

November 1998

doc.: IEEE 802.11-98/354r1

52nd Session of meetings of IEEE P802.11 Wireless Personal Area Network Study Group Agenda

Subject to changes by committee

November 9, 1998

Albuquerque, NM

The session starts on Monday, Nov 9,
9:00; until 14:00

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Slide 1

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November 1998

doc.: IEEE 802.11-98/354r1

Meeting Objectives

- Discuss Atlanta Ad Hoc and Westford Interim Meetings
 - Review Call For Applications (CFA) -98/298
 - Summarize CFA and establish a baseline WPAN Application
- Candidate WPAN MAC & PHY Review Teams:
 - Team A - Review the modified 802.11 MAC & PHY PICS
 - Determine IEEE 802.11 Working Group/Individual interest
 - Team B - Review the HomeRF Specification v0.7
 - Team C - Review the Bluetooth Specification v0.9
- Summarize the (public info only) Team and Study Group's findings in a report
- The SG timeframe will be extended, via a motion, from 11/98 to 3/99 [Albuquerque to Austin]
- Prepare a modified 802.11 MAC & PHY PAR and Five Criteria for our Sponsor to review and disposition
- Start working on a Liaison "terms sheet" for adoption of :
 - HomeRF technology
 - Bluetooth technology
- Adjourn

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Slide 2

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November 1998

doc.: IEEE 802.11-98/354r1

Agenda, Monday, 1

- 1.0 Opening of session 9:00AM
 - 1.1 Secretary
 - 1.2 Roll call
 - 1.3 Logistics (breaks, lunch, copying, document distribution)
 - 1.4 Other announcements
 - 1.4.1 VH> Does ISO Label add value? SG Position?
 - 1.4.2 VH> FCC ET Docket 98-42? SG Position?
 - 1.4.3 VH> 2.4GHz Coordination for Protection & Sharing? SG Position?
 - 1.4.4 On 11/9/98 PM - N-WEST will present a 90-minute tutorial on "Broadband Wireless Access Technology and Standards"

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Slide 3

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November 1998

doc.: IEEE 802.11-98/354r1

Agenda, Monday, 2

- 2.0 Approval of the Minutes
 - 2.1 Westford, MA -98/291r2
 - 2.2 Atlanta, GA -98/350
 - 2.3 Matters arising from the minutes
- 3.0 Reports
 - 3.1 ExCom Report -98/xxx
 - 3.2 Liaison Report -98/xxx
- 4.0 Review of contributions
 - 4.1 Kodak CFA -98/352
- 5.0 Adoption of Agenda -98/xxx
- 6.0 Break for Full Working Group Session

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Slide 4

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November 1998

doc.: IEEE 802.11-98/354r1

Other Announcements: Does "ISO" Label Add Value?

- 1.4.1 Do we have a position?
 - Our WPAN SG PAR states...
 - 10. International Harmonization
 - Is this standard planned for adoption by another international organization?
 - [Yes] { Yes/No/?? if you don't know at this time }
 - If Yes: Which International Organization [ISO/IEC JTC1/SC6]
- *"The benefit is very real mostly in Eur and Asia where iso has a lot of prestige. the perspective of having euro-standards (etsi) covering w-lans in parallel with 802.11 makes getting the iso label even more imporant. not going for iso will basically sabotage our competitive position and our acceptance vis a vis to curent and future etsi standards. let's not forget that ieee 802.3 is also iso 8802.3 and receiving the iso no was considered by 802.3 as being a major success."* Michael Rothenburg, BreezeCom, 11/4/98
- <http://www.iso.ch/>

Tentative agenda WPAN SG, Nov 98

Slide 5

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November 1998

doc.: IEEE 802.11-98/354r1

Other Announcements: RF Lighting Devices ET Docket No. 98-42

- 1.4.2 Do we have a position?
 - **Action:** Amendment of Part 18 of the Commission's Rules to Update Regulations for RF Lighting Devices
 - **Issue:** Compact Fluorescent Lamps (CFL) vs. new Electrodeless Fluorescent Lamp (EFL) developed by GE that operates between 2.2 and 2.8 MHz
- *"New microwave lighting devices operating in the 2450 MHz ISM band should be required to meet the same out-of-band emissions requirements as do other intentional and unintentional radiator digital devices."* 802 Reply Comments
- <http://www.fcc.gov/oet/dockets/et98-42/>

Tentative agenda WPAN SG, Nov 98

Slide 6

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November 1998

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Other Announcements: 2.4GHz Coordination - Protection?

