

March 1999

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# Wireless Personal Area Network Study Group

Working Group Report  
Wednesday, March 10, 1999

Submission

Slide 1

Ian Gifford, M/A-COM

March 1999

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## Objectives for this Session

- Introduction & Backgrounder
- Comment resolution of WPAN PAR - 98/162r8 & Five Criteria -98/161r5 and submission to ExCom and NesCom
- WPAN Leadership Discussion
- Liaison Updates and Future Direction

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Robert F. Heile, GTE

March 1999

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## Draft Cover Letter/PAR Edits

The WPAN Study Group respectfully submits, for approval, Rev 9 of the PAR and Rev 5 of the 5 Criteria for Wireless Personal Area Networks and recommends the formation of a separate Working Group under 802 that would include all PAN-related standards activity.

The motivation to create a Working Group is to independently consider technologically acceptable approaches that have broad market appeal. We believe this is more efficiently and effectively done as a peer of 802.11 rather than as a Task Group.

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## Draft Cover Letter/PAR Edits

Since coexistence and effective use of a shared medium is so critical to success, the WPAN Study Group suggests that the new WPAN Working Group keep very close ties with 802.11 including joint interactive meetings whenever possible.

The decision to recommend the formation of a Working Group rather than a Task Group under 802.11 required the Study Group to modify Rev8 of the WPAN PAR in the following ways:

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## Par Edits

- **ITEM:** Name of WG: Change from ‘WPAN Study Group’ to ‘Sponsor: IEEE 802.11 WG for WLAN, Proposed Working Group: IEEE 802.xx WG for Wireless Personal Area Networks’  
Reason: greater clarity.
- **ITEM:** Change Name of Reporter and supporting info from Vic Hayes To Bob Heile. Reason: reflects change of recommendation from TG to WG.

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## Par Edits (continued)

- **ITEM:** Name of WG Chair. Add Vic Hayes. Reason: no longer same as Reporter.
- **ITEM 5b:** Change from Supplement to New Standard. Reason: reflects change of recommendation from TG to WG.
- **ITEM 5c:** Rev 7 Change from Trial Use to Full Use. Reason: clerical error

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## Par Edits (continued)

**ITEM 6: Change Scope from** : “[To define derivative versions of the 802.11 PHY and MAC specifications for wireless connectivity with fixed, portable and moving devices within or entering a Personal Operating Space (POS). A goal of the WPAN Group will be to achieve a level of interoperability (see –99/5) sufficient to transfer data between a WPAN device and an 802.11 device.

The 802.11 PHY and MAC have been reviewed to determine their suitability to meet the Functional Requirements of the WPAN Applications as specified in IEEE documents –98/295-298 and –98/352. Detailed suggestions on proposed changes to the IEEE 802.11 MAC & PHY Standard have been reported in documents –98/322r2, 323, 324.]”

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## Par Edits (continued)

**ITEM 6: Change Scope to** : “[To define PHY and MAC specifications for wireless connectivity with fixed, portable and moving devices within or entering a Personal Operating Space (POS). A goal of the WPAN Group will be to achieve a level of interoperability (see –99/5) sufficient to transfer data between a WPAN device and an 802.11 device.

The 802.11 PHY and MAC Standard has been reviewed to determine its suitability to meet the Functional Requirements of the WPAN Applications as specified in IEEE documents –98/295-298 and –98/352. Detailed suggestions on proposed changes to the IEEE 802.11 MAC & PHY Standard have been reported in documents –98/322r2, 323, 324.] Reason: reflects change of recommendation from TG to WG.

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## Par Edits (continued)

**ITEM 7:** Drop word “supplemental”. Reason: reflects change of recommendation from TG to WG.

**ITEM 9:** Add following footnote “These groups are not standards organizations, but they have similar charters and the Working Group intends to establish liaisons with these groups as appropriate.” Reason: clarification and intent.

**ITEM 12b:** Add “[ISO/IEC JTC1/SC6] by [DR]”. Reason: clerical error

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## Par Edits (continued)

**ITEM 6 under Additional:** Change as follows: A Personal Operating Space (POS) is the space about a person or object that typically extends up to 10 meters in all directions and envelops the person whether stationary or in motion. Reason: Clarification of intent.

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## Motion 1

- We move to approve the WPAN PAR “Rev 9” -98/162r9

## Motion 2

- We move that the 802.11 WLAN Working Group recommends that The Executive Committee of 802 submit the WPAN PAR “Rev 9” -98/162r9 to NesCOM for approval.

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## Motion 3

- The 802.11 WLAN Group recommends that The Executive Committee of 802 establish a new Working Group for Wireless Personal Area Networks.

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## Archive, Mailing List, URLs

- WPAN Archives
  - NEW** – <ftp://ftp.flexipc.com/wearablesgroup/Index.htm>
  - <ftp://ftp.flexipc.com/wearablesgroup/>
- WPAN Mailing List
  - [stds-802-wpan@major-domo.ieee.org](mailto:stds-802-wpan@major-domo.ieee.org)
- IEEE 802.11
  - <http://grouper.ieee.org/groups/802/11/>
- 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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Robert F. Heile, GTE