

December 1998 doc.: IEEE 802.11-98/408-r1

### 54th Session of meetings of IEEE P802.11

- **Wireless Local Area Networks Tentative Agenda**
  - Subject to changes by committee
  - **January 11-15, 1999**
  - **Lake Buenovista, Florida**
- **The session starts on Monday, Jan 11, 8:30**
- **Includes meetings of the WPAN Study Group**

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### Objectives for this Session

- Comment resolution and resubmit for LB of the drafts of TGa and TGb
- Comment resolution of WPAN PAR + 5Criteria and submission to ExCom
- Joint meetings with ETSI BRAN on OFDM and spectrum issues
- Teleconference with the FCC plus resulting actions

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### Rough Graphic Outline

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Full 802.11 Tgb   SG 	TGb   SG 	TGa   SG 	TGa Tga/BRAN	TGa Tgb
PM	TGb   SG 	TGa   SG 	Full 802.11 	TGb 	Full 802.11 Reports/Outp Next mtng
Eve-ning	TGa 	TGa/BRAN? 			

Legend: ..... = flexible adjournment/Start  
FCC teleconference and joint meeting with ETSI-Spectrum to be determined

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### 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 Polocy

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### Agenda, Monday, 2

- 1.6 Individual representation
- 1.7 Anti-Trust laws
- 1.8 Other announcements
- 1.9 Recognition
- 2 Approval of the minutes of previous meetings
  - 2.1 Albuquerque meeting 11-98/375 (quorum required)
  - 2.2 Matters arising from the minutes

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### Agenda, Monday, 3

- 3 Reports
  - 3.1 of the Sponsor Reconfirmation ballot
  - 3.2 of the Letter Ballot 16
  - 3.3 of the Thursday ExCom meeting
  - 3.4 financial report of the Waltham meeting
  - 3.5 of the RFID meetings in the CEPT
- 4 Review of contributions
- 5 Adoption of the agenda 11-98/408
- To approve the agenda as modified

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### Agenda, Monday, 4

- 6 Unfinished Business
  - 6.1 TGa
  - 6.2 TGb
  - 6.3 Study Group WPAN
  - 6.4 Regulatory issues (RF Lighting)
- 7 New Business
  - 7.1
- 8 Adjourn for subgroups
- Refer to rough graphic outline

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### Agenda, Wednesday, 1

- 9 Opening 13:00 h
  - 9.1 Roll call
  - 9.2 Document list update
  - 9.3 Agenda update
  - 9.4 Announcements

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### Agenda, Wednesday, 2

- 10 Old Business
  - 10.1 Study Group WPAN
  - 10.2 TGa
  - 10.3 TGb
- 11 New Business
- 13 Adjourn for subgroups

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### Agenda, Thursday, 1

- 14 Opening 13:00 h
  - 14.1 Announcements
  - 14.2 Document list update
  - 14.3 Agenda adjustments
- 15 Reports from subgroups
  - 15.1 TGa
  - 15.2 TGb
  - 15.3 Study Group WPAN

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### Agenda, Thursday, 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
- 17 New Business
- 18 Closure 17:00 h

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### Future Meeting Schedule

- 1999
  - Jan 11-15 - Lake Buena Vista, FL, Interim (Harris)
  - March 8-12 - Hyatt Regency, Town Lake, Austin, TX, Plenary
  - May 10-14 - Shinagawa? Prince Hotel, Tokyo, Japan, Interim (NTT, Clarion, NEC)
  - July 5-9 - Queen Elizabeth, Montreal, PQ
  - Sept 13-17 - Hilton, Santa Rosa, CA, Interim (Alantro)
  - November 8-12 - Hyatt Regency, Kauai, Koloa, HI, Plenary
  - 2000
    - January TBD - 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

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## 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

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## 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

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## 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:
  - 86 Voting members
  - 18 Nearly Voting members
  - 78 Aspirant Voting members

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## 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

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## 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

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## 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

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### 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

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### 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?

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### 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

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### 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

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### 1.5 IEEE Patent Policy

- The patent policy is set forth in clause 5 of the IEEE 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

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### 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

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### 1.5 IEEE patent Policy

- Clause 6.3 of the IEEE Standards 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.

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### 1.6 and 1.7 Individual and Anti-Trust

- In IEEE standards meetings, membership is by individual, hence you do not represent a company or organisation.

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### 1.8 Other announcements

- 1.8.1 Volunteers needed for Thursday evening to prepare mailing.

