

UK/ROI | Technical Specifications

(BBC World News)

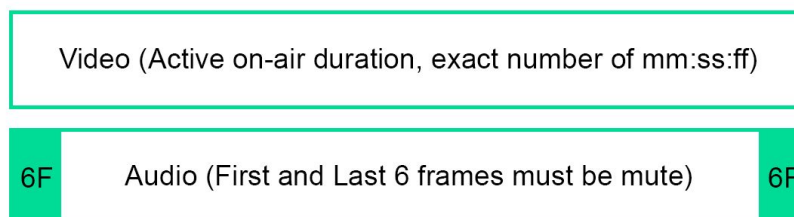
All files uploaded to IMD CCloud are immediately run through an Auto QC process. To ensure files are not rejected please adhere to the guidelines below.

	HD (1080/50i)
Container	MXF (OP1a)
Video	
Codec	XDCAM HD422
Format Profile	422P@HighLevel
Frame size	1920 x 1080
Aspect Ratio	16:9
Frame rate	25 fps
Interlacing	Upper Field First
Bitrate	50 Mbps
Chroma Subsampling	4:2:2
GOP Length	12 (M=3, N=12)
Audio	
Format	PCM (Little Endian)
Channels	2 (1 channel per stream)
Sample Rate	48 kHz
Bit Depth	16 bits / 24 bits

File Layout

Files must be exact duration; TVC content only. No pre or post roll such as clock/slate, bars, black, hold, freeze or audio tone is required.

The first and last 6 frames of the commercial must be mute.



Video Levels

Levels must be in accordance with *ITU BT.709* for HD content, and *EBU R103-2000* recommendations:

Luma = Level 16-235 (not RGB 0-255 level), equivalent to 0% - 100% or 0mV - 700mV. Chroma = Level 16-240, equivalent to maximum 100% RGB.

All content should be upper/first field dominant throughout and must be free of encoding artefacts, dropout, glitches, blocking, interlace issues or excessive aliasing and considered broadcast quality throughout.

Audio Levels

The Programme Loudness Level must be normalised to -23 LUFS (± 0.5 LU) and -1 dBTP max, according to *EBU R128* recommendation.

Audio should be free of any distortion, glitches or excessive sibilance and must be in phase and in sync with the video throughout.

Safe Area

Please ensure all On Screen Text is free from spelling and grammatical errors, and within the relevant Safe Area in accordance with *EBU R95-2017* recommendations

HD Safe Area 1920x1080 Interlaced

