



PRESS RELEASE

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DVB CELEBRATES TWO LANDMARK SPECIFICATIONS WITH DVB-S2 & DVB-H

DVB Pavilion Hosts End-To-End System For Delivery Of OCAP Services Demo & New DVB-H Technology.

April 17 – 22, LVCC Stand No. SU9709

Las Vegas – 17th April 2004 – At this year's NAB, DVB is proud to showcase two new landmark specifications, DVB-S2 for advanced satellite services and DVB-H for accessing DVB services on mobile handheld devices.

Building on the success of satellite transmission specification DVB-S, DVB-S2 offers greater flexibility and better performance over existing satellites at reasonable cost. The new open specification offers a 30 percent capacity increase under the same transmission conditions, more robust reception for the same spectrum efficiency and will operate from Carrier-to-Noise ratios as low as - 2 dB to + 16 dB. Spectrum efficiencies up to 4.5 bit/sec/Hz can be achieved.

DVB-H is another key DVB technology which will be showcased on the DVB Pavilion. It is based on the current DVB-T standard and is purposed for the new service scenarios where small, pocket size mobile terminals receive broadcast services on the move. The new DVB-H standard, while by no way changing the current digital TV business models for fixed reception, could provide new business possibilities for a variety of players from broadcast and cellular operators to chip and equipment manufacturers. For the broadcast operators it would provide a new vehicle to reach their customers while they are on the move and for cellular operators it could provide a cost efficient way to implement data broadcast services. For the end user this new standard would mean a more inexpensive and richer content experience in the mobile environment.

DVB specifications and other documentation are readily available and DVB experts are on hand to answer questions concerning all DVB specifications. The DVB Pavilion is also hosting a number of demonstrations provided by the following members of the DVB Project: DigiSoft, Fraunhofer IMK, Osmosys, ProTelevision, S&T, SysMedia and Unisoft.

DVB Celebrates Two Landmark Specifications With DVB-S2 & DVB-H

As the world's first vendor to have a commercially available DVB-H product, ProTelevision will be showing its PT5780 DVB modulator equipped with the DVB-H option. This upgrade makes it fully compatible with the DVB-H standard: 4K IFFT mode, native or 8K symbol interleaver, TPS signalling and cell-ID. It is also compatible with the 5MHz channel bandwidth option.

DigiSoft, Fraunhofer IMK, Osmosys, S&T, SysMedia and Unisoft are collaborating on an end-to-end demonstration of an advanced system designed for the delivery of OCAP (Open Cable Application Platform) services. OCAP has been developed for use in the US Cable industry by CableLabs and incorporates DVB's GEM (Globally Executable MHP) specification. The system, built from the products of the six companies, has been integrated to form a complete OCAP based software infrastructure. This technology demonstration illustrates that OCAP infrastructure is developing rapidly with trial deployments expected at the end of 2004.

The demo will showcase the following products: Osmosys' OCAP based middleware running on OCAP developer set-top boxes from ADB; Strategy & Technology's TSBroadcaster and TSPlayer products providing scheduled encoding and play-out of OCAP transport streams; Fraunhofer IMK's JAME iTV production system that includes JAME Author – a WYSIWYG authoring tool targeted for fast and easy content creation, a server which optimises the application for broadcasting and a high performance MHP and OCAP presentation engine for displaying the content; Sysmedia's PLASMA MAGENTA iTV production and content management system for generating Digital Teletext and interactive advertising content; DigiSoft's OCAP Application Management Platform; and UniSoft's OCAP Security File Generator for the creation of authenticated OCAP applications.

Background

The DVB Project

The Digital Video Broadcasting Project (DVB) is an industry-led consortium of over 250 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.

DVB Multimedia Home Platform (MHP)

MHP defines a generic interface between interactive digital applications and the terminals on which those applications are executed. The standard enables digital content providers to address all types of terminals ranging from low to high-end set-top boxes, IDTVs and multimedia PCs. With MHP, DVB extends its successful open standards for broadcast and interactive services in all transmission networks including satellite, cable terrestrial and wireless systems. Further information on MHP can be found at: www.mhp.org.

DVB Celebrates Two Landmark Specifications With DVB-S2 & DVB-H

Globally Executable MHP (GEM)

The DVB-MHP GEM specification, standardised by ETSI (TS 102 819), is set to become the first ever common world-wide standard for interactive television. The GEM specification defines the APIs, protocols and content formats that can be relied upon in all interactive television standards and specifications that support globally interoperable MHP applications.

GEM provides a means of ensuring that MHP applications can be carried over networks other than DVB. Where DVB has not been adopted, and therefore where the full MHP standard cannot be implemented, application interoperability can be assured by combining MHP based GEM with the appropriate specifications from another body to produce a GEM receiver.

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