44th Session of meetings of
IEEE P802.11
Wireless Local Area Networks

A Request for an 802.11 Study Group
“Wearables” Standards ad-hoc Committee
Bob Heile, GTE/BBN, bheile@bbn.com
Ian Gifford, AMP - M/A-COM, marketing@macom.com

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Agenda

• Background
• March 9, 1998 pm Tutorial during IEEE LMSC 802 Plenary
• Request to form in 802.11 a “Wearables” Standards Study Group i.e., MAC & PHY applicability to our requirements
Meeting Attendees

- FedEx
- Motorola
- Carnegie Mellon
- GTE/BBN
- Intermec/Norand
- Xetron
- DEC
- Aironet
- H-P
- Boeing
- ViA
- AMP - M/A-COM
- MIT Media Lab
- Walt Disney
- Motorola
- PED Inc.

Applications

- Mobile Worker
- Collaborative Maintenance
- Medical Sensing
Functional Requirements

- Power Management: Low current consumption
- Range: 0-10 meters
- Speed: 19.2 - 100Kbps (actual)
- Small Size e.g., ~.5 cubic inches no antenna
- Low Cost: i.e., relative to target device
- Should allow overlap of multiple networks in the same area
- Networking support for a minimum of sixteen devices

Tutorial

- Introduction
- Application
  - FedEx
  - ViA
- PAN Requirements
- Implementation
  - GTE/BBN
  - Norand
- Q&A