

# Wireless Personal Area Networking A Study Group Report

November 11, 1998

Albuquerque, NM

## Agenda

- WPAN Study Group Status
- Albuquerque Summary
- Motions:
  - **Motion 1** - WG approval of SG Direction
  - **Motion 2** - SG wants extend the WPAN SG from Albuquerque to Austin
  - **Motion 3** - SG Recommends that the WG investigate coexistence with other Wireless Network Systems in the 2.4GHz band
- Liaisons Contacts

November 1998

doc.: IEEE 802.11-98/357

## WPAN Study Group Background

- Submitted a Motion for a PAR & 5C approval in LaJolla Plenary 7/98
- During the Plenary Our Sponsor postponed our Motion due to lack of detail
- Since LaJolla we have had significant support from 802.11
- During this session we want to report progress and receive comments from 802.11

Submission

Slide 3

Dick Braley, FedEx

November 1998

doc.: IEEE 802.11-98/357

## WPAN Application Feature List

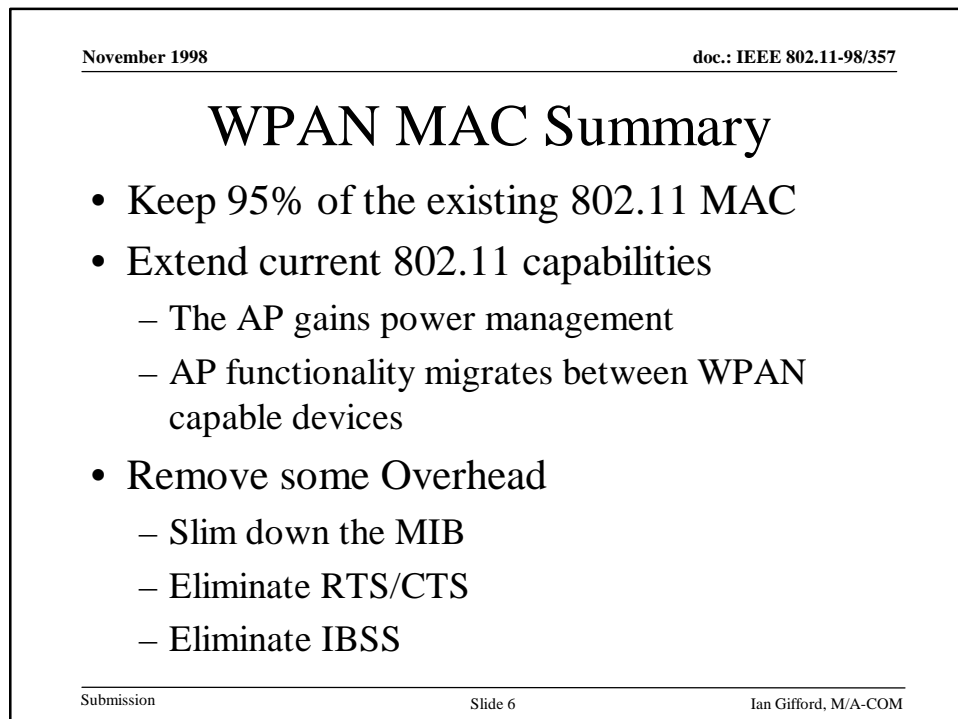
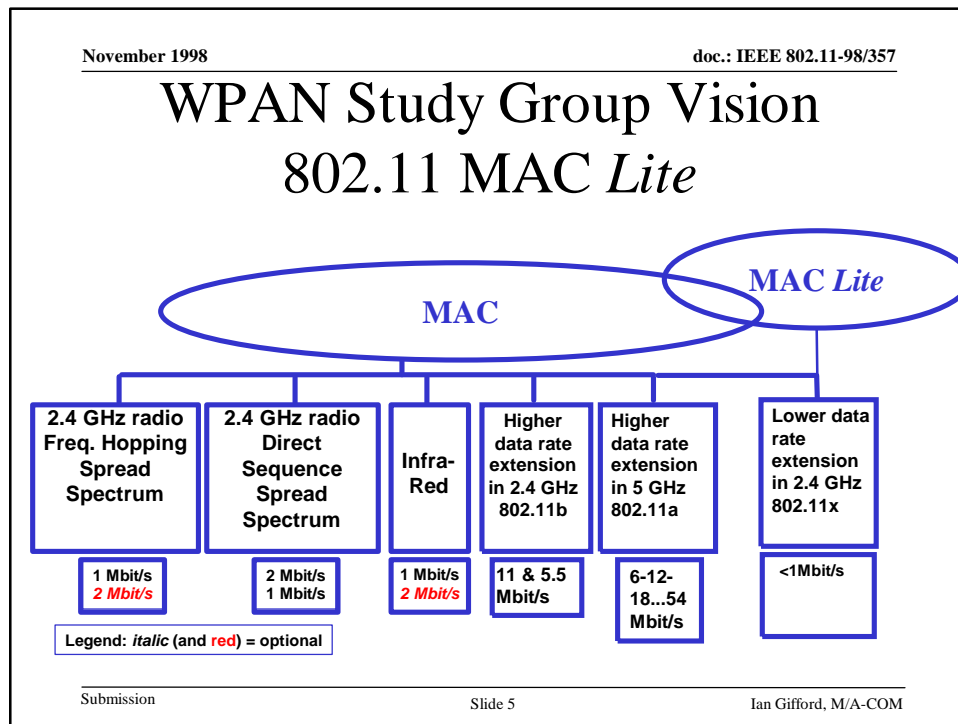
### Priority