- 1.4.3 Do we have a position?
- *“From members of my working group, I understand that you all participate in the Bluetooth effort. From the same members, I understand that you have received an e-mail explaining that the Lighting industry in the USA are planning to use the band for lighting and that the FCC is on the brink of ruling to permit it. It appears that they would heavily interfere with our devices and it would be worthwhile to ask the FCC to delay the ruling to permit us to communicate with the Lighting industry to find a method to co-exist.”* Vic Hayes, Chair & LU, 11/3/98

Tentative agenda WPAN SG, Nov 98

Slide 7

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November 1998

doc.: IEEE 802.11-98/354r1

Other Announcements: 2.4GHz Coordination - Sharing?

- 1.4.3 (cont.) Do we have a position?
- *“For users in the same band and in the same geographic are, it may be a wise thing to coordinate the use of the band. We could talk about taking measures that would prevent that devices from the two types of networking would not make communications of each impossible.”* Vic Hayes, Chair & LU, 11/3/98

Tentative agenda WPAN SG, Nov 98

Slide 8

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November 1998		doc.: IEEE 802.11-98/354r1				
Albuquerque, NM 11/9-13/98						
Rough Graphic Outline						
	Monday	Tuesday	Wednesday	Thursday	Friday	
AM	Exec !TGa!SG Comm. ! ! ! !	TGb ! SG ! !	TGb ! SG ! !	TGb ! SG ! !	802 Plenary	
PM	802P1!TGb!SG Full 802.11 TGa	SG TGa ! SG	Full 802.11 TGa ! SG	Tga ! SG Full 802.11 Reports/Outp Next mtng		
Eve- ning	Tutorial Wireless Broadband Social Event	Exec. Mng Comm. Prep.		
Legend: = flexible adjournment/Start						
Tentative agenda WPAN SG, Nov 98		Slide 9		Ian Gifford, M/A-COM		

November 1998		doc.: IEEE 802.11-98/354r1	
Agenda, Monday, 3			
<ul style="list-style-type: none"> • 7.0 Review 82987S-Kraemer-CFA-Summary doc.: IEEE 802.11-98/298 • 8.0 Review the 802.11 MAC PICS <ul style="list-style-type: none"> – 8.1 Examine the highlighted areas that need modifications through submissions or technical findings. This will depend on the availability of the data. <ul style="list-style-type: none"> – 8.1.1 Level 1 - Color code deletions vs. modifications <ul style="list-style-type: none"> • 8.1.2 Level 2 - Benefits to WPAN Devices • 8.1.3 Level 3 - Impact to standards compliant 802.11 Devices – 8.2 Prepare a draft submission for the Tuesday November 10th meeting that summarizes our MAC findings and our recommendations to move forward. – 9.0 Review the 802.11 FH PHY PICS – 9.1 Determine what classes of devices the WPAN applications require. – 9.2 Review the technical trade-offs as it relates to existing 802.11 FH devices. – 9.3 Identify new PHY parameters for these new WPAN devices. – 9.4 Prepare a draft submission for the Tuesday November 10th meeting that summarizes our findings and our recommendations to move forward on a new WPAN PHY PICS. – 10.0 Continue to modify the SG PAR based on our findings in 8.0 & 9.0 above for resubmission to our Sponsor the 802.11 WG in the Jan/Feb 1999 timeframe. 			
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November 1998

doc.: IEEE 802.11-98/354r1

Agenda, Tuesday, 1

- 11.0 Call to order at 8:30a
- 12.0 In the morning finalize IEEE 802.11 MAC & PHY Layer Review from the day before
- 13.0 Break for Lunch
- 14.0 In the afternoon present the MAC (& PHY) PICS Table:
 - 14.1.1 Level 1 - Color code deletions vs. modifications
 - 14.1.2 Level 2 - Benefits to WPAN Devices
- 15.0 During the presentations we should capture the comments to Level 1&2 to fill-in “Level 3 - Impact to standards compliant 802.11 Devices”
- 16.0 Adjourn 5:00pm

