Software Release Process

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V0.4

Contents

1 Initial Release
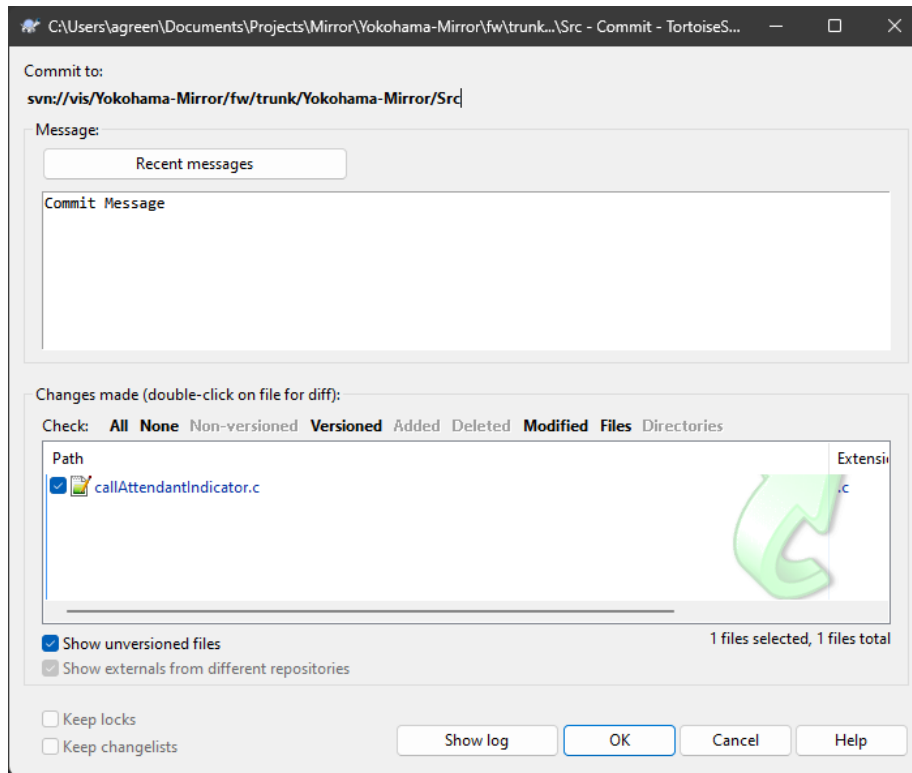
1.1 TortoiseSVN

1.1.1 Check In Code

Checking in code in Tortoise SVN is relatively simple. You can tell that code is modified and needs to be checked in based on the green check mark turning into a red exclamation point.

To check in, right click in the folder and select *SVN Commit....*

The files to be committed will be in the bottom portion of the window, selecting the check box will indicate you wish to commit them. You can double click on the files to bring up a diff between the current and previous versions of the file. When you are ready, type a description of the commit in the upper window and click OK.

1.1.2 Create Tag

To create a tag, go to into the trunk directory and right click and select *TortoiseSVN->Branch/tag....*

The *To path:* on the top is where to create the tag. This should be in a folder in the *tags* folder with the <project>-<version>-<date> format. In the *Log message* section, write a message associated with this tag. And finally, you can click *Show Log* to select the version you want to include in this tag.
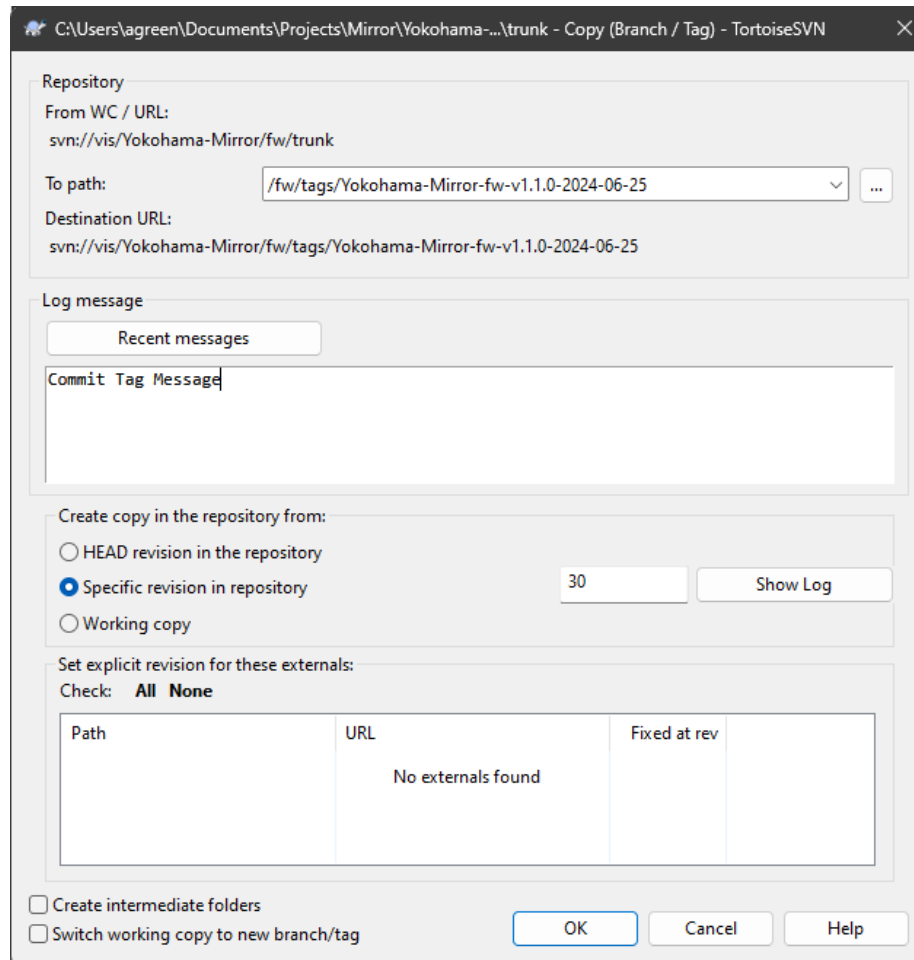
1.1.3 Release