Consensus	High	Low
Strong	low cost low power small size packet data $\leq 1$ Mbps range $\leq 10$ m active devices $\leq 10$ manual auth/auto attach coexistence with 802.11	packet + isochronous encryption mobility $\leq 10$ mph gateway native IP
Weak	topology active devices 10 - 128 coexisting PANs 4-30	inter-pan connectivity

Submission

Slide 4

Ian Gifford, M/A-COM



## Background for Motion 1

- The SG received inputs from 802.11 experts on the standard to provide information on a method on deriving an 802.11 MAC *Lite*:
  - 98/322r2 “MAC PICS vs. WPAN Requirements”
  - 98/323 “802.11 Terminology related to WPAN”
  - 98/324 “PHY PICS vs. WPAN Requirements”
- Strawpoll Nov10, 16/1/7

## Motion 1: On behalf of the SG, I:

- Move to have the 802.11 Working Group endorse the WPAN SG’s direction to create an 802.11 MAC *Lite* & corresponding PHY Layer(s) based on a derivative of the 802.11 MAC Layer.
- SG Motion: Nov11, Ian/Ken 9/0/1, Motion Passes

## Motion 2: On behalf of the SG, I:

- Move to extend the timeframe of the Wireless PAN Study Group under 802.11 to ensure continuity and submit the PAR to our Sponsor at its Jan99 Interim Meeting
- Chair: Dick Braley
  - Vice Chair: Bob Heile
  - Secretary/Tech Editor: Ian Gifford

Motion: Nov11, Ian/Jim Z., 11/0/0 motion

Submission ~~passes~~

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Ian Gifford, M/A-COM

## Background for Motion 3

- This motion is a result of the Study Group's desire to have coexistence with 802.11 devices and we feel it would be prudent for 802.11 to investigate coexistence with other Wireless Network Systems in the 2.4GHz band

Submission

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Ian Gifford, M/A-COM

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## Motion 3: On behalf of the SG, I:

- Move to recommend that the 802.11 Working Group investigate the need for coexistence with other Wireless Networking Systems in the 2.4GHz band

Motion: Nov11 Ian/Jim, 9/1/3

Submission

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## 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](mailto: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](mailto:giffordi@amp.com)

Submission

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## Liaison Contact Info

### Bluetooth SIG

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Submission

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## IEEE 802.11 Meeting Schedule

- 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

Submission

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Ian Gifford, M/A-COM