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### 1.8 Other announcements

- 1.8.2 Status of publication of 802.11 rev
  - Annex c, State Diagrams, is still not available
  - IEEE Editor has required the availability of Annex C in her checklist to RevCom
  - in RevCom: 1 negative vote, 2 positive subject to availability of annex c
  - found a volunteer for Updating Annex c from Eastman Kodak
  - plan to have available first week of October
  - will include editorials found causing compiler errors

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### 1.8 Other announcements

- 1.8.3 Attacks on spectrum in 5 GHz globally
  - Lower part of the band is also allocated globally to the Mobile Satellite Service for Earth- to-space links
  - Long ago, ETSI did approve the co-existence of MSS in the lower 5 GHz band based on calculation
  - Now the MSS industry is requiring regulatory agencies to reduce the RLAN allocations effectively eliminating RLAN from the 5150-5250 MHz band
  - 10 mW e.i.r.p. and AC operation (that is not on battery operated equipment)

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### 1.8 Other announcements

- 1.8.3 Attacks on spectrum in 5 GHz globally, cont'd
  - Lead player is ICO Global Communications, an INMARSAT spin-off and Globalstar, in the background
  - Main battlefield is in CEPT Project Team SE28
  - UK Radio Communications now supports the MSS claims
  - Lobbying is also taking place in Japan, US and Canada

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### 1.8 Other announcements

- 1.8.3 Attacks on spectrum in 5 GHz globally, cont'd
  - Jan Krays (Chair of ETSI BRAN) is single advocate for the RLAN industry. Please assist him by:
    - being active either directly or via the national bodies for preparing CEPT and ITU-R decisions. All CEPT members have influence on the results
    - attending the meetings off CEPT SE and its Project Team SE28 as well as the ITU-R JRG 8A/9B, WP 8D and others involved in this subject.
    - promoting the usage of the band for RLANs shared with the MSS in Japan MPT, USA-FCC and Industry Canada – these countries are (re-)considering regulations for RLANs.

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### 1.8 Other announcements

- 1.8.4 Use of MS-Office 95 applications, tally
- 1.8.5 Meeting of IEEE SAB in France
  - will also be used for a meeting of Executives of IEEE and ETSI
  - RLAN is on the agenda
- 1.8.6 Announcements from the floor?

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### 1.8 Other announcements

- 1.8.1 Volunteers needed for Thursday evening to prepare mailing.

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### 1.8 Other announcements

- 1.8.2 E-mail reflector archive available!
  - Only accessible for members
  - [Http://grouper.ieee.org/groups/11/private/index.html#reflector-archives](http://grouper.ieee.org/groups/11/private/index.html#reflector-archives)
  - 17 times accessed in December 1999

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### 1.8 Other announcements

- 1.8.3 Popularity of web material
  - 802.11 revision was downloaded over 1600 times
  - password only provided to 300 e-mail addresses
- 1.8.4 IP Statement for OFDM received from CSIRO

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### 1.8 Other announcements

- 1.8.5 Use of MS-Office 95 applications, tally
- 1.8.6 Sponsor Ballot formation for 802.11a and .11b
- 1.8.7 Announcements from the floor?

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## 2.2 Matters arising from the minutes

- On the Point of order
  - that we need one solution per application and that this looks like multiple solutions to the same par without answering the 5 questions,
  - The chair ruled that
  - the extension to the high rate HR/DSSS/FH PHY is not a second PHY and the session was not out of order

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## 2.2 Matters arising from the minutes

- 2 issues:
  - Chair should not have ruled on technical matters
  - Chair has now seen in the Tables 1 and 2 that he would have ruled differently would he have known the table then
  - The chair is ready to entertain a motion to rescind the ruling

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## 3.1 Report of the Sponsor reconfirmation Ballot

- Only two responses received voting Approve with comments
- Comments made available on the website on January 6, 99
- Comment Resolution Group met on January 8, 99 and decided the no new recinfirmation ballot is needed

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## 3.2 Report of Letter Ballot 16

- The Ballot closed on January 8, 99, 11 PM UTC
- 9 hours later, chair collected all responses and left for Orlando
- 18 hours later the results were available on the web
- Chair wished electronic ballot is available now
- Report is in doc.: 99/15

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## 3.2 Report of Letter Ballot 16 (2)

- Draft 802.11a approved by 54/19/5 or 73 %
- Draft 802.11b recirc. approved by 58/17/3 or 77 %
  - needs to be reviewed with original vote
- WPAN PAR and 5 C approved by 60/14/4 or 81 %
- Comment files are respectively 99/16, 17 and 18

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## 3.3 Report of the Thursday ExCom meeting

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**3.4 Financial report of the Waltham meeting**

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**3.5 Report of the RFID meetings in the CEPT**

- In the CEPT area, Spread Spectrum devices are limited to 100 mW EIRP
- Primary users are Electronic News Gathering (ENG) and Fixed Services
  - ENG is an analogue system
  - both have awfully low receiver levels
  - 100 mW as already a burden

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**3.5 Report of the RFID meetings in the CEPT (2)**

- RFID devices have a request for being permitted 500 mW EIRP using Spread Spectrum
  - Increases about 3 dB per meeting
  - Latest report showed 5 W (10 W) EIRP
  - Need it for power transfer to batteryless tags
- Will cause interference to our devices

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**3.5 Report of the RFID meetings in the CEPT (3)**

- Lucent Technologies and Telxon are defending our case
- Agreement reached about interference model
  - 120 dB pathloss over 60 meter was original proposal
- Primary users might be our rescue
- Still looking for more supporters

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