

# WAP Forum History and Status

## WAP Forum milestones

- **Formed June/97 by Ericsson, Motorola, Nokia, Unwired Planet**
- **Open to new members January/98**
- **WAP Specifications 1.0 published April 30/98**
- **First open meeting held June 98 - Vancouver**
  - 40 member companies with 165 participants
- **Second open meeting held July 98 - Helsinki**
  - 60 member companies with 200 participants
- **Meetings scheduled for remainder of 1998**
  - October - Copenhagen
  - December - Tokyo/Kyoto

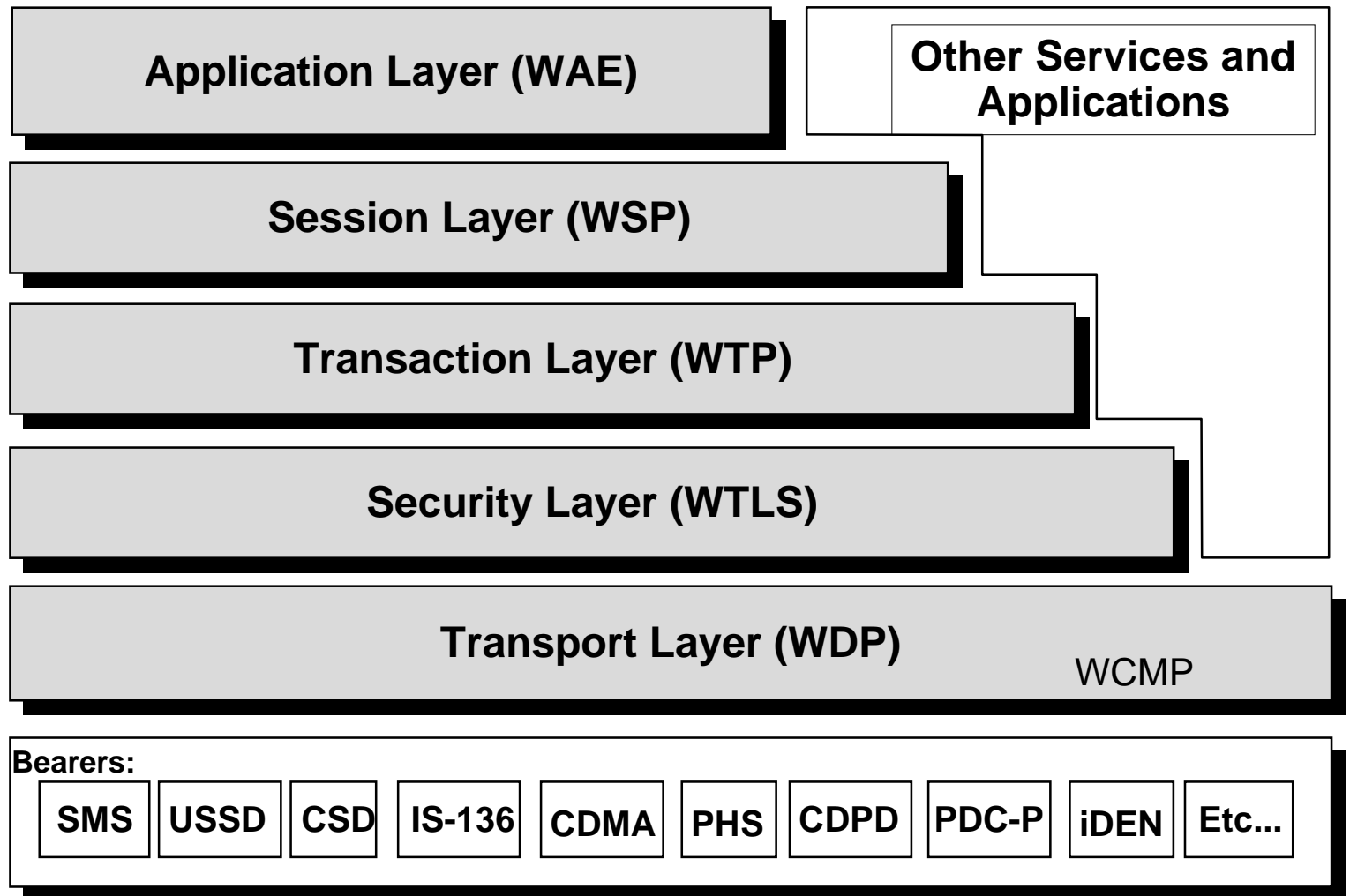
# WAP Forum Structure

- **WAP Board of Directors (13 members)**
  - **WAP Specification Committee**
    - 4 members appointed by board
    - administrative issues
  - **WAP Architecture Working Group**
  - **WAP Protocols Working Group**
  - **WAP Security Working Group**
  - **WAP Application Working Group**
  - *WAP Interoperability Working Group*
    - *pending approval*

