

BEAM UK SPECIFICATIONS

This document sets out the guidelines for delivery of commercial copy for Transmission in the UK. Any deviation from these specifications could result in the copy being rejected.

Please direct any queries to transmission@beam.tv



OVERVIEW

NAMING:	The file must be named in the following way: CLOCKNUMBERunderscoreDEFINITION.mxf e.g. AAA-BBBB000-000_SD.mxf for Standard Definition and AAA-BBBB000-000_HD.mxf for High Definition.
LEAD IN / OUT:	The commercial should be preceded by a silent countdown clock of 7 seconds duration followed by 3 seconds of black and silence prior to the first active frame. The commercial should be followed by 10 seconds freeze of the last active frame.
GENERIC:	<ul style="list-style-type: none"> The clock should be silent and visually identify the product and agency copy number (with slashes and not dashes), title, commercial duration, the correct audio state (stereo / mono) and the aspect ratio. It should not state 'R128'. Any other relevant information should also be indicated on the clock i.e. 4 channels of audio, commercial starts on black, etc. All signals should conform to broadcast regulations, including loudness specifications, and be free of artefacts. Video levels should not exceed 700mV or fall below 0mV, although EBU REC.103-2000 tolerances will be accepted. Chrominance should be within RGB and Composite gamut and legal in all domains although EBU REC.103-2000 tolerances will be accepted. It is recommended that any compression and gain levels are the same as those provided by the sound house. Captions should conform to Clearcast guidelines with all legal text falling within 16:9 title safety. The first 6 frames and the last 6 frames of the commercial should be completely mute. Silence is measured below -70dBFS. If material is also for ROI please be aware that ROI prefers 12frames mute top and tail but will accept 6 frames.
DELIVERY TO	You require a secure and personalised username and password for our secure servers in order to deliver to us.
BEAM:	Please contact transmission@beam.tv to set this up for you.

FILE SUBMISSION

PLEASE SUPPLY THE COMMERCIAL IN THE DEFINITION AS INSTRUCTED BY THE CLIENT.

MPEG-2 mxf SD PAL	MPEG-2 mxf HD 50i
Codec: MPEG-2	Codec: MPEG-2
Container: OP1a	Container: OP1a
Profile / Level: 4:2:2 / main	Profile / Level: MPEG-2 4:2:2 / high
Video: 50Mb/s	Video: 100Mb/s
Audio: PCM AES 2 Channel 48kHz 16 bit	Audio: PCM AES 2 Channel 48kHz 24 bit
GOP Structure: I Frame only	GOP Structure: I Frame only
CBR / VBR: CBR	CBR / VBR: CBR
Interlaced: Upper Field First	Interlaced: Upper Field First
Chroma: 422	Chroma: 422
Line Standard: 625/50 PAL I	Line Standard: HD
Framerate: 25 fps	Framerate: 25 fps
Framesize: 720 x 608 (VBI present)	Framesize: 1920 x 1080
Aspect Ratio: 16x9	Display Aspect Ratio: 16x9
Audio ch 1: Stereo Left / Mono	Audio ch 1: Stereo Left / Mono
Audio ch 2: Stereo Right / Mono	Audio ch 2: Stereo Right / Mono
File Extension: .mxf	File Extension: .mxf

AUDIO

MISC

UK and ROI	
Loudness Requirements: R128	Aspect Ratio: 16x9 FHA / 16:9
Short Term: (recommended -18 LUFS max)	Title Safety: 16x9 EBU R.95-1
Momentary: n/a	Naming: CLOCKNUMBERunderscoreDEFINITION
Integrated: -23 LUFS ± 0.5LUFS	e.g. AAA-BBBB000-000_SD
dBTP: -1 max (recommended -3 max)	e.g. AAA-BBBB000-000_HD
PPM Type II Ballistics: n/a	note: all files must be named in this way
dBFS: n/a	