To release software, create a folder in the *releases* folder with the Release_<version number> format. In this folder, create *bin* and *src* folders. Inside each of these folders should be a .zip file (of output files in *bin* and source files in src), a *Software Release Notes* word document, and a PDF of this document. Commit this folder to SVN using the above steps when you finish with this folder.

1.2 SmarTeam

Notoe: It is important to have all documents filled out in the way that they should be submitted before submitting an ECO, because any edits to the files will kick back the ECO to you.

1.2.1 Updating Files

SmarTeam is a bit tricky to get right so follow these steps carefully. First, in SmarTeam, navigate to your project, then the files you with to update (*Design NoteBook->Detailed Design General->Top Level Design General->Software*).
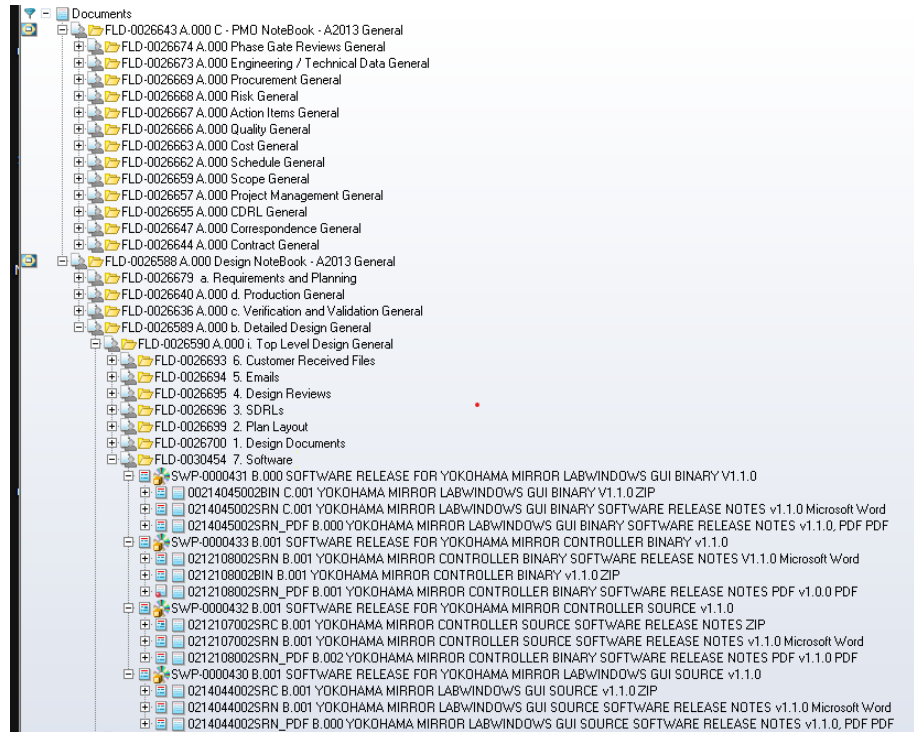
Next, right click on the *SWP* (Software Package) and select *Life Cycle->Check Out*. If this does not exist, you will need to right click on the *Software* folder and select *Add->Design->Software Package* and fill out the information.

Next, right click and select *Update* and update the *DESCRIPTION* and *COMMENTS* on the right to reflect the new version number. Additionally, update the *Part Number* by increasing the number by one. You are actually increasing what is known as the *slash number* which is just the last three digits after the part number. Click OK when done.

