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**IEEE P802.11  
Wireless LANs**

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**Tentative Minutes of the IEEE P802.11**

**Full Working Group  
Plenary Meeting  
La Jolla, CA**

**6 to 11 July 1998**

**Monday, 6 July 1998**

**1.0 Opening Meeting** called to order by Vic Hayes at 15:00, Agenda of 49th session of 802.11 is in doc.:IEEE P802.11 11-98/245-r1. Al Petrick acting, secretary for George Fishel <sup>1)</sup> is present and ready to take the notes.

**Objectives for this meeting**

- 1.1 Continue the consensus process for TGa and TGb
- 1.2 Review any outstanding Sponsor ballot issues
- 1.3 Further work in the SG
- 1.4 Changes; 1) removed TGc 2) Add compliant made by Micrilor and recognition of IEEE802.11 contributors.

**1.1 Roll Call:** People in the room were invited to introduce themselves by name and company. There were 85 people in the room.

**1.2 Voting rights:**

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1.2.1 Participation in debates, moving and seconding is only permitted by voting members, in all 802.11 meetings (at all levels). The subgroup chairs may permit observers to participate in debates.

1.2.2 Voting at the working group level is by voting members only. Chair may permit observers to participate in debate. To become a voting member:

1.2.2.1 Participate in at least 2 out of 4 consecutive plenary meetings. Voting rights start at third meeting

1.2.2.2 Participation in at least 75% in meetings, in the room

- One interim may be exchanged for a plenary
- Voting members will get a token to be used at votes

1.2.2.3 All members have voting rights at task group meetings

1.2.3 Voting rights can be maintained:

1.2.3.1 By participation in 2 plenary meetings within 4 consecutive plenary meetings

1.2.3.2 One interim may be substituted for a plenary

1.2.4 Voting rights may be lost:

1.2.4.1 After failing to pay the conference fee

- After missing two out of three consecutive letter ballots

1.2.5 Current state of member status:

1.2.5.1 Voting members (86)

1.2.5.2 Aspiring voting members (22)

1.2.5.3 Nearly voting members (59)

### 1.3 Attendance List, Registration

**1.3.1 Administration:** The attendance list was circulated, Chris Zegelin supervising - 75% attendance according to the attendance list is required to qualify for participating in the meeting as a whole, so make sure to sign the book. Copies of the attendance list are handed out before the end of each meeting.

1.3.1.1 Important for administration of voting rights that the attendance book is used properly.

1.3.1.2 Sign per meeting (morning, afternoon, evening). Do not sign ahead.

1.3.1.3 Place initials. Do not cross or underline. You must attend the session after signing.

1.3.1.4 Circle the letter corresponding to the meeting you attend when signing (F=full 802.11, P=PHY, M=MAC group).

**1.3.2 Registration:** You pay full plenary costs if you attend more than ½ hour of any meetings for the week. The fee is \$300 on-site. Failure to pay causes loss of credit for voting rights.

#### 1.3.3 Check E-mail addresses in the book:

1.3.3.1 Some addresses have been struck, or have a \$-sign added to the right - those received complaints from the reflector

1.3.3.2 Please strike your e-mail address if you do not use it. If you do not disagree to receiving very long files, mark bulk e-mail with YES.

**1.4 Logistics:** Paper document distribution is done using pigeon holes. Paper distribution is only for those members not having a PC. You will find your copies and messages in the referenced location in the expanding file folders in the slot *in front of* your name. Electronic distribution is also available.

1.4.1 Conference fee to be paid through IEEE802 registration office at the hotel.

1.4.2 Copying and collection of files is managed by Cherry Tom. Al Petrick assists in pigeonhole stuffing. Cherry is also in charge of document numbers. Before a submission is presented, a document number must be assigned by Cherry and a file copy on diskette in Office 95 submitted using the 802.11 templates for record and distribution. Each submitter must provide ten (10) paper

1.4.3 Coffee breaks at 10 AM and 3 PM. Noon to 1:00 PM lunch, printing is available in the hotel 802.11 office.

1.4.4 Document distribution: The primary dissemination of documentation is electronic file distribution. However three (3) mediums will be used. They are: a) 802.11 network b) flash memory card, c) diskettes.

