

Tentative Minutes of the WPAN SG Meeting

Wireless Personal Area Network Study Group Interim Meeting

Holiday Inn Utrecht City Center
Utrecht, NL

4-6 May 1998

1.0 The meeting was called to order on May 4-8, 1998 at 10:40am in Room 227 by our cochairman Bob Heile

1.1 Roll Call: People in the room were invited to introduce themselves.

1.2 Secretary: The Chair recognized Ian Gifford as the Secretary for the Study Group Meeting.

1.3 Agenda Approval: Bob Heile presented the following agenda for approval:

Monday May 4, 1998

1. Opening of session
 - introductory comments
 - roll call
 - voting rights
 - logistics
 - other announcements
2. Approval of minutes from cambridge meeting
3. Review of Contributions
4. Adoption of agenda
5. Old business
6. New business
7. Review objectives of meeting
8. Review functional requirements document
9. Discuss requirements for a standard

Tuesday May 6, 1998

1. Review PAR process/templates
2. Review draft PAR
3. Determine next steps
4. Break into working groups for the PAR

Wednesday May 7, 1998

1. Reports by PAR working groups
2. Create SG report for afternoon plenary
3. Output Documents
4. Next meeting
 - +location/logistics
 - +objectives
5. New Business
6. Close

Note: The SG agreed to compress Thursday's tasks into the Wednesday Meeting.

Hearing no objections the motion to accept the Agenda passed by general consent.

- 2.0 Ian Gifford overviewed the April meeting minutes of the Study Group (SG). The goal of the Cambridge meeting was to assign Principle Investigators to the documents and to prepare them, formally, as IEEE 802.11 WPAN SG Submissions. The SG has created the following documents:

DOC No.	TITLE
-98/58	Wearables Standards Ad-Hoc Committee Presentation to 802.11 Committee (Robert Heile, GTE/BBN, and Ian Gifford, AMP M/A-Com), January 22, 1998
-98/94	"Wearables" Standards, Presentation to IEEE 802, ExCom (Dick Braley, Acting Chairman, "Wearables" ad-hoc Standards Committee) , March 9, 1998
-98/95	"Wearables" Standards, Presentation to IEEE 802, Standards Committee (Dick Braley, Federal Express Corporation), March 9, 1998
-98/96	A brief survey of Wearable application (Steve Case, Via), March 9, 1998
-98/97	Wireless Solutions (Pat Kinney, Intermec), March 9, 1998
-98/98	PAN feasibility: The BodyLAN (TM) Experience (Rick Larowe, GTE), March 9, 1998
-98/135	Summary Report of the IEEE 802.11 WPAN Ad-Hoc Group Meeting held at Irvine, CA, March 9th - 13th, 1998
-98/136	Tentative Minutes of the IEEE 802.11 WPAN Ad-Hoc Group Meeting held at Irvine, CA, March 9th - 13th, 1998
-98/137	Venue for WPAN Ad-Hoc Group Meeting, April 8th - 9th, 1998, Cambridge, MA.
-98/147r1	WPAN Press Release Draft (Ian Gifford, M/A-COM)
-98/159	Tentative Minutes of the WPAN Study Group Meeting (Ian Gifford, MA/COM)
-98/160	WPAN Guidelines (Ian Gifford, M/A-COM)
-98/161	Wireless Personal Area Network (WPAN) Five Criteria and 2.4GHz Coexistence Analysis (Ian Gifford, M/A-COM)
-98/162	First Draft PAR for WPAN (Rich Ditch, Motorola)
-98/163	Venue Hosted by GTE Internetworking (Ian Gifford, M/A-COM)
-98/169	WPAN SG Draft Agenda 5/4-7/98 Utrecht, NL
-98/170	WPAN SG Draft Agenda 5/19-21/98 Irving, TX USA
-98/171	Draft Glossary & Acronym List
-98/199	WPAN SG Call for Proposals for MAC/PHY (Dick Braley, Fedex)
-98/216	WPAN SG Application Summary (Pat Kinney, Intermec)
-98/217	HomeRF Overview Presentation (Stuart J. Kerry, Butterfly Communications)
-98/222	Summary Report of the IEEE 802.11 WPAN Study Group Meeting held at Utrecht, The Netherlands, May 4th - 8th, 1998
-98/228	Tentative Minutes of the IEEE 802.11 WPAN Study Group Meeting held at Utrecht, The Netherlands, May 4th - 8th, 1998
-98/229	WPAN SG Spectrum Availability Matrix (Pat Kinney, Intermec)

Source: Extracted from doctbl98-begin-May.xls, dated May 6, 1998 - Modified

- 3.0 The latest WPAN Press Release was discussed and distributed to the SG meeting attendees, via Flash Card.
- 4.0 Bob Heile overviewed up and coming May 19-21, 1998 Interim WPAN Meeting Venue:

