DVB Subtitling Systems
EN300 743

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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](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 coloursspaces BT.709, BT.2020, BT.2100 (PQ10 and HLG HDR)