



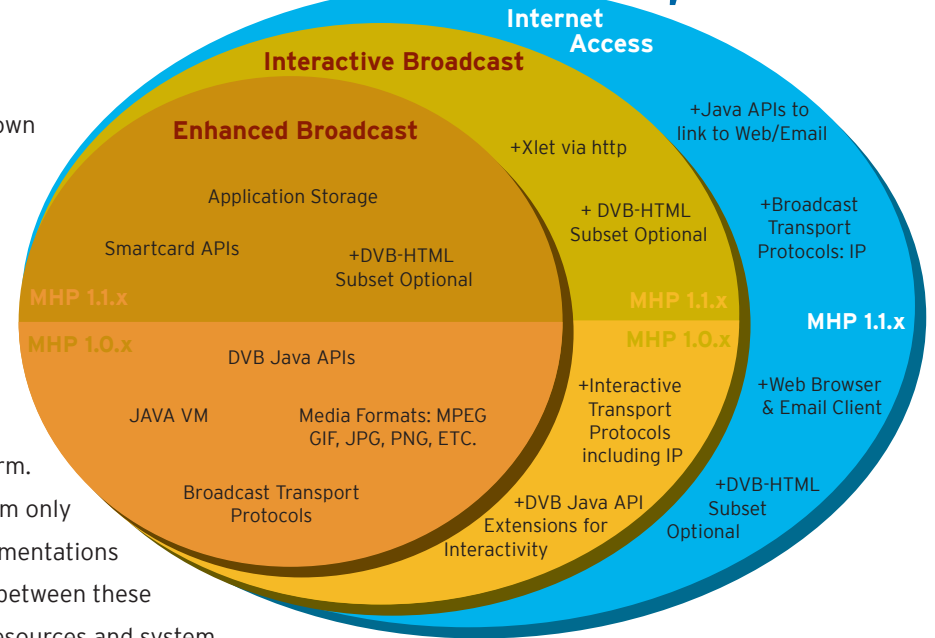
Multimedia Home Platform

The Multimedia Home Platform (MHP) defines a generic interface between interactive digital applications and the terminals on which those applications execute. It enables digital content providers to address all types of terminals ranging from low-end to high-end set top boxes, integrated digital TV sets and multimedia PCs. The MHP extends the existing, successful DVB open standards for broadcast and interactive services in all transmission networks.

System core

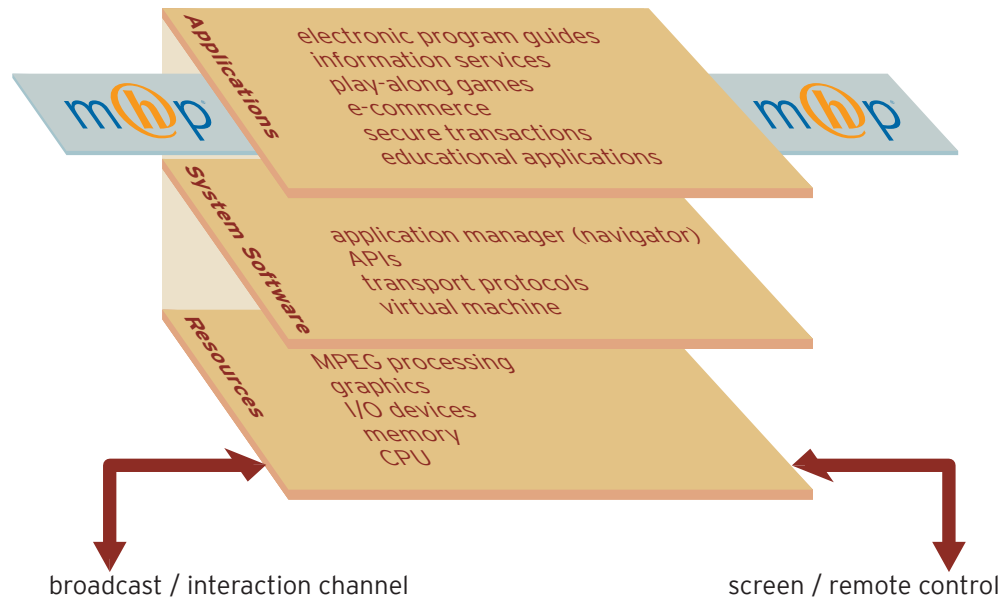
MHP is based around a platform known as DVB-J, which includes a virtual machine as defined in the Java Virtual Machine specification from Sun Microsystems. A number of software packages provide generic application program interfaces (APIs) to a wide range of features of the platform. MHP applications access the platform only via these specified APIs. MHP implementations are required to perform a mapping between these specified APIs and the underlying resources and system software.

DVB-MHP Profiles 1, 2 & 3



MHP architecture

The architecture of the MHP is defined in terms of three layers: resources, system software and applications. Typical MHP resources are MPEG processing, I/O devices, CPU, memory and a graphics system. The system software uses the available resources in order to provide an abstract view of the platform to the applications. Implementations include an application manager (also known as a "navigator") to control the MHP and the applications running on it.



MHP Profiles

The MHP specification provides a consistent set of features and functions required for the Enhanced Broadcast, Interactive Broadcast and Internet Access profiles. The Enhanced Broadcast profile is intended for broadcast (one way) services, while the Interactive Broadcast profile supports additional interactive services. The Internet Access profile allows MHP to use the world-wide communication network provided by the Internet.

The MHP Standard is available on the DVB CD-ROM and from www.mhp.org or www.etsi.org

MHP Test Suite

The MHP Test Suite, an collection of over 10,000 tests, allows for verification of compliance to the MHP standard. Passing the Test Suite is a validation of the interoperability of an MHP implementation and guarantees the proper execution of MHP applications.

As a mark of quality, the right to use the MHP logo is only granted to those MHP implementation that pass the Test Suite.

How to get the MHP Test Suite?

The MHP Test Suite is available from the European Telecommunications Standards Institute (ETSI) . Send ETSI the signed Test Application Licence and pay the administrative fee of 1.000€, and you will receive the latest version of the Test Suite. The source code and a test harness are available at no extra cost.

When your implementation has successfully passed the MHP Test Suite, you can choose to obtain a license of Intellectual Property Rights essential to the MHP specification from ETSI.



How to get the MHP logo?

The MHP logo is distributed and managed by the DVB Project Office. Only after successfully passing the MHP Test Suite and receiving the Certificate of Completion of Conformance Testing from ETSI are you able to apply for the right to use the MHP logo.

Send the signed MHP Mark License Agreement to the DVB Project Office and pay the royalty of 10.000€, and you will receive the MHP logo and design guidelines.

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Questions?

Want to know more about MHP? The DVB Project Office is at your service. Ask us at

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or find your answer on

www.mhp.org

You can also discuss MHP matters in an international forum on

forum.mhp.org