1.4.5 Sign in for a slot, remember the letter and number (this is for members not having electronic access. Pigeon holes are file folders with a letter id on each folder and a number on each slot in each folder are numbered slots, each of which is 'owned' by a person. Each person owns slot in front of number.

1.4.6 All files must use the IEEE802.11 templates for word documents and PowerPoint. Vic Hayes updated the template for PowerPoint files.

**1.5 IEEE Patent Policy** Vic Hayes, 802.11 chair explained the IEEE Patent Policy as per Clause 5 of the IEEE Standards By-Laws and per Clause 6.3 of the IEEE Standards Operations Manual. He specifically asked for notification from members of patents applicable to the Published standards or draft standard and that patent holders submit the requested statement.

**1.6 Individual Representation** All attendees are representing themselves as individuals and not companies and/or any special organization.

**1.7 Anti-Trust Laws** Discussion of prices are disallowed in 802.11 sessions, because of the threat of price fixing. The price fixing and discussions are governed by Anti-Trust Laws.

### 1.8 Other announcements

1.6.1 Volunteers needed for the preparation of the mailing on Friday.

**1.9 Recognition:** Vic Hayes gave certificates in appreciation for the contributions in the development of the released IEEE802.11 wireless LAN standard. The recognized include: Jim McDonald, Wim Diepstraten, Phil Belanger, Greg Ennis, Mike Trompower, Simon Black, Jan Boer, Paul Struhsaker - Al Petrick receives his certificate in Paul's behalf, Ed Geiger - Chris Zegelin receives his certificate in Ed's behalf, Naftali Chayat, Tom Baumgardner, Barry Dobbins - Greg Ennis receives his certificate in Barry's behalf, Francois Simon - Vic Hayes receives his certificate in Francois's behalf.

## 2. Approval of the minutes of previous meetings

2.1 Minutes of the Utrecht, Netherlands meeting approved 11-98/223. The document number on the server needs to be updated with correct number (98/223). The document on the server is 98/112.

**MOTION : To approve the minutes, John Fakatselis moved to approve minutes, Seconded by Johnny Zweig.**

**No discussion on this motion.**

**Motion 1 on the floor for vote.**

**MOTION 1 Passes 48/0/4**

2.2 There were NO matters rising from the minutes.

## 3. Reports

**3.1** Report of the sponsor reconfirmation ballot given by Vic Hayes. There were 90 people participating in the ballot, 69 affirmative votes, 0 negative votes, 4 abstention votes, 73 votes equal 81% returned (75% is required). LMSC re-circulation ballot on the IEEE802.11c closed on June 26, 1998. The document will be forwarded to the standards board for approval. There were 88 people eligible for the ballot group.

- Victoria Poncini would like to thank Tom Siep, Anil Sanwalka, Tom Tsoulogiannis, Darwin Engwer, Johnny Zweig, Simon Black, Henri Moelard., Maarten Hoeben, Ronald Brockmann, and especially

### 3.2 The ExCom meeting update given by Vic Hayes

- Comments on NPRM 98-42. Some discussion using information for their own company filings to the FCC.
- International Program Fee: It is used to support the secretary of ISO/IEC. The cost is \$100 per attendee.
- IPF summary and JTC1 Infrastructure, some discussion on the continuation of supporting the \$100 fee per 802 attendee for the International Program Fee.

