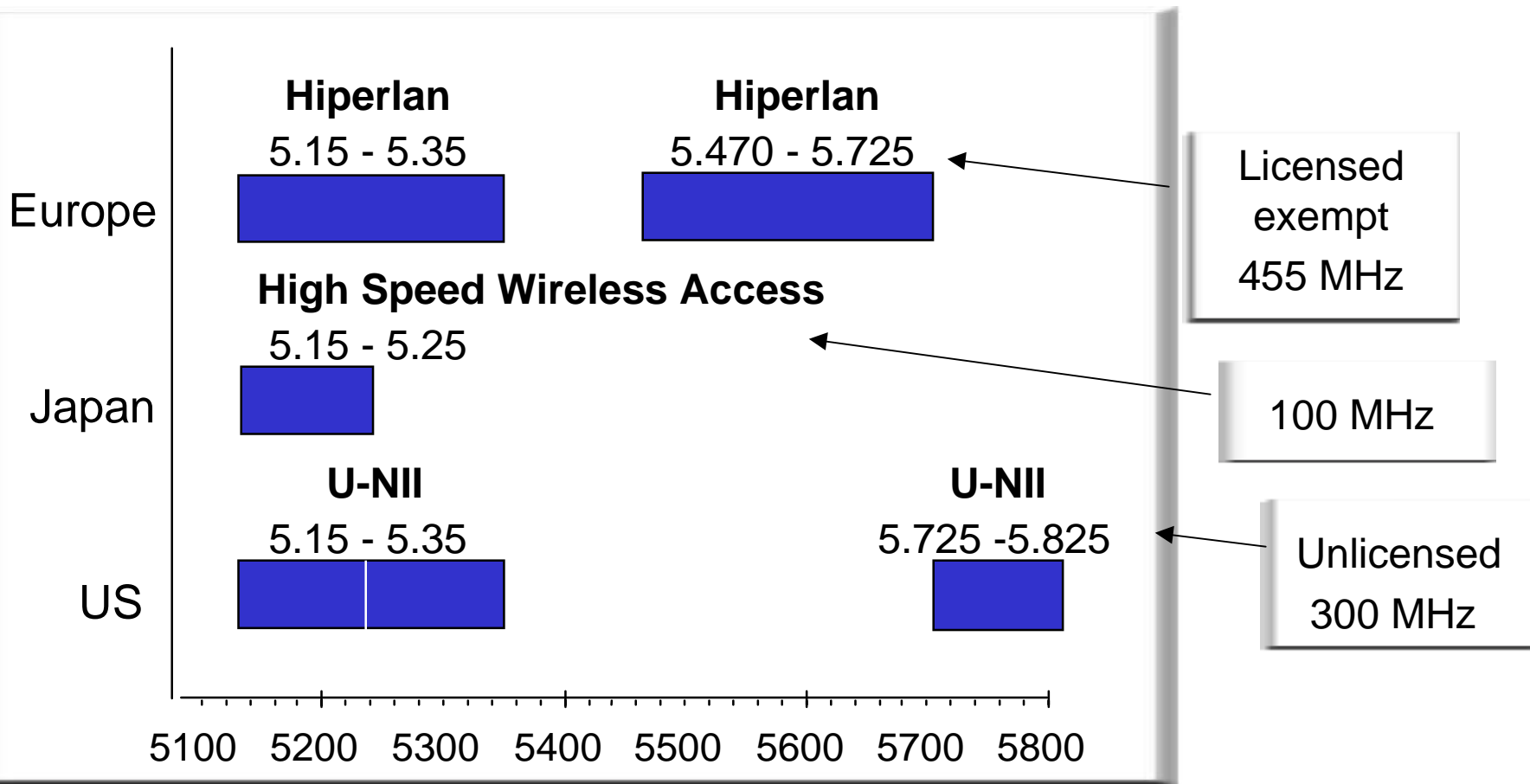
7.2 RFID 2



7.2 RFID 3

- Measurements with Secondary / Primary users planned in October 11-15 (ENG/OB or Electronic News Gathering/??)
- USA activity mentioned
- Need to request voluntary limitation to same area as in Europe?
- Liaison statement to ISO?

7.3 ITU-R representation



7.3 ITU-R representation 2

- 99/194 Presentation for Common European Position for WRC 2000 - 2002
- 99/193 Call for experts from UK-RA
- Draft ERC decision 99 NN
 - provides framework for extended regulation in the 5 GHz band
 - Decision calls for functionality like power control and dynamic frequency selection
 - is not addressed at all in the IEEE work.

7.3 ITU-R representation 3

- List of 802.11 delegates to ITU-R
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7