

November 1998

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# Wireless Personal Area Network A Study Group Report #2

November 11, 1998  
Albuquerque, NM

Submission

Slide 1

Ian Gifford, M/A-COM

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## Agenda

- WPAN Study Group Status
- 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

Submission

Slide 2

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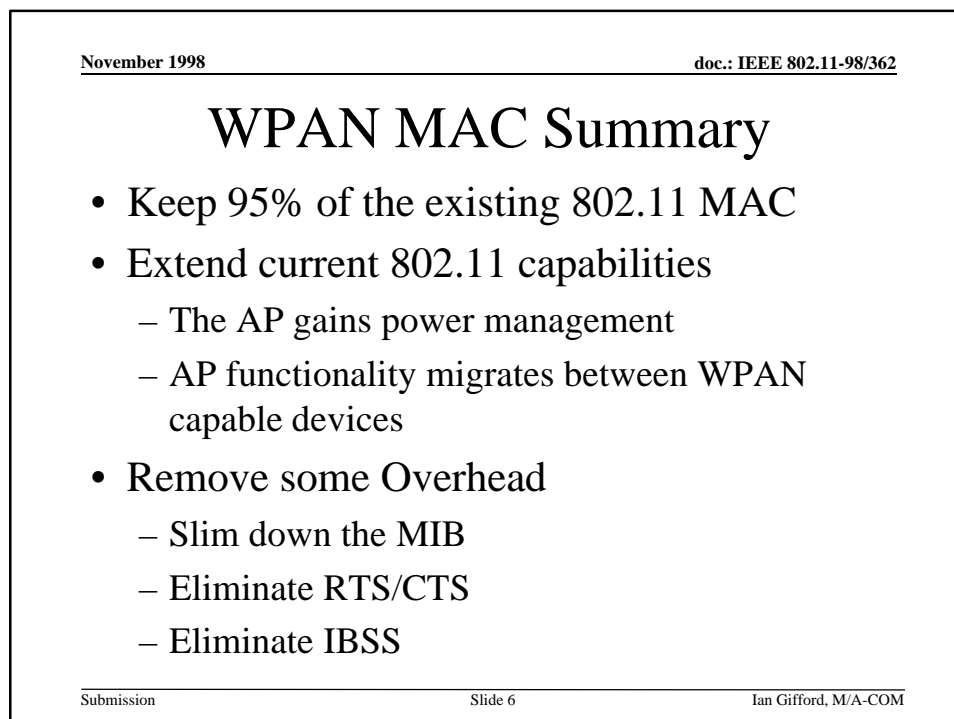
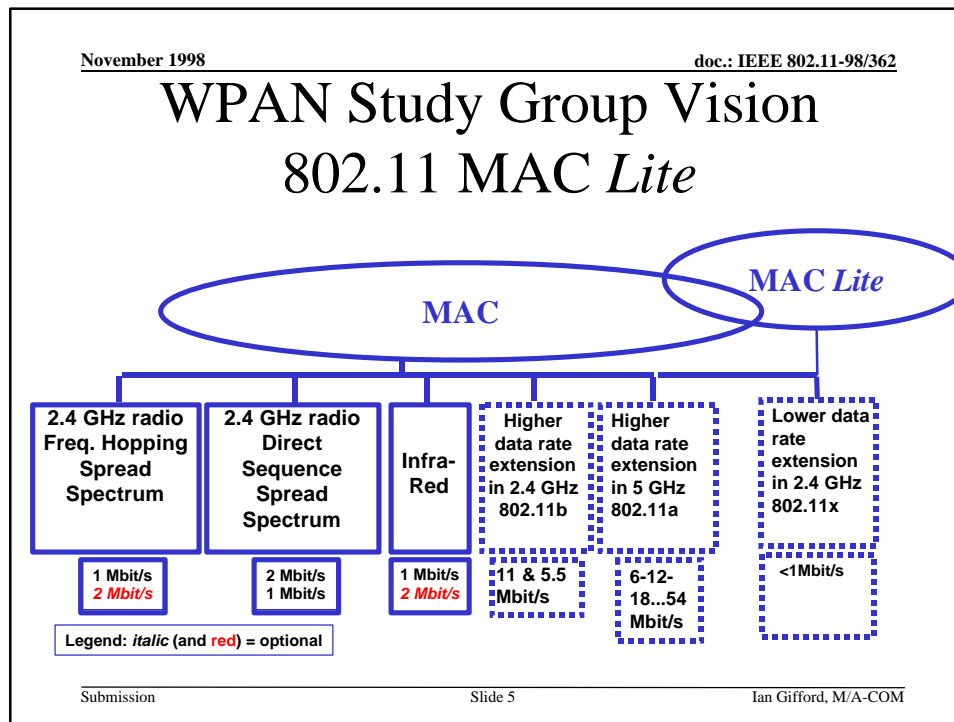
## WPAN Study Group Background

- 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

## WPAN Application Feature List

### Priority

Consensus	High	Low
Strong	low cost	packet + isochronous
	<b>-98/353 (Bruce Kraemer, Harris)</b> <b>83537S_WPAN-Attribute-Requirements.PPT</b>	
	range $\leq$ 10m active devices $\leq$ 10 manual auth/auto attach coexistence with 802.11	native IP
Weak	topology active devices 10 - 128 coexisting PANs 4-30	inter-pan connectivity



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## 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”
- .11 Strawpoll Nov10, 16/1/7

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## 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 **interoperable** derivatives of the 802.11 MAC & **PHY** Layer.
- SG Motion: Nov11, Ian/Ken 9/0/1, Pass
- WG Motion: Nov11, Tim/Bruce 10/17/11 pass

Note: Friendly Amendments are in **red**

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

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

SG Motion: Nov11, Ian/Jim Z., 11/0/0 pass

WG Motion: Nov11, Ian/BobH. 34/0/1 pass

Note: Friendly Amendments are in **red**

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## 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

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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
- SG Motion: Nov11 Ian/Jim, 9/1/3
- WG Motion: Nov11, John/Bruce 31/2/5

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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)

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