



TARA Systems

in cooperation with



HbbTV Applications on DVB-I Services

November 2019



The DVB-I Standard

Delivery of TV services via broadband IP has become important for many broadcasters. To ensure that this is as reliable and convenient as traditional broadcast, the DVB Project defined the DVB-I standard. In DVB-I, services delivered via well-established DVB transmissions and those delivered via the Internet can be part of the same service list. Hybrid DVB-I clients allow seamless switching between TV services coming from these different transmission paths.

DVB-I also supports the signalling of interactive applications. This can be used to link HbbTV applications to DVB-I services, independent of the way of delivery.

A Prototype Supporting HbbTV in DVB-I

In cooperation with IRT, we have set-up a DVB-I client with support for HbbTV applications that are signalled via DVB-I services. We use our Inaris DVB/IPTV Middleware which supports the DVB-I service list handling and playback of services delivered using the DVB-DASH protocol. This is integrated into our LiveOn TV application running on Android TV. IRT provides a DVB-I service list where each TV service is associated with an XML AIT. Our Inaris HbbTV Solution for Android executes the referenced applications. With this prototype, we are presenting a full HbbTV experience independent of the transport layer.

Further information about Inaris HbbTV Solution:



www.tara-systems.de/hbbtv-solution

„Excellence in Embedded Software“

TARA Systems GmbH
Gmunder Str. 53 | 81379 Munich
inaris@tara-systems.de
www.tara-systems.de