Sheraton Grand Hotel (10 minutes from Dallas/Fort Worth Airport)
 4440 West Carpenter Freeway
 Irving, TX 75063
 +1 972-929-8400
 +1 800-345-5251

May 19th, 1998 1:00pm to 5:00pm to May 21st, 1998 8:00am to 2:00pm

- 5.0 Again, Bob Heile led the discussion on potential Liaisons from the WPAN Study Group to:

- Infrared Data Association (IrDA)
- Home Radio Frequency Working Group (HRFWG)
- ETSI Broadband Radio Access Networks (BRAN) Project
- ATM Forum Wireless ATM (WATM) Working Group
- Wireless LAN Alliance (WLANA)
- Internet Engineering Task Force (IETF)

The liaison “communication devices” would be the Draft IEEE WPAN SG Press Release and the Call For Proposal (CFP) i.e., straw MAC & PHY Layer.

The following table describes the overall tasks that the WPAN SG would need to take to achieve a standard within IEEE:

TASKS	START DATE	END DATE	STATUS
Cambridge, MA WPAN SG Meeting	4/8/98	4/9/98	Done
Call For Proposals (CFP)	4/30/98	5/19/98	In Process
Utrecht, NL 802.11 Interim Meeting	5/4/98	5/8/98	In Process
Irving, TX WPAN SG Meeting	5/19/98	5/21/98	
SUBMIT WPAN PAR		6/4/98	
La Jolla, CA 802 Plenary Meeting	7/5/98	7/10/98	
Waltham, MA 802.11 Interim Meeting	9/14/98	9/18/98	
Etc.			
First Unapproved WPAN Draft Specification		March 1999	
Draft Specification approved by 802.11 WG		September 1999	
Draft Specification approved by IEEE SAB		March 2000	

6.0 Bob Heile then progressed the specificity of the WPAN Functional Requirements. This work consumed the group until we adjourned at 6:00pm.

7.0 Dick Braley brought the meeting back to order at 8:05am. Dick provided an overview of the “Wearables” Standards activities the following headlines the discrete areas:

- Wireless Personal Area Networks
- “Wearable Computing” and Interfaces
- “Wearables” System Architectures
- Nomadcity
- Humionics

8. Joe Dvorak inquired into the actual definitions of the above terms and Dick provided a quick summary. The SG discussed the need to provide definition of terms for some of the unique WPAN terminology. **ACTION: Ian Gifford agreed to solicit definitions for a WPAN SG Glossary and Acronyms list.**

9. Joe Dvorak provided a brief overview of the January 15, 1998 draft WPAN PAR that was generated by the “Wearables” Ad Hoc Committee. **ACTION: The SG discussed the Draft PAR at length and we edited the document as well as designated Rich Ditch as the Principle Investigator.**

10. Ian Gifford provided a brief overview of the January 15, 1998 draft 5 Criteria document that was generated by the “Wearables” Ad Hoc Committee. **ACTION: The SG discussed the 5 Criteria and 2.4GHz Coexistence deliverable and we assigned Ian Gifford to be the Principle Investigator.**

11. Next Steps

WHAT	WHO	WHEN
Provide a Glossary & Acronym List for WPAN	I. Gifford	5/8/98
Setup IEEE Majordomo reflector: stds-802-wpan@majordomo.ieee.org	I. Gifford	5/11/98
-98/199 WPAN SG CFP (was -98/164)	D. Braley	5/6/98
-98/216 WPAN SG Application Summaries	P. Kinney	5/6/98
-98/217 WPAN SG Home RF, a pitch was made to the SG to overview the HRFWG and their activities	S. Kerry	5/6/98
-98/222 WPAN SG Utrecht Report Summary	I. Gifford	5/7/98
-98/228 WPAN SG Utrecht Tentative Minutes	I. Gifford	5/7/98

-98/229 WPAN SG Spectrum Availability Matrix	I. Gifford	5/11/98
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The meeting was adjourned on April 6th, 1998 at 12:00pm in Room 227 by our co-chairman Bob Heile

The Ad Hoc Group wishes to thank the 802.11 WG for their time and assistance and help. We look forward to participating in the Working Group in La Jolla, CA.

Tentative meeting schedule

Date	Month	Year	Place	Type	Location	Host
19-21	May	1998	Irving, TX	Interim Study Group only	Sheraton Grand Irving	GTE
5-10	Jul	1998	La Jolla, CA	Plenary	Hyatt Regency	
14-18	Sept	1998	Waltham, MA, tent	Interim WG		Raytheon
8-13	Nov	1998	Albuquerque, NM	Plenary	Hyatt Regency	
7-12	March	199	Austin, TX	Plenary	Hyatt Regency, Town Lake	
4-9	July	1999	Montreal, PQ	Plenary	Queen Elisabeth Hotel	
7-12	Nov	1999	Koloa, HI	Plenary	Hyatt Regency Kauai	