



SOFA Screenings Workshop

November 17, 2021

Hosted by FVASA & SMPTE



Overview

Workshop 2 (Today)

- How to prepare your film for submission
- Thorough Tier 1 & 2 overview
- Calendar and important dates



All of Today's Information & MORE

fvasa.cad.rit.edu/documentation

fvasa.cad.rit.edu/screening

fvasa@rit.edu



The Screenings Process



Pre-Production

What format best suits your story?



Production

Create your film with the appropriate format



Post - Production

Make sure that your picture & sound are formatted correctly for screenings



QC & Submission

Watch your film, make changes, submit!





Utilize the Handouts

Screenings Checklist

How To Prepare for SOFA Screenings

Curious about what you need to do to prepare your film for screenings? Follow the steps below and you'll be on your way!

All documentation mentioned can be found at fvasa.cad.rit.edu/documentation
Email questions and concerns to fvasa@rit.edu

Read the screenings policies

Take a quick look through the policies document; it will tell you everything you need to know about the [screenings](#) options, requirements, and submission policies.

MSS-2191-01P: SOFA Screenings Policies

Attend the screenings workshops

Each semester, FVASA & SMPTE will host two different screenings workshops - one at the beginning of the semester to review screening options/policies and one towards the

Submission & QC Policies

Screenings Submission & QC Policies

Please refer to this document for important info regarding submission & QC policies. More information can be found at fvasa.cad.rit.edu/documentation

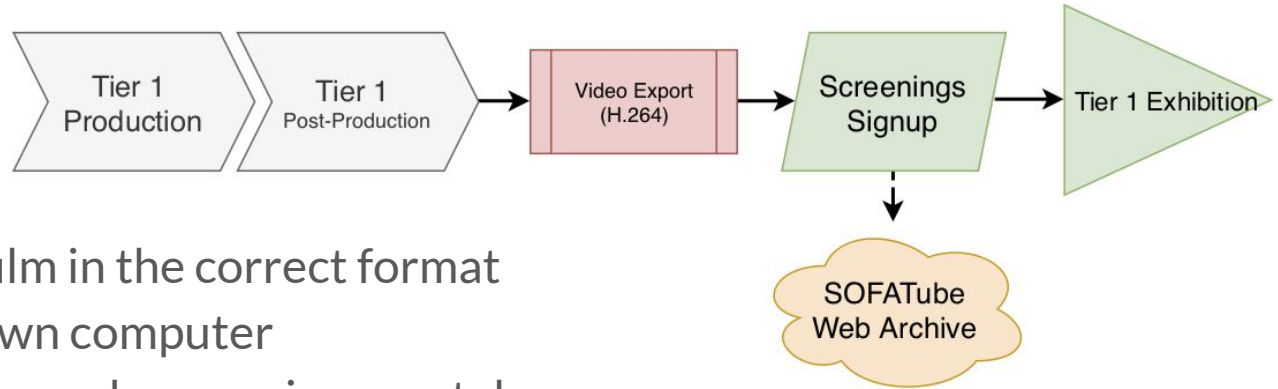
Submission/QC Schedule (see website for dates & details)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Nov 24	25 SofaTube Submission Open	26	27 No Class	28 Thanksgiving	29 Thanksgiving	30
Dec 1 Last Week of Classes	2	3	4 Amnesty Ends 10PM	5	6	7 QC Signup Ends 10 AM
8 Exam Week	9 Submission Deadline 10PM	10 Reading Day	11	12 Screenings Begins	13	14

Tier 1

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Tier 1: Preparing For Screenings



1. Export your film in the correct format
2. QC on your own computer
3. Submit film through screenings portal
 - a. Pass the FVASA auto-QC
4. Sign up for a screenings time



