

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

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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
- Intermecc/Norand
- Xetron
- DEC
- Aironet
- H-P
- Boeing
- ViA
- AMP - M/A-COM
- MIT Media Lab
- Walt Disney
- Motorola
- PED Inc.
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Applications

- Mobile Worker
- Collaborative Maintenance
- Medical Sensing
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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
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Tutorial

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