

# Wireless Personal Area Network Study Group

802.11 Working Group  
Incoming Report  
November 9, 1998

## WPAN SG Summary

- WPAN SG Chartered from 7/98 to 11/98
  - Westford, MA Interim Meeting, 9/14-16/98
  - Atlanta, GA Ad Hoc Meeting, 10/26/98
- The WPAN SG needs more study time to evaluate the Liaisons (HomeRF & Bluetooth) and IEEE 802.11
- The SG timeframe will be extended, via a motion, from 11/98 to 3/99 [Albuquerque to Austin]
- We plan on submitting a PAR & 5C after the Orlando Interim ~2/99 for the 3/99 Plenary

November 1998

doc.: IEEE 802.11-98/357

## Westford Accomplishments

- ~15 Attendees
- Reviewed responses to the CFA [-8/288] with Full WG
  - Engaged in discussion to determine applicability of existing 802.11 MAC to WPAN
  - Completed a summary matrix [-8/298]
- Liaison Updates
  - HomeRF Working Group -98/299
  - Bluetooth Special Interest Group -98/300

Submission

Slide 3

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## Westford Accomplishments (cont.)

- Analyzed the MAC & FH PICS for suitability to WPAN applications
  - -8/322 802.11 PICS vs WPAN requirement
  - -8/323 802.11 Terminology related to WPAN
  - FH PHY PICS review
- Identified potential areas for review
  - Concentrated on the impact to power consumption, compatibility & complexity

Submission

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## Atlanta Accomplishments

- ~15 Attendees
- Again, reviewed the Call for Applications (CFA)
  - 98/294 CFA 1 - Fedex CFA (D. Braley) September 15, 1998
  - 98/295 CFA 2 - Symbol CFA (S. Shellhammer, Symbol), September 15, 1998
  - 98/296 CFA 3 - PED CFA (T. Blakadar) September 15, 1998
  - 98/297 CFA 4 - TI CFA, (H. Chaya, TI) September 15, 1998
  - 98/352 CFA 5 - Kodak CFA (A. Heberling, Kodak) October 26, 1998
- Again, reviewed the MAC & FHSS PICS
- We received a Liaison from Bluetooth

Submission

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## Albuquerque 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
- Prepare a modified WPAN 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

Submission

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## Albuquerque Objectives (cont.)

- Clarify & prioritize the CFA summary matrix
  - Finalize the review of the MAC & FH PICS
- Identify the key points in the 802.11 MAC that cause difficulties to WPANs
  - The goal of this activity is to recommend to the 802.11 WG in November to either:
    - Revise the existing MAC, or...
    - Create a new MAC
- Again, the SG timeframe will be extended, via a motion, from 11/98 to 3/99 [Albuquerque to Austin]

## Albuquerque, NM 11/9-13/98

### Rough Graphic Outline

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Exec !Tga!SG Comm ! ! !	! SG Tgb ! !	! SG Tgb ! !	! SC Tgb ! !	802 Plenary
PM	802P1!Tgb!SG Full 802.11 Tga	SG	Full 802.11 ! SG Tga ! !	Tga ! SG Full 802.11 Reports/Outp Next mtng	
Eve-ning	Tutorial Wireless Broadband		Social Event	Exec.  Ming Comm.  Prep.	

Legend: ..... = flexible adjournment/Start