Tier 1: Requirements

Resolution	1280x720 or 1920x1080, square pixels
Aspect Ratio*	16:9
Frame Rate	23.98/24/29.97/30 <i>progressive</i>
Sound	Stereo, bitrate-limited (320 kbps), no LFE
Compression	H.264, Interframe & Intraframe Compressed
Container	MP4
Color Bit Depth, Chroma Subsampling	8 bit, 4:2:0
Display Gamma, ColorSpace	2.2, Rec709
WhitePoint, Luminance	D65, 100 nits



Tier 1: Export

- Watch your film!
- Adobe Export Presets
 - Contain correct export settings
 - Premiere, After Effects, & Media Encoder
 - Always double check settings



Audio Loudness for Screenings

- Specs to hit:
 - -3 dBFS max peak - *same as before*
 - -27 LKFS/LUFS (+/-2 LU) integrated loudness target- *new!*
- *Playback level penalty for films that do not meet spec!*
- Documentation to help master for this space is available.
- For Pro Tools users, **Izotope Insight** (1 or 2) is recommended for monitoring and analyzing program loudness and peak, while **Izotope Loudness Control** is suited for hard-conforming your final mix.
- For Premiere Pro the **Loudness Radar** is recommended.



Tier 1: Quality Control

- QC on Computer
 - Check your content (image, sound)
 - Check encoding settings
 - Make your your submission **follows the requirements!**



