WETA Technical Specifications and Deliverables for Broadcast and VOD

| **BROADCAST MASTER** | **REQUIREMENTS** |
|---|---|
| File Format | Sony XDCAM HD422, .MXF OP1file with embedded closed captions |
| Resolution | 1920x1080i |
| Frame Rate | 29.97 fps |
| Chroma Sampling | 4:2:2 |
| Video Codec | MPEG-2 Long GOP, 25 Mbps |
| Closed Captions | Both 608 and 708 captions are required and must be embedded in the .MXF video file |
| Audio | 8 channels; 24-bit; 48KHz sampling rate |
| Title Safe | All essential text/graphics must remain within title-safe margins |

| **STREAMING FILE** | **REQUIREMENTS** |
|---|---|
| File Format | AVC (H.264) MPEG (.mp4) file with total stream bitrate of 15Mbps |
| Video Codec | AVC H.264 |
| Frame Rate | 29.97 fps or original frame rate |
| Frame Size | 1920x1080p |
| Closed Captions | Closed captions cannot be embedded into the .mp4 file and must be provided as a separate sidecar file. Accepted caption formats are .DXFP, .SCC, .XML and .TTML |

| **ADDITIONAL DELIVERABLES** | **REQUIREMENTS** |
|---|---|
| Short Description | 90 characters or less, including spaces |
| Long Description | 400 characters or less, including spaces |
| Mezzanine/Thumbnail Image | 16:9 (1920x1080) .JPG Max file size 2.5MB |
| Poster Image | 2:3 (2000x3000) .JPG Max file size 2.5MB |
| Background Image | (3840x2160) .JPG or .PNG Max file size 2.5MB |
| Trailer | Requested but not required. |