



# Technical Module

## AHG on Generic Data Broadcast and Service Information Protocols (GBS)

# Terms of Reference

## 1 General

- 1.1 The Ad-Hoc Group (AHG) on Generic Data Broadcast and Service Information Protocols (GBS) is a subgroup of the Technical Module (TM).
- 1.2 As such it is open to representatives of all members of the DVB Project who have announced their wish to participate in this group at the level of the TM.
- 1.3 The GBS group will work according to Commercial Requirements to be provided to the group by the DVB Commercial Module via the Steering Board and the Technical Module.
- 1.4 As a TM AHG, the GBS group will receive guidance from the TM and report on all issues to the TM.
- 1.5 The GBS group may form working groups to analyse specific issues and to draft related documents. Participation in such working groups is open to all members of the AHG GBS.
- 1.6 The GBS group is the successor to the previous AHG on Service Information and Data Broadcast (SI-DAT) which produced the specifications [1-8].

## 2 Tasks

- 2.1 The GBS group will design and specify mechanisms for conveying content-related information and mechanisms that enable the implementation of generic, streaming and non-streaming data services. These will take into account first and foremost the transports currently in use and under specification by DVB, e.g. MPEG-2 Transport Stream and IP.
- 2.2 The GBS group will develop mechanisms for linking with other protocols (i.e. provide tunnelling or transport for them).
- 2.3 Selection of technical elements will take place with a view on backward and forward compatibility with respect to the existing DVB specifications [1-8]. This means that those technical elements will be evaluated first, which promise such compatibility. The group will thus seek to make sure that existing, deployed DVB 1.0 services will continue to operate as designed in the presence of DVB 2.0 protocols.

- 2.4 The GBS group will develop open standards for the broadcast of generic data and content related information, but will not preclude the optional use of other technologies for this purpose. Moreover the GBS group will analyse relevant activities or proposals of other organisations outside of DVB and, where appropriate it will co-operate with them to specify guidelines for adoption in DVB systems.
- 2.5 The GBS group will prepare draft technical specifications and/or guidelines according to the DVB process and set by the framework of DVB 2.0 (document TM 2513). As a continuation of SI-DAT work, the GBS group will provide maintenance for the DVB standards and guidelines documents produced by SI-DAT (i.e. [1-8]).
- 2.6 The GBS group will *not* be specifying in the following areas: the Application Layer, the Network Layer and layers below it, content encoding, subtitling, return-channel protocols and compliance testing.

### 3 References

- [1] EN 300 468 “Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB Systems”
- [2] TR 101 211 “Digital Video Broadcasting (DVB); Guidelines on implementation and usage of Service Information (SI)”
- [3] TR 101 162 “Digital Video Broadcasting (DVB); Allocation of Service Information (SI) Codes for Digital Video Broadcasting (DVB) Systems”
- [4] EN 301 192 “Digital Video Broadcasting (DVB); DVB Specification for Data Broadcasting”
- [5] TR 101 202 “Digital Video Broadcasting (DVB); Implementation Guidelines for Data Broadcasting”
- [6] EN 300 472 “Digital Video Broadcasting (DVB); Specification for Conveying ITU-R System B Teletext in DVB Bitstreams”
- [7] EN 301 775 “Digital Video Broadcasting (DVB); Specification for the Carriage of Vertical Blanking Information (VBI) Data in DVB Bitstreams”
- [8] TS 102 006 “Digital Video Broadcasting (DVB); Specification for System Software Update in DVB Systems”