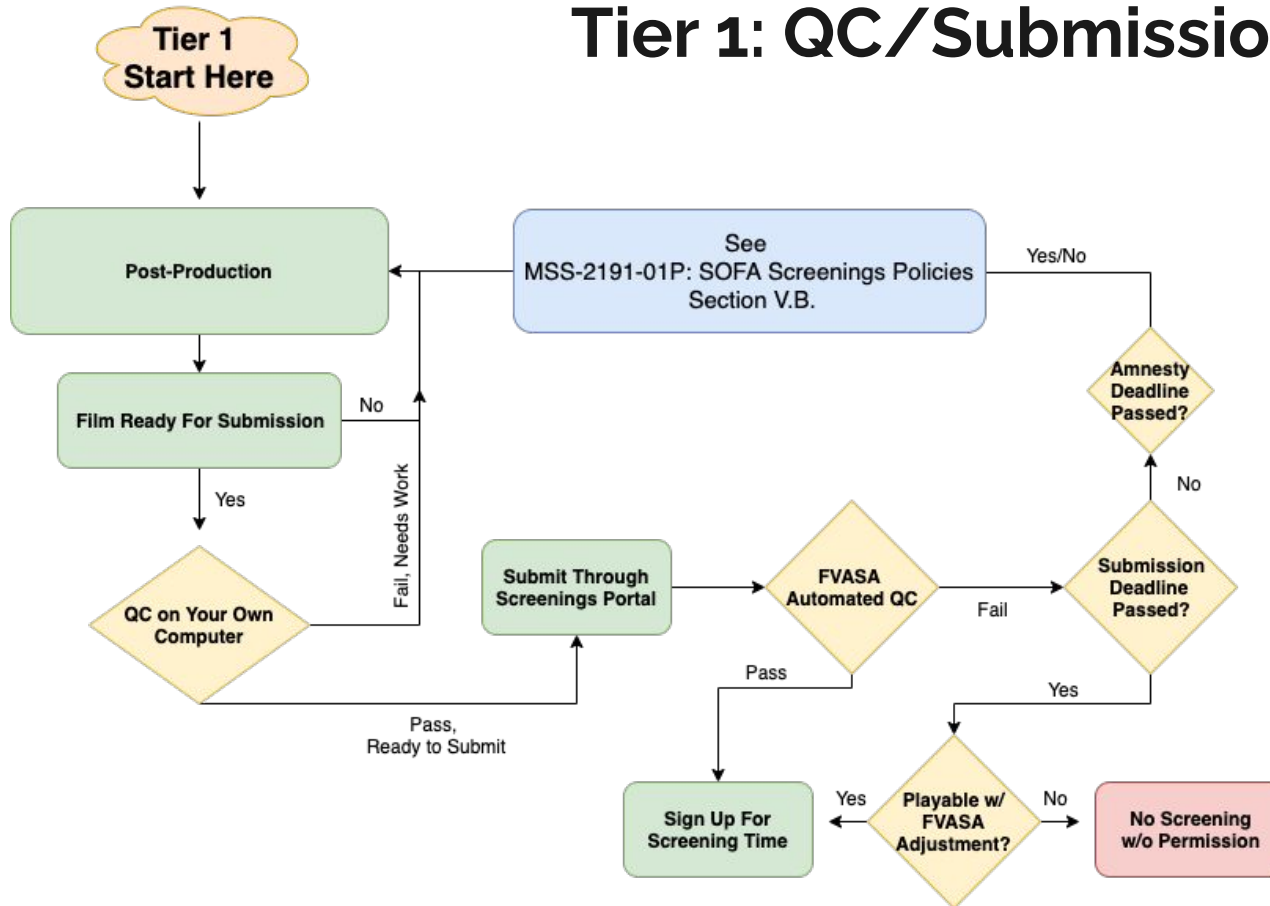
Tier 1: Submission

Don't forget the SOFA Bumper!

Download from SOFATube Website

- Submit through screenings portal
 - <https://sofatube.cias.rit.edu/screenings/landing>
 - Receive ticket for signup
- FVASA QC
 - FVASA checks submission requirements, **audio loudness**
 - QC passes - you're all set!
 - QC fails - you'll be notified, be sure to fix & resubmit!
 - Check the **Tier 1 QC/Submission chart** for resubmission policies

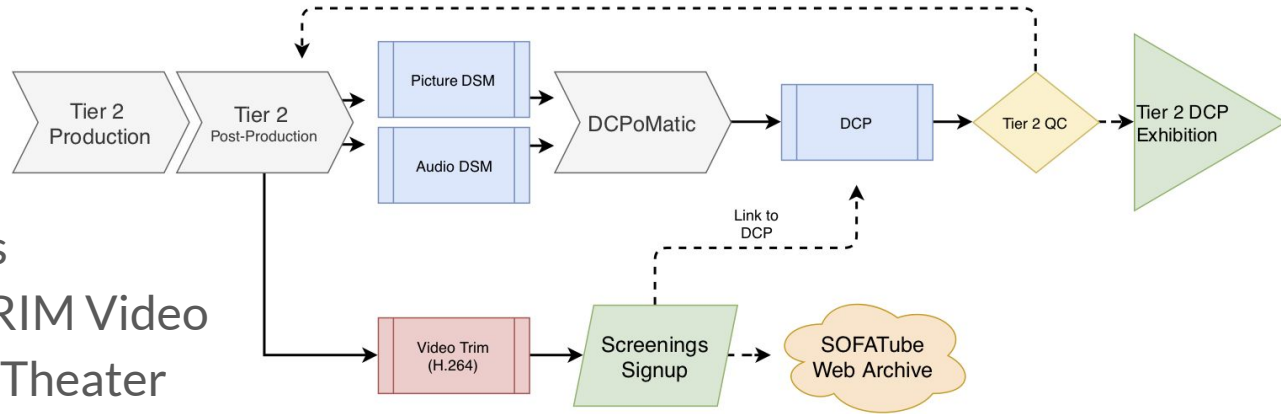
Tier 1: QC/Submission Chart



Tier 2



Tier 2: Preparing For Screenings



1. Create DSM files
2. Create DCP & TRIM Video
3. QC in Wegmans Theater
 - a. Submit films for QC
 - b. Sign up for QC time
4. Sign up for a screenings time