**MOTION: To approve the support of continuing with the IPF fee at \$100 per plenary meeting per attendee. Moved by Naftali Chayat, Seconded by Chris Zegelin.**

**No discussion on the motion.**

**Motion on the floor for vote**

**Motion passes: 47/2/10**

Complaint from 802.11 member John Cafarella, (complainee) was received by the 802.11 chair, with the request to submit to the SEC. A joint informal meeting with ExCom chaired by Paul Nikolich and some of the 802.11 members was held on Sunday evening, July 5, 1998 at the Hyatt and started at 7PM. The meeting lasted until 8:30PM. After hearing the compliant, the group recommended that attending members of 802.11 to sharply formulate a resolution action and forward to the formal opening of the Monday July 6, 1998 ExCom meeting. The summary is as follows:

- 1) Review the legality of stopping and resetting the TGb vote
  - The events that took place at the May meeting were probably legal and the complainee withdraws his first request.
- 2) Investigate whether 802.11 is currently being dominated by a group.
  - Consider that
    - Each voting member can ask for a roll call vote
    - At the chairs discretion, a vote can be recalculated with a weight of one vote per company attending; the vote for a company will be cast per the simple majority for that company.
    - Greatly differing results from the two voting calculations will cause the chairman to raise the issue to the executive committee.
    - With this or similar fair test for non-dominance, the complainee withdraws his second request.

CD-ROM in November IEEE Standards Association does not get the revenue budgeted. There are plans to remedy, by withdrawing the agreement to give 802 the CD-ROM.

Student Registration fee: Some discussion whether or not to give a 50% discount, NO IPF fee, as an exception for people contributing to our work. There was a concern about an influx of students and fee increases in general.

**MOTION: To decline to offer discounts to students. Moved by Chris Zegelin, Seconded by John Cafarella**

**No discussion on the motion.**

**Motion on the floor for vote.**

**Motion 3 passes: 41/1/7**

4. **Review of Contributions:** The list of document submissions were reviewed by Cherry Tom. They include: 98/246r2, 98/246a, 98/261, 98/263, 98/264, 98/265, 98/266, 98/267, 98/268, 98/269, 98/259, 98/260.

### 5. Adoption of Agenda

Vic Hayes reviewed the agenda and proposed additions to the published agenda. Additions are:

- 6.0 Unfinished business
- 6.1 TGa
- 6.2 TGb
- 6.3 802.11c
- 6.4 802.11rev

- 6.0 Unfinished business
- 6.1 TGa
- 6.2 TGb
- 6.3 802.11c
- 6.4 802.11rev
- 6.5 Study Group WPAN

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7. **New Business**

- 7.1 NPRM

**MOTION: to approve the agenda as modified in document 11-98/245-r1, Moved by Kerry Stuart, Seconded by Jim Baker.**

No discussion on the motion.

Motion on the floor to vote.

Motion passes: 61/0/1

The Plenary *continued* with the modified agenda, next agenda item was Unfinished Business.

6 **Unfinished Business**

- 6.1 **TGa report given by Dean Kawaguchi**, the task group accepted the OFDM proposal from Lucent 98/261, achieving >75% vote at TGa.

Motion forwarded to the plenary from TGa:

**MOTION: To accept the Lucent/NTT OFDM proposal as the basis for the 5GHz in 802.11. Moved by Dean Kawaguchi, Second not needed because its coming from TGa as approved.**

Some discussion on the motion: Wi-LAN has given verbal statement to provide patent information on OFDM signalling.

No further discussion on the motion.

Motion on the floor to vote.

Motion Passes 40/0/12

TGa report concluded. Dean Kawaguchi turned over the chair position of TGa to Naftali Chayat to continue for the rest of the week, and for future meetings.

- 6.2 **TGb report given by John Fakatselis**; TGb reviewed agenda, proposals and selection criteria. Stan Reible, was appointed as the secretary for recording the minutes for the week of July 6-10,1998.
- 6.3 **TGc report given by Vic Hayes in Victoria's absence.**

Motion forwarded to the plenary from TGc by Vic Hayes:

**MOTION: To submit Draft 802.11c/D6.1 to RevCom, Moved by Wim Diepstraten, Seconded by Karl Hannestad.**

No discussion on the motion

Motion on the floor to vote.

Motion passes 49/0/1

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