
CHUM TELEVISION: MUSIC SERVICES

Technical Specifications for Music Video Delivery

GENERAL

- All **NTSC Standard Definition** master videotape recordings shall be delivered on **Digital Betacam** or **BetacamSP**
- All recordings shall be of the highest standards and technical quality consistent with industry standards acceptable for commercial network television broadcast in North America
- Video tape media shall be of the highest professional quality, recent manufacture, "first usage", and protected by suitable packaging
- All program materials shall be specifically labeled regarding: artist, video title, audio (2 channel mixed stereo, 2 channel mixed mono audio), closed captioning, subtitled, aspect ratio, etc.

BARS & TONE / TIMECODE

- **SMPTE standard LTC longitudinal Drop-Frame** timecode shall be recorded continuously from the beginning of the reel to the end and not pass through zero at any point
- **SMPTE standard Colour Bars** and 1kHz Tone (-20dBFS / 0 VU) shall be recorded on all tracks for at least 30 seconds beginning at **00:59:00:00**
- Colour Bars & Tone shall be an accurate reference and representation of the video and audio levels
- Slate shall include; Artist, Title, TRT (Total-Run-Time), Director, & Production information
- Minimum 2 seconds (60 frames) colour black shall precede first-frame audio/video
- First-frame audio/video shall begin at **01:00:00:00** (hr:min:sec:fr)
- A minimum of 30 seconds of colour black shall be recorded after video ends (with timecode)

VIDEO / AUDIO

- Video shall not include any Key, Bug, or Text Overlay (i.e. artist/title key, copyright. etc.)
- Standard Definition **4:3 full-frame** or Standard Definition **16:9 Letterbox/4:3 full-frame** is required
- **Anamorphic** format is not acceptable
- Video Set-Up (Black Level) shall be at **7.5 IRE** units
- Closed-captioning (when available) shall conform to EIA/CEA-608B and be recorded on **line 21**, field 1 of the vertical blanking interval
- DialNorm (overall average loudness or dialogue volume) shall be **-24dBFS**
- Transient Audio Peaks shall average at **+10db** above reference tone (ref tone = -20dBFS)