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DVB AT IBC 2007

Demos Highlight Advancements In IPTV, Content Management & Hybrid Satellite/Terrestrial Mobile TV

7 – 11 September 2007, Amsterdam RAI   Stand No. 1.481

Amsterdam – 7 September 2007 – The DVB stand is presenting a number of important technology demonstrations that will highlight recent advancements and progress that have been made by DVB in the following key areas: IPTV, Content Protection and Copy Management (CPCM), and the delivery of mobile TV services over a hybrid satellite/terrestrial network (DVB-SH).

With a number of DVB-IPTV specifications already published as ETSI standards, and further work ongoing, the DVB stand at IBC is hosting a DVB-IPTV interoperability demonstration. Aspects of the DVB-IPTV specifications being demonstrated include Service Discovery and Selection (SD&S), Forward Error Correction (FEC) and Broadband Content Guide (BCG). Set-top boxes from Samsung Electronics, Siemens and Thomson are presented receiving standard definition and high definition video employing both MPEG-2 and MPEG-4 video coding. Network equipment is supplied by Thomson, Enensys, Expway and Orange. The demonstration draws on the ongoing work of the French Distrim@ges project, the goal of which is to develop prototype DVB-IPTV based technologies. (*See separate release.*)

Visitors to the DVB stand can also see the first public demonstration of features of the DVB-CPCM specification. DVB-CPCM is a system for Content Protection and Copy Management of commercial digital content delivered to consumer products. The specification will eventually consist of thirteen different elements, nine of which have now been approved by the DVB Steering Board. The demonstration, by the Swiss based company Fastcom Technology SA, shows the acquisition of content into a user's Authorised Domain (AD) and the subsequent movement of that content around the AD in accordance with the Usage State Information (USI) or permissions that have been attached to it by the rights holders. The demonstration also illustrates the remote accessing of content and the export of content from one AD to another. An interactive kiosk presentation is on site allowing visitors to get an idea of how the every day user might experience DVB-CPCM. (*See separate release.*)

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Earlier this year the DVB Steering Board approved the new DVB-SH specifications, enabling the delivery of mobile TV services over a hybrid satellite/terrestrial network using frequencies in S-band below 3GHz. At IBC visitors can see a technical demonstration of the DVB-SH physical layer, with simulations of the typical dynamic distortion experienced with mobile reception. The benefits of time interleaving and antenna diversity are clearly visible on a series of measurement displays. The demonstration is mounted with the support of Alcatel-Lucent, TeamCast and Rohde & Schwarz.

DVB representatives and technology experts will be on hand to answer queries and provide information on the implementation of the world's most successful set of technical standards for DTV. DVB's open, interoperable standards form the basis of services on every continent with more than 170 million receivers now deployed.

Background

The DVB Project

The Digital Video Broadcasting Project (DVB) is an industry-led consortium of over 260 broadcasters, manufacturers, network operators, software developers, regulatory bodies and others in over 35 countries committed to designing global standards for the delivery of digital television and data services. The DVB standards cover all aspects of digital television from transmission through interfacing, conditional access and interactivity for digital video, audio and data. The consortium came together in 1993 to create unity in the march towards global standardisation, interoperability and future proofing.

To date, there are numerous broadcast services using DVB standards. There are hundreds of manufacturers offering DVB compliant equipment, which is already in use around the world. DVB dominates the digital broadcasting world. A host of other services is also on-air with DVB-T, DVB-S, and DVB-C including data on the move and high-bandwidth Internet over the air. Further information about DVB can be found at: www.dvb.org.

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