Tentative agenda WPAN SG, Nov 98

Slide 11

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November 1998

doc.: IEEE 802.11-98/354r1

Agenda, Wednesday, 1

- 17.0 Break into three (3) Teams to review and prepare a draft submission on their candidate WPAN MAC & PHY:
 - 17.1 Team A - Review the modified 802.11 MAC & PHY PICS
 - 17.2 Team B - Review the HomeRF Specification v0.7
 - 17.3 Team C - Review the Bluetooth Specification v0.9
- 18.0 The issues are forward PAR based on an Industry standard(s) e.g., HomeRF (SWAP) or Bluetooth and/or forward a PAR based on a “modified” 802.11 MAC & PHY extension.
- 19.0 Adjourn

Tentative agenda WPAN SG, Nov 98

Slide 12

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Agenda, Thursday, 1 (cont.)

- 20.0 Break into three (3) Teams to review and prepare a draft submission on their candidate WPAN MAC & PHY:
 - 20.1 Team A - Review the modified 802.11 MAC & PHY PICS
 - 20.2 Team B - Review the HomeRF Specification v0.7
 - 20.3 Team C - Review the Bluetooth Specification v0.9
- 21.0 Start working on a Liaison “terms sheet” for adoption of:
 - HomeRF technology
 - Bluetooth technology.
- 22.0 Adjourn

IEEE 802.11 Meeting Schedule

- 1998
 - November 9-13 - Hyatt Regency , Albuquerque, NM, Plenary
- 1999
 - Jan 11-15 - Grosvenor Resort, Lake Buena Vista, FL, Interim (Harris)
 - **DEADLINE November 15th, 1998!**
 - March 8-12 - Hyatt Regency, Town Lake, Austin, TX, Plenary
 - May TBD - Japan?, Interim (Clarion)
 - July 5-9 - Queen Elizabeth, Montreal, PQ, Canada, Plenary
 - Sept TBD - Israel?, Interim (BreezeCom)
 - November 8-12 - Hyatt Regency Kauai, Koloa, HI, Plenary

November 1998

doc.: IEEE 802.11-98/354r1

Acronym's & Glossary

- IEEE (Institute of Electrical and Electronics Engineers, Inc.)
- MAC (Medium Access Control) Layer
- PHY (Physical) Layer
- SG (Study Group)
- WG (Working Group)
- WPAN (Wireless Personal Area Networking)
- Bluetooth (Bluetooth Special Interest Group is the codename for a technology specification for small form factor, low-cost, short range radio links between mobile PCs, mobile phones and other portable devices.)
- HomeRF (The HRFWG plans to publish the SWAP specification by fall of 1998 and companies may begin product development shortly thereafter.)

Tentative agenda WPAN SG, Nov 98

Slide 15

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November 1998

doc.: IEEE 802.11-98/354r1

Archive, Mailing List, URLs

- Archives
 - <ftp://ftp.flexipc.com/wearablesgroup/>
 - <http://grouper.ieee.org/groups/802/11/index.html>
- Mailing List
 - stds-802-wpan@majordomo.ieee.org
- Bluetooth Special Interest Group
 - <http://www.bluetooth.com/>
- Home RF Working Group
 - <http://www.homerf.org/>

To add your name to IEEE mailing list please send an e-mail to Ian Gifford giffordi@amp.com

Tentative agenda WPAN SG, Nov 98

Slide 16

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