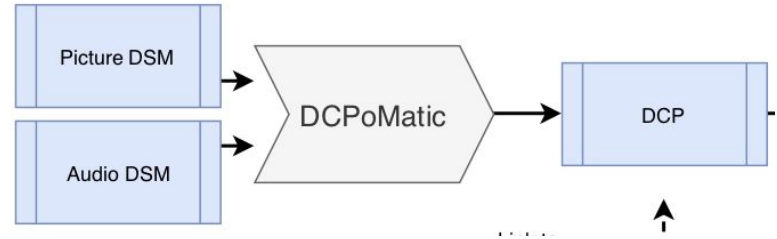


Tier 2: Requirements

Resolution	1998x1080 (DCI 2K Flat) 2048x858 (DCI 2K Scope) 3996x2160 (DCI 4K Flat) 4096x1716 (DCI 4K Scope)
Aspect Ratio¹	1.85 (Flat) or 2.39 (Scope)
Frame Rate	24.0, 25.0, 30.0, 48.0, 50.0, 60.0 <i>No Drop Frame</i>
Sound	Stereo, 5.1, 7.1 - Uncompressed 24bit/48kHz
Format	Digital Cinema Package (DCP) (+ Video TRIM)
Color Bit Depth, Chroma Subsampling	12 bit, None
Display Gamma, ColorSpace	2.6, X'Y'Z'
WhitePoint, Luminance²	D65, 48 nits

Tier 2: Creating the DCP

- Digital Cinema Package (DCP)
 - Two step process
 - Packed w/ DCPoMatic
 - NOT a single file, a collection of files
- Digital Source Master (DSM)
 - Used to create DCP (**ingredients**)
 - 1 DSM for Picture
 - 1 DSM for Sound





Tier 2: DSM Export

- Watch your film!
- Export Picture/Audio Separately
 - Make sure they are synchronized!
- Multiple DSM options for Picture
 - **TIFF** - image sequence @ highest quality, uncompressed, large (**best for color!**)
 - **DNxHR** - single file, compressed, smaller
- Adobe Export Presets
 - For all Tier 2 Formats and Options

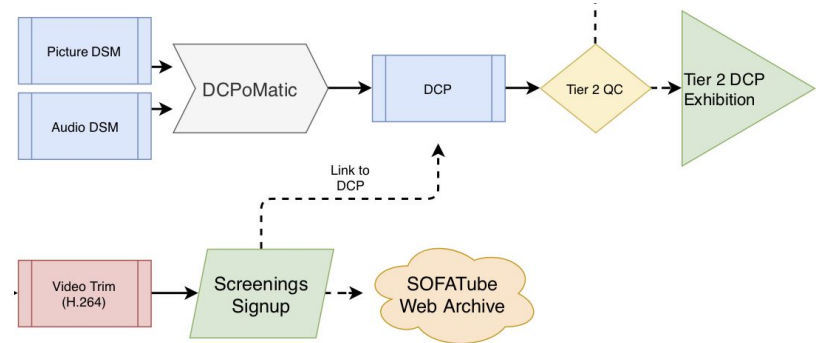


Tier 2: DCPoMatic

- Have DSMs ready
- Combine & Package in DCPoMatic
 - Follow documentation
 - Templates for Tier 2 formats
- When completed
 - DCP sent to FVASA automatically
 - Keep a copy for yourself

Tier 2: TRIM File

- DCP doesn't work on sofaTube
 - Need to create video version
- Use DSMs to Create
 - Combine in timeline (Premiere)
 - Can use Adobe Presets for export
- Follow requirements!





Tier 2: QC

- Submit files
 - DCP submitted through DCPoMatic
 - TRIM submitted through screenings portal
- Sign up for QC
 - Signup sheet @ fvasa.cad.rit.edu/screening
 - Bring submission receipt!



