

# 2011 BANFF MOUNTAIN FILM COMPETITION: TECHNICAL SPECIFICATIONS

## FOR ENTRY PURPOSES:

All entry forms MUST be accompanied by one polyboxed DVD-R NTSC (Region 1 coded) which will be used for pre-selection purposes.

## IF YOUR FILM IS SELECTED AS A FINALIST:

For the purpose of judging and public screening, finalists will be required to provide a master copy of the production.

Production attributes should conform to typical broadcast standards and include:

- 90 seconds of leader which include black, SMPTE colour bars and black with either 0 dbvu (analogue) or -20dbFS (digital) audio tone signals.
- Please remove commercial blacks and include a production slate prior to the program start.
- 7.5 IRE Pedestal Black (preferred for NTSC).
- Maximum 105% IRE peak whites.
- Program start commences on the time-code hour.
- Program tail of two minutes of black.
- Native 16:9 aspect ratio is preferred. Do not Letterbox or Pillarbox the content as all SDTV content will be upconverted to HDTV.
- Digital content should be submitted with 16 bit, 48kHz audio.

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In order of preference, formats must be:

## Digital Cinema Package (2D or 3D DCP)

Contact our film coordinator for these specifications:

[banffmountainfilms@banffcentre.ca](mailto:banffmountainfilms@banffcentre.ca)

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The Banff Centre video post production facilities are predominantly based on Avid technologies although we also can support Final Cut Pro project files. Our current preference is to screen HDTV content at the film festival and to master from digital files as opposed to video tape although either type of submission is satisfactory.

## **HDTV**

We will accept the following uncompressed digital file types **on an external hard disk drive**:

Avid DNxHD 220, Avid DNxHD 145, Apple ProRes 422 HQ, (**NOT ProRes 422 LT**) or QuickTime.mov files utilizing the DVCPro HD or Animation codec.

Render your project file to the following high definition resolution: either 1920x1080 or 1280x720 using square pixels.

Any of the following frame rates are acceptable: 23.98, 24, 25, 29.97, 50 or 59.94 FPS.

(Our preference is 1920x1080 @ 59.94 FPS)

Color space = 709 or RGB (tell us what type of specification your file is)

Audio encoding should conform to 16 bit, 48 kHz stereo.

## **SDTV**

NTSC (525) ((D1, BT.601 specification))

Native 16:9 aspect ratio is preferred. Do not Letterbox or Pillarbox the content as all SDTV content will be upconverted to HDTV. If the content is 4:3 it will be Pillarboxed on upconversion by Banff.

Screen size = 720 x 486 with a pixel ratio of 1.2.

Color space = 601 or RGB (tell us what type of specification your file is)

If you export your file using square pixels this will allow you to view the material within QuickTime – the viewer will go widescreen. To do this create your file with a 864x486 screen size. This specification is supported by the Avid codec using the uncompressed setting.

Audio encoding should conform to 16 bit, 48 kHz stereo.

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PAL (625) ((D1, BT.601 specification))

Native 16:9 aspect ratio is preferred. Do not Letterbox or Pillarbox the content as all SDTV content will be upconverted to HDTV. If the content is 4:3 it will be Pillarboxed on upconversion by Banff.

Screen size = 720 x 576 with a pixel ratio of 1.4.

Color space = 601 or RGB (tell us what type of specification your file is)

If you export your file using square pixels this will allow you to view the material within QuickTime – the viewer will go widescreen. To do this create your file with a 1024x576 screen size. This specification is supported by the Avid codec using the uncompressed setting.

Audio encoding should conform to 16 bit, 48 kHz stereo.

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**In addition to your project file, it is imperative that you send us an electronic text document that informs us:**

- What format was the production shot on?
- What format was the production mastered to?
- What is the productions' native screen size?
- Is the production Interlaced or Progressive (i or p)?
- Is the productions' color space 601, 709 or RGB?
- What is the productions' native frame rate?
- What is the productions' duration?
- Was the production created using a MAC or PC?
- What version of editing software are you using?

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**Video tape submissions will also be accepted. Formats in order of preference are:**

DVCPProHD

Panasonic HD-D5

HDCam

Digital Betacam (525 or 625)

HDV (any encode)

Betacam SP (NTSC or PAL)

DVCam (525 or 625)

MiniDV (NTSC or PAL)