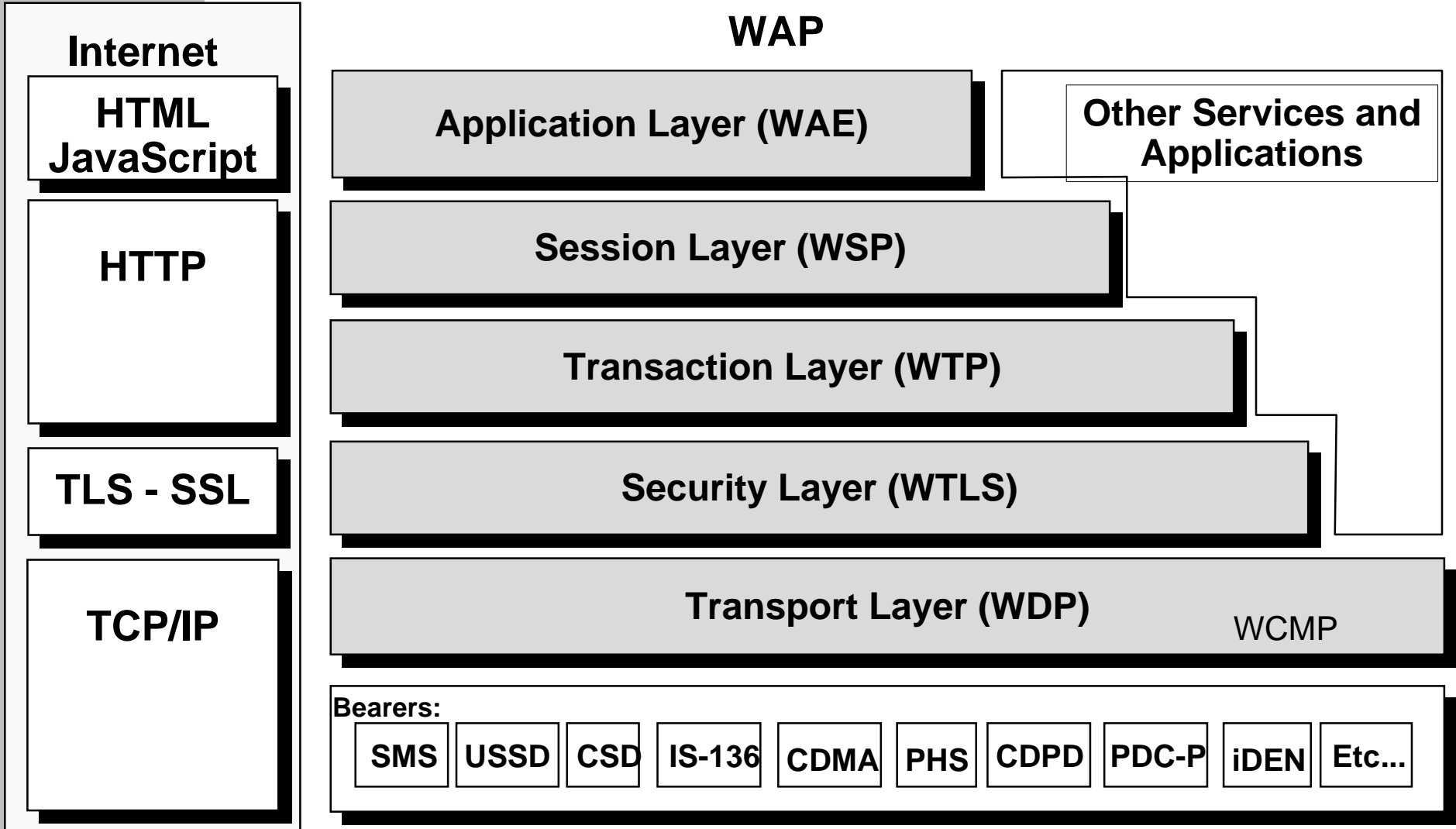
# WAP Technical Working Groups

- **Architecture Working Group (ArchG)**
  - Overall WAP architecture
- **Wireless Protocol Working Group (WPG)**
  - Bearer-neutral transport protocols
  - WSP, WTP, WDP, and WCMP
- **Wireless Security Working Group (WSG)**
  - security protocol WTLS
- **Wireless Application Working Group (WAG)**
  - Content formats, naming, etc.
  - WAE, WML, WMLScript, WTA etc.

