



# HomeRF™ Working Group

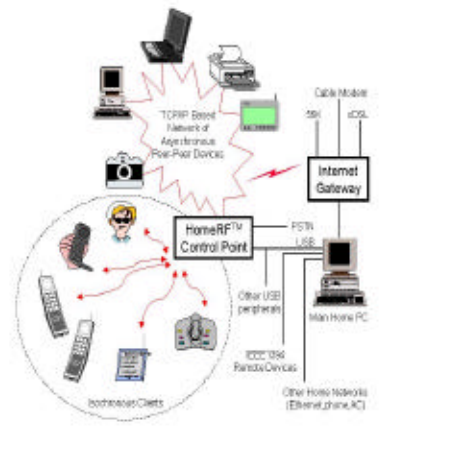
## 3rd Liaison Report

# HomeRF™ 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**.

ERICSSON INC.  
EXHIBIT 1009

# Vision for Home Networking



Submission

Slide 3

Tim Blaney, Commcepts

# Membership Roster

{ Updated September 11, 1998 }

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

Submission

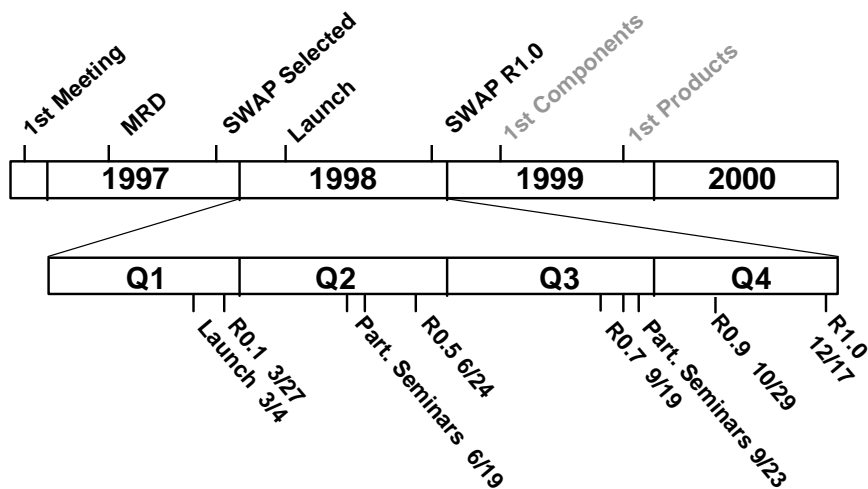
Slide 4

Tim Blaney, Commcepts

### 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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