AVID – How To Export an .aaf and QuickTime export to Davinci Resolve After Relinking to 2K or 4K Native files

NOTE THIS IS NOT A RELIABLE WORKFLOW IF YOU HAVE ANY OTHER CODECS IN YOUR TIMELINE.

IF YOU HAVE FOOTAGE IN YOUR TIMELINE THAT WAS RECORDED ON THE Canon C100 (AVCHD,) (not C300 that is okay) Sony A7s (.mts) or F3 (AVCHD) or Canon 5D or 7D (.h264) or Panasonic HMC150 (AVCHD) or any other camera that does not record ProRes or DNxHD or DNxHR then don't use this workflow. Use this workflow

AVID - How to Export an AAF and QuickTime To Davinci Resolve 1080 HD workflow

This is for projects with footage that was shot using the Sony PMW F5, Panasonic Vencam LT or that was recorded on a PIX or Ninja or on the Arri internal SXS cards using the ProRes codec.

1. Duplicate the sequence and put in a new bin.
2. On the duplicate delete any titles you made in AVID. Try to get all your video clips down to the V1 track and or V2 track. If you can get the video track down to one that is easiest.
3. Next attempt to modify the video tracks down to 1 or 2 tracks if possible.

4. NEXT - Export DnxHD Quicktime for "Resolve" as reference
See this wikidoc How to make a DNxHD QuickTime

NOW PREP AND EXPORT THE TIMELINE FOR RESOLVE FOR COLOR GRADING

1. Close project and hide the AVID media files so that AVID doesn't relink to the old transcoded media. Change the name to the AVID MediaFiles folder.

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**Source Browser**

Go to > Tools > Source Browser

Relink to the Storage volume that has the raw .rdp or prs or the Sony F5X AVCHD files again.
Locate the original Native ProRes moves Quick Times or XAVCHD or r3D etc.

Click on Link
The clips will lead to the bin, however from each card you link the card is linked and
All the Linked files will load up in a new folder when you choose the default settings.

When ready to online reconnect to the native ProRes files.

Select all AMA FILES in the AMA folder

Right click the sequence to relink and choose Relink
Right click the sequence to relink and choose Relink.
1. Use the standard relinking options after the AMA media has been mounted

   Choose
   Selected Items in All open bins

   Choose to relink by Tape Name or Source file Name

If that doesn't work choose

Choose to relink by Tape Name or Source file ID
Change the timeline Clip Color to show AMA clips as a different color so you can make sure you are linked to the "Native" ProRes .mov QuickTimes

Go to the Timeline "fast menu"

Choose Clip Color
Choose a color for the AMA clips and make sure the "checkbox" is checked for Linked Clips.

Notice in this timeline only part of the clips turned purple. You should have the entire timeline show purple clips so that you know all the clips are relinked.

On AVID timeline, you can Match Frame>Find Bin>Reveal File to double check the files are relinking back to the original ProRes files.
Once the media in the timeline is relinked to the ProRes .mov files the timeline should look purple (or whatever color you chose for AMA in clip color) showing that the files are relinked to AMA media. You now need to remove any “Color Transformation s” or Resizing that you did in AVID because you want Resolve to have the most original version of the media. Select the timeline in the bin > Go to Clip > Refresh Sequence > All. This will remove all the LUTS, Resizing, TimeWarps etc… Note here if you have a timewarp effect (slo mo or speed up) it’s best to “Bake In that shot.” What this means is export that shot with the motion effect as a “ProRes” QuickTime and then bring it back in and overwrite that clip in the sequence.

Check to see if your timeline has any multicam edits. Right click the timeline and choose Commit Multicam Edits.
1. Click OK here on this message. The sequence will be copied and the group edits committed.

2. If you don’t have any grouped clips then no modifications will be made but it is good to check because Resolve won’t work with an .aaf that is exported from a sequence with grouped clips.

3. The next step is to export the .aaf. Go to >File >Export.

4. Note when exporting a .aaf for a "ProRes" AMA linked timeline you can only use the "Link To" method.
To create the .AAF file from a ProRes.mov AMA linked timeline, choose LINK TO on both Audio and Video.

Must have Link To selected as the "Export Method" for both the Video/Data Details and the Audio Details tabs shown here.

The .aaf for the color correction. Example shown here.

You will have to bring all the original "Native" Quicktimes that you relinked the timeline to and this .aaf to the Resolve color correction session. Ex: bring the hard drive with the quicktimes on it and this .aaf file.

The deliverable for the "Resolve" session will be the folder or folders that contain the ProRes .mov files and the .aaf file.

See this link for instruction on how to import the .aaf and media into Resolve.

Davinci Resolve - Final Conform and Color Correction Project Setup - Import .aaf or .xml and Quicktime