



HomeRFTM Working Group

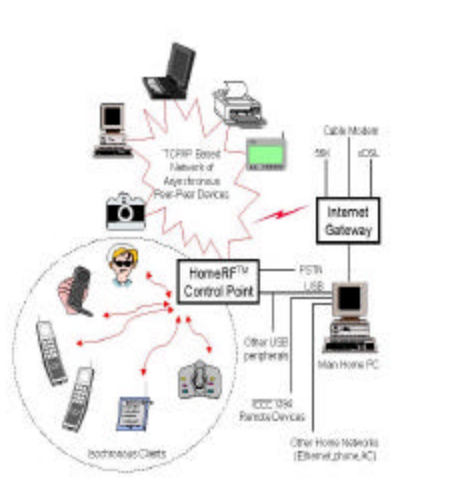
3rd Liaison Report

HomeRFTM Mission Statement

To enable the existence of a broad range of **interoperable consumer devices**, by establishing an **open industry specification** for unlicensed RF digital communications for PCs and consumer devices **anywhere, in and around the home.**

MICROSOFT CORP.
EXHIBIT 1009

Vision for Home Networking



Membership Roster

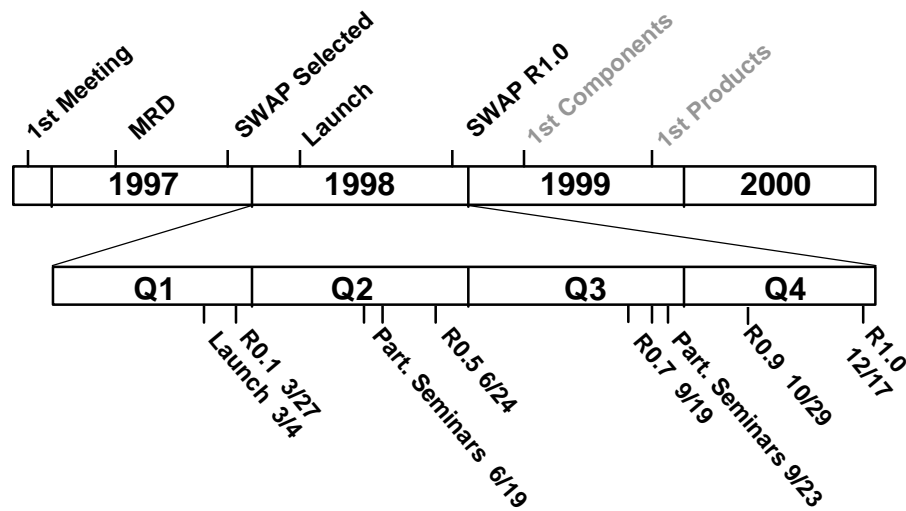
{Updated September 11, 1998}

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|--|---|
| 3COM | Harris Semiconductor |
| Advanced Micro Devices | Hewlett-Packard Company |
| Aironet Wireless Communications | Hosiden Corp. |
| Alps Electric Co., Ltd. | IBM |
| Broadcom Corporation | Intel Corp. |
| Butterfly Communications | Intellon |
| Casio Computer Corp. | Kansai Electric Co., Ltd. |
| Cisco Systems | LG Electronics, Inc. |
| Compaq Computer Corp. | Matsushita Electric Industrial Co. |
| Ericsson Enterprise Networks | (Panasonic) |
| Fujitsu Ltd. | Microsoft |

Member Roster (Cont.)

- | | |
|---------------------------------------|--------------------------------|
| Mitsubishi Electric Corporation | Rockwell Semiconductor Systems |
| Motorola | Samsung Electronics, Inc. |
| National Semiconductor | ShareWave, Inc. |
| NEC Corporation | Sharp Corporation |
| Nortel | Siemens |
| Oki Electric Industry Co., Ltd. | Silicon Wave Inc. |
| Philips Consumer Communications (PCC) | Symbionics |
| Primax Electronics, Ltd. | Symbol Technologies |
| Proxim | Texas Instruments |
| RF Monolithics, Inc. | WebGear |

HomeRF™ Timeline



Applications & Usage Scenarios



PC-Enhanced Cordless Telephone

- Interoperable Cordless Telephone with Digital Voice Quality
- Caller ID with PC Lookup
- Lowest Cost Call Routing (Internet Telephony)
- Voice Mail Retrieval
- Email viewing or read back as Text to Speech (TTS)
- PIM Functionality
- Speech Input to PC (Voice commands)
- Remote I/O Access to Other PC Subsystems
- Home Automation Control Center
- Endless Software-Based Applications To Be Written

Mobile Viewer Appliance

- Portable device built around inexpensive color display
- Extension of main Home PC ...
- ... and/or gateway to the Internet
- Limited input functionality and local processing power
 - Relies heavily on central resources on PC or Internet
 - TCP/IP networking represents efficient link to host device/gateway
 - speech could be a primary data input method
- Known by many names - “Fridgepad”, “Infopad”, “Netviewer”, etc.

Resource Sharing

- Multi-PC homes can share files/modems/printers
- PC’s and other new devices can share an ISP connection
 - Only one PSTN line and ISP account required
 - Perfect for evolving big pipes such as UDSL or cable modem
- Peer to peer communication enables interactive entertainment and information sharing
- Multi-player games and/or toys based on PC or Internet resources

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