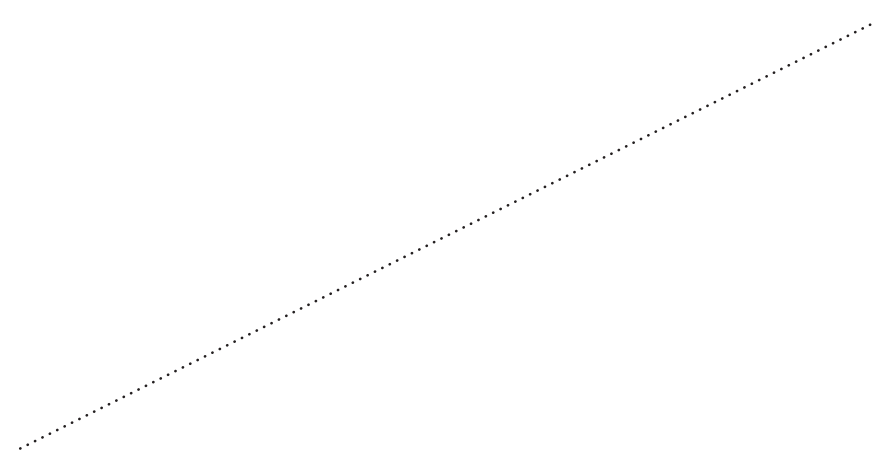


FILE SPECIFICATIONS DIGITAL ARCHIVE BEELD EN GELUID

V1.1

BEELD EN GELUID





**Video-files:**

- MXF D10-30 (SD)
- MXF D10-50 (SD)
- MXF XDCAM HD422 (HD)

Audiofiles:

- BWF (Broadcast Wave Format)
-

Technical specifications:

Standard **audiofile** Digital Archive:

- **BWF** (Broadcast Wave Format)

This format exists of a lossless WAV-format and additional metadata in the footer and header: :
<https://tech.ebu.ch/docs/tech/tech3285.pdf>

Standard **videofiles** Digital Archive.

- **MXF D10-30**
- **MXF D10-50**
- **MXF XDCAM HD422**

Additional specifications for MXF-files:

- When the SMPTE documents refer to a PAL(625/50) and a NTSC(525/60) version, always choose PAL.
- Only bitrates of 30 and 50 Mbit/s are supported.
- "Open" MXF-files are not allowed; partitions can be either "Complete" or "Incomplete".
- The timecode of the videofiles is defined by the Timecode Track in the Material Package of the MXF-file, as described in EBU Rec-122.
- The frame-rate is 25 frames / 50 fields per second.

References MXF-formats:

De **SMPTE** file specifications:

- SMPTE 377M, for Television: The Material Exchange Format (MXF) File Format Specification
- SMPTE 378M, for Television: MXF Operational Pattern 1a (Single Item, Single Package)
- SMPTE 379M, for Television: The MXF Generic Container
- SMPTE 381M, for Television: Mapping MPEG streams into the MXF Generic Container
- SMPTE 382M, for Television: Mapping AES3 and Broadcast Wave Audio into the MXF Generic Container
- SMPTE 386M, for Television: Mapping Type D-10 Essence Data to the MXF Generic Container



De **EBU Rec 122** timecode specifications: <https://tech.ebu.ch/docs/r/r122.pdf>

De **XDCAM HD422** specifications:

- MPEGHDv120_20080313.pdf – Mapping Type MPEG HD / MPEG HD422 and AES3 Audio Essence to the MXF Generic Container, version 1.20
- XDCAM MXF Metadata Correction 20080201_rev1.pdf – Corrections to the metadata description of MXF files generated by XDCAM (rev.1)
- XDCAM_MXF_HD422_v080.pdf – MXF for XDCAM HD422, 31 Aug. 2007