

## UKTV Acquisitions Delivery Specification

Please note that every programme submitted for transmission must satisfy an Automated Quality Control process specified by UKTV on whose behalf Red Bee are acting. Any programme failing the QC process on tape or file may be rejected and returned to the supplier for repair.

Where specified the supplier must adhere to the specific technical delivery requirements of the broadcaster that form an integral part of the contract. If you wish to deliver in any other form than listed below, please contact Email:

[uktv.media.prep@ericsson.com](mailto:uktv.media.prep@ericsson.com)

Phone: 020 849 55560 / 020 849 55561

### Technical Specifications for Content Delivery into Red Bee Media

Content Type:	HD (preferred)	HD (alternative)	SD
Video Codec:	AVC Intra	XDCAMHD/MPEG	IMX 50
Stream Type:	AVCi OP1A	XDCAMHD	OP1A
CBR or VBR:	CBR	CBR	CBR
Average Video Bit Rate:	100000kbps	50000kbps	50000kbps
Chroma Sampling:	422P@HL	422P@HL	422P PAL
Scan Type:	MBAFF	M3 N12/Interlaced/TFF	I Frame/Interlaced/TFF
Frame Rate:	25	25	25
Aspect Ratio:	1.78:1	1.78:1	1.78:1/1.33:1
Frame Size:	1920x1080	1920x1080	720x576
Audio Codec:	PCM	PCM	PCM
Audio Sample Rate:	48k	48k	48k
Audio Bit Depth:	24b	24b	24b
Audio Bit Rate:	9216kbps	9216kbps	4608
Audio Channels:	8	8	4
File Container:	MXF/OP1A/	XDCAMHD	MXF/OP1A/
File Extension:	mxfl	mxfl	mxfl

## Audio Configuration:

Expected audio track configuration should be clearly identified on slate or clock for file delivered content and on the VTR Paperwork for tape content.

For Stereo content R123:4b would be preferred. For surround R123:16c

	<b>R123:4b</b>	<b>R123:16c</b>
1	Stereo Final Mix L	Stereo Final Mix L
2	Stereo Final Mix R	Stereo Final Mix R
3	Stereo M&E L	Stereo M&E L
4	Stereo M&E R	Stereo M&E R
5		5.1 Final Mix L
6		5.1 Final Mix R
7		5.1 Final Mix C
8		5.1 Final Mix LFE
9		5.1 Final Mix Ls
10		5.1 Final Mix Rs
11		5.1 M&E L
12		5.1 M&E R
13		5.1 M&E C
14		5.1 M&E LFE
15		5.1 M&E Ls
16		5.1 M&E Rs

**Please note that we require audio channels 1 + 2 to be in Full Stereo Mix,**

Dual Mono audio will be rejected and only acceptable if Full Stereo Mix is not available for the asset. Audio generated as mono must be presented on two phase-coherent tracks, and flagged as stereo.

## Lineup

All tapes (Digital Betacam, HDCam or HDCam SR) and files must include bars, tone and identifying clocks / slates lead in. The standards and references being used must be clearly identified on slate or clock for file delivered content and on the VTR Paperwork for tape content.

Preference for stereo Line-Up tone is for GLITS at 1kHz for Final Mix and 2kHz for M&E at -18dBFS (sinusoidal, free of distortion and phase coherent between channels)

Preference for surround Line-Up tone is for BLITS (sinusoidal, free of distortion and phase coherent between channels)

Preference for Video Line-up is for 100% Bars.

### **Notification of deliveries**

We will need an Email notification once a file has been sent.

### **Use of Non-HD material**

Some high definition programmes will contain some material from standard definition originals, and sources which are not considered to meet HD broadcast standards, such as domestic camcorders. This material is all called 'non-HD' in this document. To maintain a high standard and meet audience expectations the amount of non-HD material is limited to 25% of the programme's total duration. Non-HD material must not be used for large uninterrupted sections of the programme, unless agreed by the broadcaster. This includes archive material.