

## Technical specifications for contractual deposit of digital film elements

This document includes the technical specifications of the film elements that are to be delivered to the Swedish Film Institute according to *the Declaration of deposit by contractual obligation*. For auxiliary material, please see *Technical specifications for contractual deposit of auxiliary material*.

The film elements required are an uncompressed master and an unencrypted distribution copy.

If no uncompressed master exists, the producer can after consulting with the Swedish Film Institute deposit a compressed master.

If the film in question has a non-Swedish main production company, an unencrypted distribution copy will suffice.

### Uncompressed master

#### *Image*

The image shall be uncompressed and unencrypted in the highest available resolution, in the correct aspect ratio, and with the same image frequency with which the post-production was carried out.

The image shall be delivered in a sequential format:

File format:	DPX TIFF
Bit depth:	10 bits 12 bits 16 bits
Color space:	RGB Rec 709 (full range) RGB DCI P3 sRGB XYZ 1931 CIE

Information on color space shall be accompanied with information for which display the gamma is optimized.

If no color space and display gamma is indicated, the deposited element will be considered as Rec 709 with a display gamma of 2.4, but archived as "RGB unknown color space".

The files shall be structured in separate folders labelled with title.fileno.extension:

film\_title.0000000.dpx

The file number shall consist of no less than seven digits. If the film is divided into reels, each reel shall be delivered in a separate sub-folder.

### ***Sound***

File format: WAV (PCM) as separate mono files

Bit depth: 16 bits/sample  
24 bits/sample

Sample rate: 48 kHz  
96 kHz

The sound files shall be labelled with title, image frequency, type of mix (stereo, 5.1). Different mixes shall be delivered in separate folders.

Sound and image shall be of exactly the same length, and in sync. The first frame in the sequence shall be the first frame of action. No leaders or sync beeps are to be included.

### ***Subtitles***

Subtitles shall be delivered as separate files, and correspond to the image frequency and length of the image. If the master is divided into reels, the subtitles shall also be delivered in reels. Non-separable (burnt-in) subtitles on the image are not accepted.

File format: Cinecanvas XML V1.1  
SRT

### **Compressed master**

#### ***Sound & image***

If the post production of the film is carried out in such a way that elements according to the above specifications are not available, a ProRes file (4444 or 422HQ) may be accepted as a master, though only after consultation with the Swedish Film Institute. The same requirements regarding aspect ratio, image frequency and subtitles apply however.

### ***Extras***

The Swedish Film Institute also accepts other delivered elements, if considered relevant. These may include:

- Cleans
- Sound mixes in different image frequencies and channel configurations
- Non-required Subtitles (i.e. in other languages or formats)
- Trailers

## **Unencrypted distribution copies**

Distribution copies are to be delivered as an unencrypted DCP and as a ProRes file (4444 or 422HQ). For films not released in cinemas, a ProRes file will suffice.

If the film was released with Swedish subtitles, these shall be included in the deposited distribution copies.

The subtitles may be included in the image (burnt-in), and not delivered as separate files.

## **Delivery**

All material is to be delivered on a hard-drive or on a USB memory-stick. Hard-drives shall have an interface for either USB 3.0 or FireWire 800. The drive shall be labelled with the title of the film, and how the drive is formatted (Mac, NTFS (Windows) or Linux). A power adapter shall be included, if the drive requires one.

No other material than what is required as deposit by contractual obligation shall be included on the drive. Masters and distribution copies may be delivered on the same drive. Material to other departments of the Swedish Film Institute (for pre-view, screening, international release etc) has to be delivered separately. However, contractual deposit elements to multiple films may be included on the same drive, as well as auxiliary material.

Delivery has to be made to the Swedish Film Institute's dispatch center. All deliveries have to be notified in advance via e-mail to [Sakmat-film@sfi.se](mailto:Sakmat-film@sfi.se). Upon receiving such a notification, the Swedish Film Institute will issue an element ID with which all packages shall be labelled. A confirmation of delivery will be issued by the Swedish Film Institute via e-mail upon reception. The Swedish Film Institute will not be responsible for any material which is delivered without previous notification and which is packaged without correct labelling.

The Swedish Film Institute is obliged to inspect and notify its approval/non-approval of the deposited elements within 30 working days after receiving the material.

The Swedish Film Institute does not return hard-drives and USB memory-sticks after the transferring of the data. If requested, these can be picked-up at the Swedish Film Institute's dispatch center within 30 days after the approval of the elements.

Delivery address:

Svenska Filminstitutet  
Att: Säkerhetsmaterial (film)  
Borgvägen 3  
115 53 STOCKHOLM

The dispatch center is open on weekdays 08.00h – 15.00h.