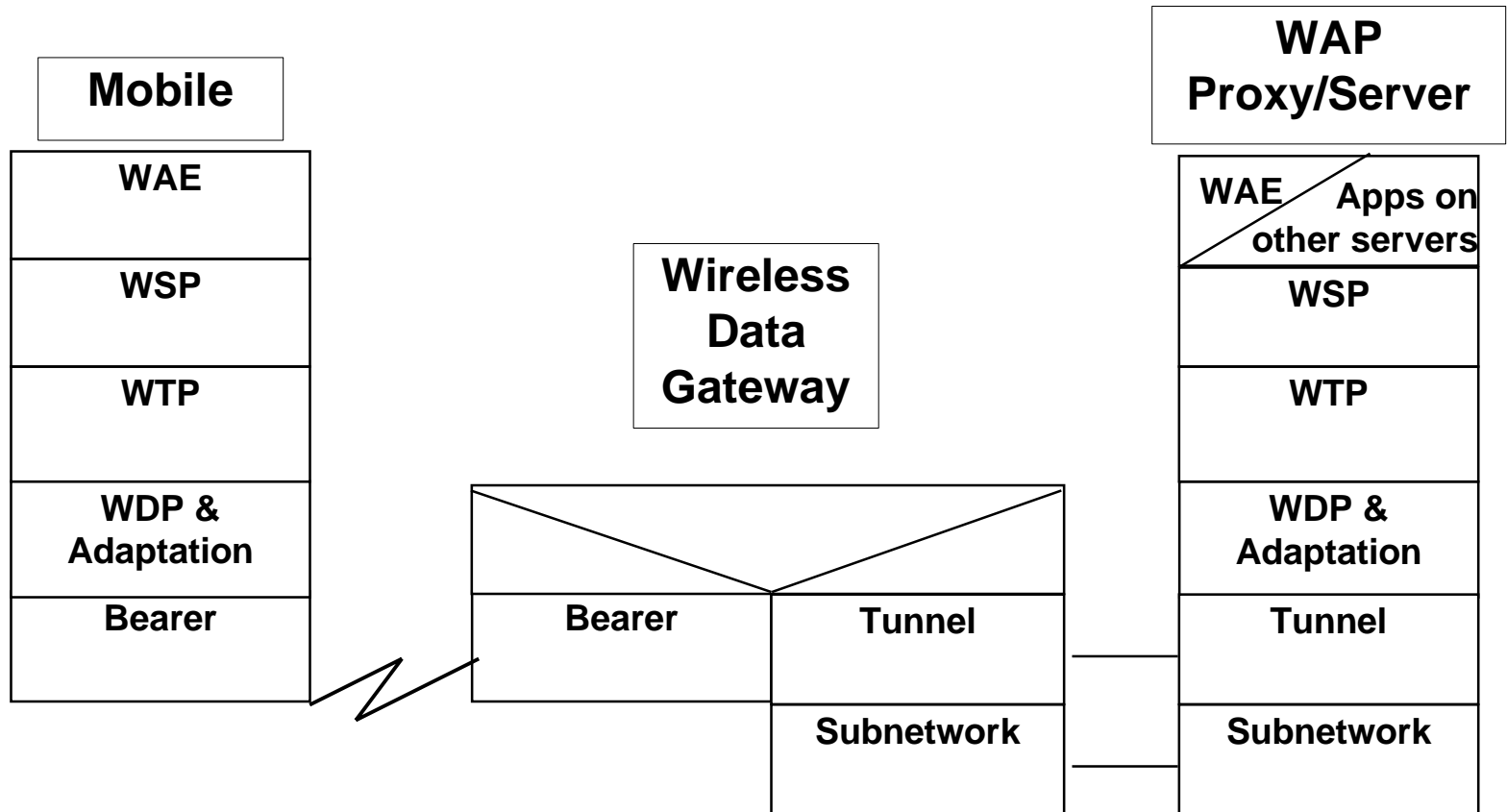
# WAP Architecture



# Comparison between Internet and WAP Architecture



# WAP Environment



# WAP Forum Helsinki Meeting

## Helsinki Highlights

- **Liaison and collaboration established with ETSI MExE (Mobile Execution Environment).**
- **Liaison and collaboration established with W3C.**
- **Large number of new work items discussed.**
  - **See next slides**
- **WAP Interoperability working group to be formed.**

# WAP Forum Helsinki Meeting

- **Architecture Working Group**
  - attended by ~70 people
  - scope and new work for the Architecture Group may include;
    - compliance & interoperability
    - liaison to other organizations
    - technical roadmap
    - WAP stack migration
    - Quality of Service
    - review of formation of new working groups
    - cross layer issues I.e. management entities
    - smart proxies (W3C/HTTP-NG)



# WAP Forum Helsinki Meeting

- **Architecture Working Group**
  - **scope continued**
    - **WAP protocols as proxy to other environments**
    - **Over-the-air-Programming**
    - **Persistent Storage I/F (SIM card)**
    - **Location Services**
    - **Directory Access**
    - **Network Management**
    - **Broadcast services**

# WAP Forum Helsinki Meeting

- **Workshops (birds of a feather)**
  - **Telematics and Location Services**
  - **SIM/Smartcard**
  - **WAP over GPRS**
  - **Interoperability and Testing**
  - **WAP over SMS Bearers**
  - **WAP Persistent Storage**
  - **Java VM Integration with WAP**
  - **WAE Content Push**
  - **WAP and Bluetooth**
  - **Billing Services for WAP**

# WAP Forum Helsinki Meeting

- **Other notable work items**
  - **Connection-Oriented protocol**
  - **Wireless Telephony Applications**
  - **WAP over PHS, PDC, and DataTAC**
  - **WAP over CDMA SMS defined**
  - **WAP over CDMA Circuit-Switched Data revised**
  - **Wireless Proxy Protocol for end-to-end security proposed**
  - **WAP trials (bake-off) discussed for early '99.**