

Wireless Personal Area Networking A Study Group Report

September 18, 1998
Westford, Massachusetts

Objectives for this Session

- Review the results of the Call For Applications - 98/288
 - Bluetooth Special Interest Group Pitch -98/300
 - Tentative HomeRF Working Group Pitch -98/299
- Continue the discussion on the 802.11 MAC Layer
 - “Summary of La Jolla MAC Layer Discussion” Bruce Kraemer, Harris -98/298
- Further the work of the SG and plan for Albuquerque

Accomplishments

- 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
- Continued “La Jolla” MAC Layer discussion in Plenary

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 modification
 - Concentrated on the impact to power consumption, compatibility & complexity
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Future Plans

- Clarify & prioritize the CFA summary matrix
 - Review 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

Future Plans (Cont.)

- Submit a modified PAR to the November 802.11 Plenary for approval
 - Agree on the direction of the WPAN SG
 - Either form a TG within 802.11, or
 - A new WG within 802
 - If the PAR is approved by the 802.11 Plenary, then forward it to ExCom for approval at the March 1999 Plenary

Future Meeting Schedule

- 1998
 - October Ad-hoc meeting concurrent with Bluetooth Developers Conference in Atlanta (Oct 26-29)
 - November 9-13 - Hyatt Regency, Albuquerque, NM, Plenary
- 1999
 - Jan 11-15 - Grosevenor Resort, Lake Buena Vista, FL, Interim (Harris)
 - March 8-12 - Hyatt Regency, Town Lake, Austin, TX, Plenary
 - May TBD - Japan?, Interim (Clarion)
 - July 5-9 - Queen Elizabeth, Montreal, PQ
 - Sept TBD - Israel?, Interim (BreezeCom)
 - November 8-12 - Hyatt Regency Kauai, Koloa, HI

Archive Mailing List

- Archive
 - <ftp://ftp.flexipc.com/wearablesgroup/>
 - <http://grouper.ieee.org>
- Mailing List
 - stds-802-wpan@majordomo.ieee.org