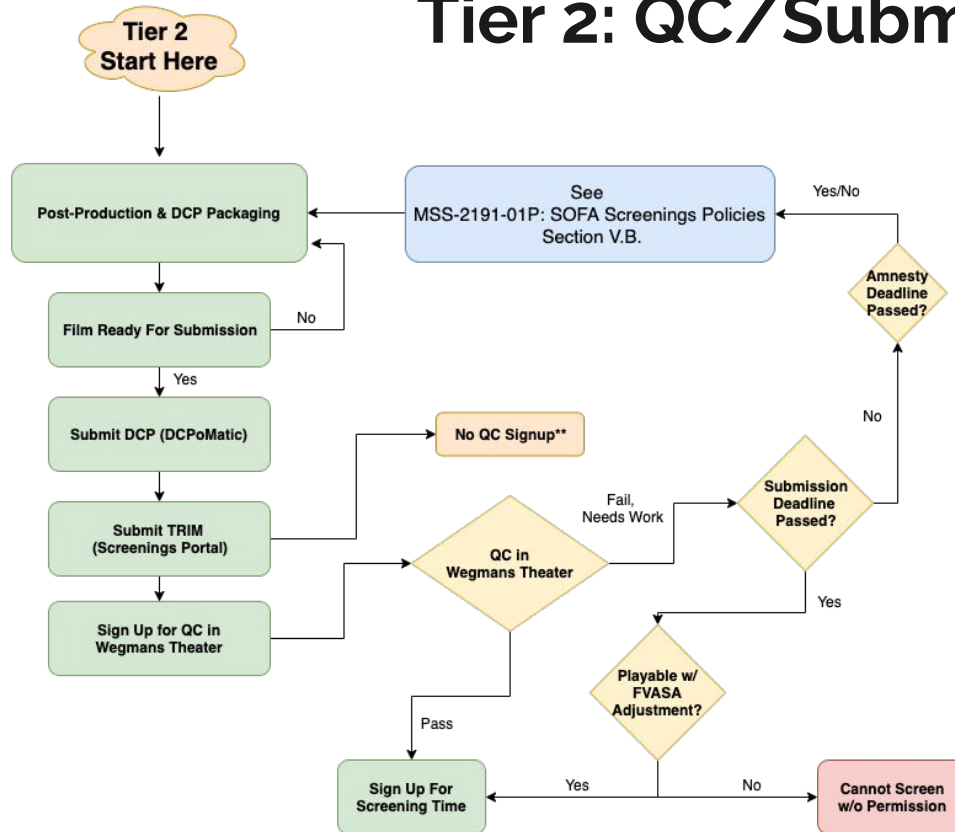
Tier 2: Submission

- QC passes - you're all set!
 - You've already submitted!
 - Sign up for screenings time
- QC fails
 - Be sure to fix & resubmit
 - Check the **Tier 2 QC/Submission chart** for resubmission policies

Don't forget the SOFA Bumper!

[Download from SOFATube Website](#)

Tier 2: QC/Submission Chart



** Tier 2 films that do not QC in Wegmans theater are subject to the FVASA QC. In such a case, the student will be notified if the film passes or fails. In the event of a failed QC, if the student has the ability to resubmit they may do so following the policies outlined in MSS-2191-01P and Policy 9.7 of the SOFA handbook.



Screenings QC & Submission Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Nov 21	22 SofaTube Submission Open 8AM	23	24 No Class	25 Thanksgiving	26 Thanksgiving	27
28 Last Week of Classes	29	30 QC starts	Dec 1 Amnesty ends at 6PM	2 QC	3 QC	4 QC
5 Last day to QC!	6 Submission Deadline 10PM	7 Reading Day	8	9 Screenings Begins Dec 9-12	10 Screenings	11 Screenings

Signup:
fvasa.cad.rit.edu/screening

Submission Open: Nov 22

- Start Submitting Films

Amnesty Ends: Dec 1 @ 10 PM

- No Guaranteed QC or Technical assistance after this point

Signup Opens: Dec 6 @ 8PM - 10PM

Submission Deadline: Dec 6, 10 PM



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