



# IPSC 2016

## Independent Productions Selection Committee TECHNICAL SPECIFICATIONS FOR OUTSIDE PRODUCTIONS

### TECH SPEC OVERVIEW

#### HD Video File Specs for RMPBS Broadcast

- Wrapper/File Type: MXFOP1a
- Codec: XDCAMHD 25 NTSC
- Image Size: 1440 x 1080
- Frame Rate: 29.97 frames/second
- Field Order: Upper First
- Aspect: HD Anamorphic 1080 (1.333)
- ECC / Embedded Closed Captions (Caption Sidecar)

#### Audio Specs

- Audio Codec: Uncompressed
- Sample Rate: 48000 Hz
- Channels: Stereo
- Format: 16-bit

#### Length

- 00:26:40 for a half hour show
- 00:56:40 for an hour long show
- 00:86:40 for an hour and a half long show

### TECHNICAL STANDARDS

#### Audio Basics

At Rocky Mountain PBS, audio levels are measured primarily using peak meters (Dorrough hardware meters and Adobe Premiere software meters are examples of peak meters). In-house standards dictate that audio levels should have an **AVERAGE PEAK** anywhere between -24db and -16db on a peak meter. **The MAX. PEAK is -12db.** Videos submitted that consistently peak above -12db or average at -12db will be tech rejected.

Consistent audio levels mixed for two channels (stereo) are expected. Please do not mix VO or SOT to one channel only. Center Pan all audio or stereo is required for audio.

#### Video Basics

Be sure to monitor your program's video levels using your editor's built-in software vectorscopes and waveform monitors. Videos that have colors or gamut out of range, or that fall outside of the 0-255 black-to-white output window will be tech rejected. For Adobe Premiere users, the "Fast Color Corrector" effect allows a quick "global" change (all shots) that can easily bring a video back into spec.

## CLOSED CAPTIONS

The FCC requires that all programs airing on any Rocky Mountain PBS service, including V-Me and Create, must be closed captioned. Producers submitting programs for air on Rocky Mountain PBS are responsible for the closed captioning of their program. If the producing party has not already hired an offline closed captioning vendor, RMPBS recommends using 3Play Media ([www.3playmedia.com](http://www.3playmedia.com)). A typical 30 minute show can be captioned for approximately \$70.

### File Stitching

Rocky Mountain PBS requires producers to **embed** FCC-compliant 608/708 closed captions to programs submitted for RMPBS broadcast. For producers/editors not familiar with embedding closed captions, RMPBS recommends obtaining .mcc caption sidecar files from their offline caption vendor. Non-linear edit systems (Adobe Premiere, Final Cut, Avid Media Composer) with software updated within the past two years should be able to import the .mcc file (.scc files will also work, but are not preferred) into an edit timeline and embed or “stitch” the captions to the video output file upon export. Editors should consult their software information manuals if unfamiliar with the process.

## SLATES

All video files submitted for air on Rocky Mountain PBS are **required to have slates**. A file should have **eight seconds of slate** followed by **two seconds of black** before the program’s first video/audio. Basically, a 30-second file is created for a 20-second spot, or a 40-second file is created for a 30-second spot, etc. Slates are required to have the following information: RMPBS House ID, name of the video/program, TRT, submission date, and contact/editor info. Independent producers may obtain a RMPBS House ID number for their program from the RMPBS Director of Programming, Debbie Brennan ([debbiebrennan@rmpbs.org](mailto:debbiebrennan@rmpbs.org)).





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#### FILE NAMING CONVENTION

All files submitted to Rocky Mountain PBS for broadcast should be labeled **ONLY** with the House ID number (e.g. HTRO0001.mxf) obtained from Sydney Sullivan at Rocky Mountain PBS. It is very important that the file name **ONLY** contain the House ID, as that number is the way the program is referenced by our traffic and automation systems. It is also important that **ALL LETTERS IN THE TITLE ARE CAPITALIZED.**

#### PROMOTIONAL SPOT

In addition to your full program, please submit a :20 or :30 spot with :05 music tag at the end so that Rocky Mountain PBS can promote your show on air. For example, a 00:00:20 promotional spot can have :15 seconds of copy, with the last :05 minutes a continuation of the music with no narration or other audio. The file format is the same as noted above. An example can be viewed here:

<https://youtu.be/p-kmo-91m4c?list=PLd1csdWoPwT47gmBo6kBiWOPpfi0y9XF5>

#### UNDERWRITING RULES

PBS has strict guidelines for how you can acknowledge and recognize funders. Programs not adhering to the PBS Standard will be rejected. Please see requirements online:

[http://bento.cdn.pbs.org/hostedbento-prod/filer\\_public/PBS\\_About/Producing/Red%20Book/Underwriting%201.2011\\_1.pdf](http://bento.cdn.pbs.org/hostedbento-prod/filer_public/PBS_About/Producing/Red%20Book/Underwriting%201.2011_1.pdf)

For further questions, please contact:

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