



Video and Audio Standards for Contents Submitted to the SBC

This document provides a concise summary of the requirements and standards for the submission of content for broadcast on the SBC's channels.

(Content refers to any video or audio programmes, of any length, format or genre (including music, adverts and spots))

1.0 VIDEO Requirements

1.1 All Video content should be **FHD (Full High-Definition)** quality

1.2 Full High-Definition standard

- a) 1920 x 1080 pixels in an aspect ratio of 16:9
- b) 25 frames per second
- c) The HD format is fully specified in MXF OP1a

1.3 The aspect ratio must be 16:9

2.0 AUDIO Requirements

2.1 Audio loudness must be normalised at the **-12dBFS nominal/average digital** level. (Equivalent to 0dbVU Analogue)

2.2 The audio compression rate shall be:

- a) **HD**: 1152 Kbps, 48KHz, 24 bits PCM

3.0 Delivery and File Format Requirements

3.1 All content must be fully editorially and technically checked and ready for transmission prior to delivery to SBC

3.2 The preferred delivery method is via USB memory sticks or downloadable links (e.g wetransfer, dropbox)

3.3 The preferred file format is **.mp4**

3.4 SBC shall nonetheless accept the following formats:

- a) **.mxf**
- b) **.H.264 (MPEG-4 AVC)**

4.0 Summary of Technical Requirements

| | |
|-----------------------|---|
| | <u>Full High Definition (FHD) Content specification</u> |
| Format : | MXF OP1a (container) |
| Codec: | MPEG-2 422 |
| Video bitrate: | 50.0 Mbps |
| Resolution: | 1920 x 1080 |
| Aspect Ratio: | 16:9 |
| Frame rate: | 25 fps |
| System: | PAL |
| Audio: | 1152 Kbps, 48KHz, 24 bits PCM |