

Technical Specification

Australia & New Zealand

MPEG-2 Program Stream

NBCUniversal
International Television

General		
Container	MPEG-2 PS	
File name	3 letters, forward slash, 4 letters, 3 numbers, forwards slash, duration e.g. UNI/TEST001/030	
Video		
Video encoding	MPEG-2	
Bitrate	50Mbps	
Chroma subsampling	4:2:2	
Profile level	422P@ML	
Frame size	720x576 (608 inc. VBI)	
Frame rate	25 FPS	
Interlacing	Upper field first	
GOP	I Frame only	
Video levels	Luminance should not exceed 700MV or fall below 0MV Chrominance to be within ITU-R BT.601 for SD and ITU-R BT.709 for HD	
Standard	PAL	
Aspect ratio	16:9 FHA (14:9 title safe)	
Audio		
Audio encoding	MPEG1 Layer-2	
Bitrate	384kbps	
Sample rate	48khz	
Channels	Stereo	
Audio levels	Reference (dBFS): -18 Max Peak (dBFS): -10 Ballistic: PPM Type II	
Pre & Post Roll		
	Duration	Timecode
Clock (must include clock number, title, duration and aspect ratio. Clock must be mute)	27 seconds	00:00:00:00 – 00:00:26:24
Black	3 seconds	00:00:27:00 – 00:00:29:24
TVC (first and last 12 frames must be mute – no audio)	30 seconds	00:00:30:00 – 00:00:59:24
Freeze of last active frame	10 seconds	00:01:00:00 – 00:01:09:24
Black	10 seconds	00:01:10:00 – 00:01:19:24
Local Clearance		
All commercials for transmission in the UK & Ireland should conform to Clearcast guidelines and be submitted to Clearcast in the following format: Video - MPEG-2 MP@ML 4:2:2, 720x576, 25fps, 8Mb/s CBR, Upper field first Audio - 48KHz, MPEG Audio Must include a clock before active commercial		
Special Instructions		
<u>NO AUDIO ON SLATE - ANY AUDIO ON SLATE WILL BE FAILED AND NEW MATERIAL REQUIRED</u> There MUST be 12 frames of silence at the start of the commercial and the end. Adstream can manage all copy clearance in this region through their sister company, The Traffic Bureau. <u>Please contact an Adstream representative for more details. Clock to resemble ABC/DEFG100/030</u>		