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HEVC REVOLUTIONIZES UHDTV ON DVB PLATFORMS AT IBC

Demonstrations Show HEVC Encoded Content In Multiple UHD Services Utilizing DVB-S2X and Multiple HD Services Via DVB-T2

IBC Preview, 12 - 16 September 2014, Amsterdam, Stand 1.D81

Geneva – 04 August, 2014 – Following the approval in July of the specifications for the use of HEVC in the DVB environment and DVB-UHDTV Phase1, which was seen as a significant step in the road to Ultra High Definition TV services, DVB continues to make progress towards the next phase in the UHD standardization process.

At this year's IBC, DVB's main concentration will be to demonstrate how the coding efficiency of HEVC can be used to increase the capacity of the DVB-T2 terrestrial platform as well as for the new DVB-S2X satellite standard. Utilizing HEVC encoding, multiple UHD services will be delivered using DVB-S2X and multiple HD channels over DVB-T2.

The DVB-S2X demonstration will highlight the new standard that offers spectral efficiency of up to 50% for professional applications. S2X will be implemented with HEVC to deliver 4 UHD signals at a data rate of 100 Mbit/s. DVB-S2X provides more choices for roll-off factors as well as additional modulation and Forward Error Correction options that allow for the more efficient use of satellite transmission channels. It enables channel bonding of up to 3 satellite channels, which support higher aggregate data rates and allow for additional statistical multiplexing gain for services such as UHDTV.

In another demonstration up to 7 HEVC encoded High Definition channels will be delivered in one multiplex using DVB-T2 in a robust mode suitable for small indoor antennas and portable reception. Both fixed reception and mobile reception will be demonstrated.

About DVB

Digital Video Broadcasting (DVB) is an industry-led consortium of over 200 broadcasters, manufacturers, network operators, software developers, regulators and others from around the world committed to designing open interoperable technical standards for the global delivery of digital media and broadcast services.

HEVC Revolutionizes UHDTV On DVB Platforms

DVB standards cover all aspects of digital television from transmission through interfacing, conditional access and interactivity for digital video, audio and data.

DVB dominates the digital broadcasting environment with thousands of broadcast services around the world using DVB's standards. There are hundreds of manufacturers offering DVB compliant equipment. To date there are over a billion DVB receivers shipped worldwide.

Further information about DVB can be found at: www.dvb.org, www.dvbservices.com and www.dvbworld.org.

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