



DVB Subtitling Systems EN300 743

Peter Cherriman (BBC)

DVB's ETSI EN 300 743

- Bitmap based subtitle standard for broadcast television
- Widely used in Europe and Asia
- Maintained by TM-SUB group in DVB
- Initial version 1997
 - Introduced as a replacement for teletext,
 - supported more colours,
 - had better presentation options,
 - more consistent presentation across receiver population

EN300 743 Evolution

- Updated in 2006 to support HD (v1.3.1)
- Updated in 2011 to support disparity/3D (v1.4.1)
- Updated in 2017 to support UHD&HDR
 - Available now as DVB bluebook A009 at <https://www.dvb.org/standards>
 - Working it's way through the ETSI process, expected to become EN 300 743 v1.6.1

Bitmap subtitles - DVB bluebook A009

- Primarily to support UHD services, but also added some bug-fixes and clarifications.
- Three major areas of change
 - UHD support
 - Bitmaps limited to HD resolution
 - New Progressive Encoding
 - Simple conversion from PNG files
 - New optional Colour lookup tables
 - Allows subtitle author to signal exact colours in various colour-spaces including ITU-R colourspaces BT.709, BT.2020, BT.2100 (PQ10 and HLG HDR)

DVB[®]

The image shows the logo for DVB (Digital Video Broadcasting). The letters 'DVB' are rendered in a bold, blue, sans-serif font. The 'D' is a simple block letter. The 'V' is formed by two diagonal strokes meeting at a point. The 'B' has a thick top bar and a rounded bottom. A small registered trademark symbol (®) is located to the upper right of the 'B'. Below the main logo, there is a faint, light blue reflection of the 'DVB' text, creating a sense of depth and a clean, modern aesthetic.