



## Press Release

For Immediate Release

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# DVB STEERING BOARD RATIFIES GSE-LITE SPECIFICATION

## Designed To Lower The Cost Of Consumer Receiver Equipment, The GSE-Lite Profile Provides A Completely Functional Sub-Set Of DVB-GSE

**Geneva – 20 November, 2013** – At the 75<sup>th</sup> meeting of the DVB Steering Board, the new DVB-GSE-Lite (Generic Stream Encapsulation) specification was ratified. The specification will now be submitted to the European Telecommunications Standards Institute (ETSI) for formal standardization. A GSE-Lite BlueBook will be published shortly.

The DVB-GSE protocol allows for efficient encapsulation of IP and other network layer packets over the second generation DVB physical layer specifications - DVB-S2, DVB-C2, DVB-T2, and DVB-NGH. The first generation of DVB standards only supported data transport using the MPEG format with a Transport Stream packet multiplex (MPEG-TS). DVB-GSE maximizes the efficiency of IP datagrams transport, thereby reducing the overhead by a factor of 2 to 3 with respect to DVB-MPE over MPEG-TS. This is achieved without any compromise of the functionalities provided by the protocol owing to the variable length Layer 2 packet size that is suited to IP traffic characteristics.

The GSE-Lite profile has been conceived to provide a simple, yet completely functional sub-set of DVB-GSE. The new profile reduces the memory and processing requirements at both the transmitter and the receiver. GSE-Lite is particularly aimed at consumer receivers, where cost is a major design factor. This includes cost efficient broadband reception such as internet via satellite. The profile has been created to take into consideration the increased use of IP packets. It does however retain many of the generic features of the full GSE specification. GSE-Lite is particularly targeted at the second generation DVB physical layer specifications DVB-S2, DVB-C2, DVB-T2, and DVB-NGH.

“DVB strives to provide up-to-date market solutions with its specifications and the GSE-Lite profile is a perfect example of this work. This new specification will enable the creation of cost savings for consumers purchasing receiver equipment designed for DVB second generation standards,” commented Peter Siebert, Executive Director, DVB.

## DVB Steering Board Ratifies GSE-Lite Specification

### **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.

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 nearly a billion DVB receivers shipped worldwide.

Further information about DVB can be found at: [www.dvb.org](http://www.dvb.org), [www.dvbservices.com](http://www.dvbservices.com) and [www.dvbworld.org](http://www.dvbworld.org).

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