



**ABBREVIATED TECHNICAL SPECIFICATIONS**  
**Revised July 21, 2010**

1. **ZoomerMedia's** formats of choice for delivery of programs are HD-CAM, IMX, Digital Betacam, Beta SX, DVC PRO-50, DVC PRO, and Beta SP.
2. Reference colour bars and tone at the head of each tape must be a true indication of the program's chroma, video, pedestal & phase, and audio levels. At least 40 seconds of bars and tone is required.
3. Slates, including series and episode title/number, program length and audio information, must follow bars & tone at the head of each tape. A slate should last 10 seconds. Please include 10 seconds of black between the slate and program start.
4. Stereo programs must have a stereo mix on left and right audio channels. Split track audio is not acceptable (ie.: music and f/x on channel 1, v/o on channel 2).
5. Program audio for monaural programs should be on both audio tracks 1 & 2.
6. Audio for Descriptive Video should be on audio tracks 3 and 4.
7. Dolby C encoded programs shall conform to standard Dolby procedures and shall have both box and cassette labeled as Dolby C encoded.
8. **ZoomerMedia** will not accept Dolby A, B or DBX systems on any format.
9. **ZoomerMedia** will accept Dolby Surround Pro Logic and Dolby Pro Logic II encoded programs.
10. SMPTE 525/60 compensated vertical interval and linear time and control code (drop frame) time code should be present and continuous from start of tape to 60 seconds after the end of the program. Time code should be first generation on master videotape.
11. Closed captions must be encoded on line 21 of the vertical blanking interval (VBI).
12. Videotape labels should include the series and episode title/number, program length, and information pertaining to audio track assignment, noise reduction, recording standard (NTSC), closed captioning if present, Descriptive Video audio if present and tape generation.
13. Canadian Paid Programs (e.g. Mosaic) should include Production year, CANREC # and Episode number.
14. Licensed program content length should not exceed 45:00 minutes in an hour, and 22:00 minutes in a half-hour, unless otherwise specified in the Agreement.
15. Paid Program (e.g. Mosaic) content should not exceed 57:00 minutes in an hour, and 28:30 minutes in a half-hour, unless otherwise specified in the Agreement.
16. **ZoomerMedia** places a channel bug in the lower right corner of the screen. Producers must avoid using the lower right screen area for any graphics within the Program which could be potentially covered by the Station ID bug. This includes but is not limited to lower third graphics containing guest names, contact information, promotional information in the form of pop-ups or crawls and/or screen credits.

The full version of **ZoomerMedia's** Technical Specifications is available upon request.