Next, right click and select *Life Cycle->Check Out* any files below the *SWP* you are changing, paying attention to the *Destination directory:* field. Click OK when you select the destination.

If the file does not already exist in SmarTeam, right click on the *SWP* and select *Add->Document* and fill out the information similar to the other documents.

Next, navigate to the folder you selected as the destination folder in Windows
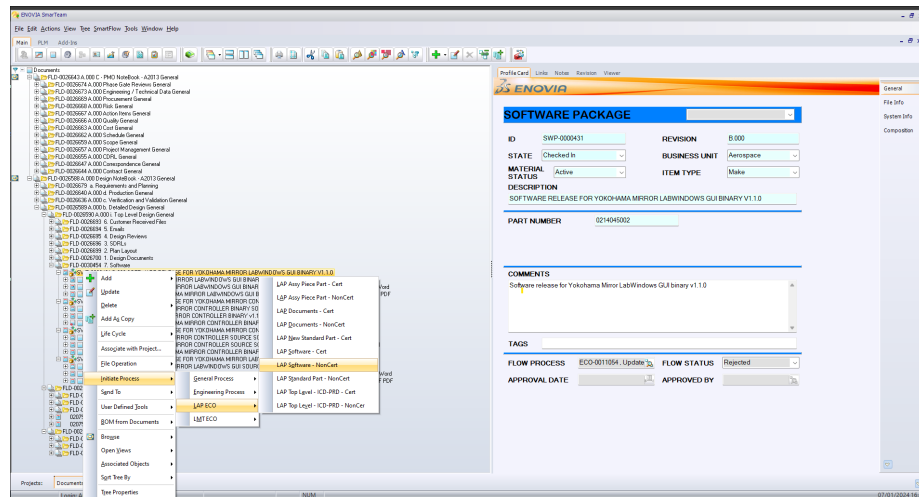
Explorer and replace the checked out files with the ones you created in the *releases* folder above.

Next, back in SmarTeam, update the file similar to the way you updated the *SWP* above by right clicking the file and selecting *Update*. You will need to update the *ID* and *PART NUMBER* by incrementing the slash number and update the *DESCRIPTION* and *COMMENTS* on the right to reflect the new version number.
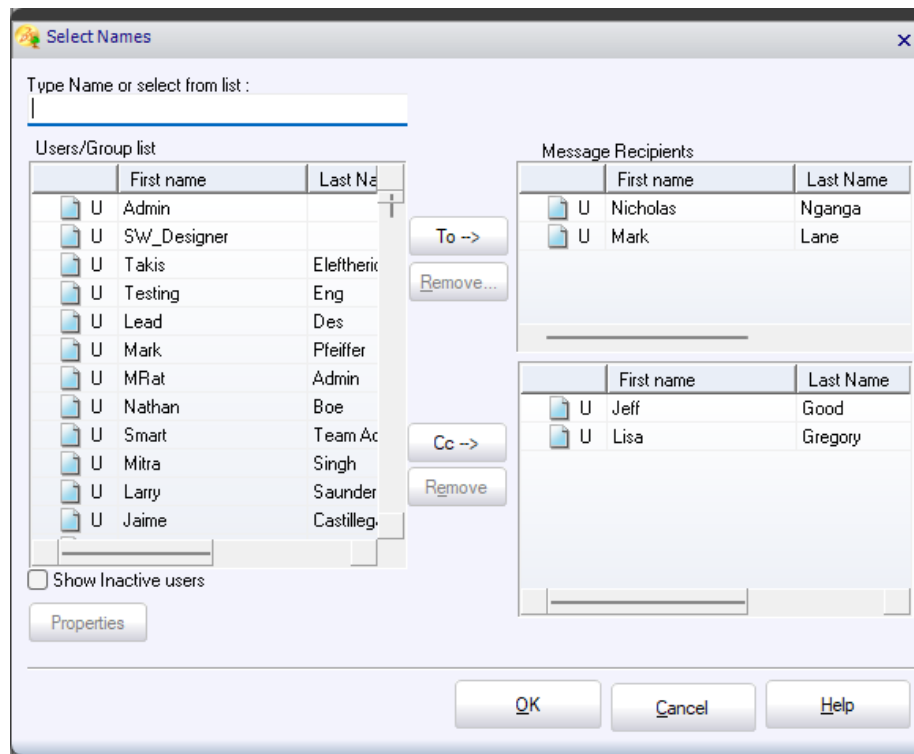
Finally, right click and select *Life Cycle->Check In* when you are done. Add a description of the change and select *OK*.

1.2.2   Submitting an ECO

There should be one ECO submitted per SWP update. When you are done updating all of the files in an SWP, right click on one of the changed files, select *Initiate Process->LAP ECO-LAP Software - Cert/NonCert* depending.


This will bring up the ECO Window.

Your ECO will only have one item to start. Drag the rest of the files, including the SWP, from the Projects Documents pane (where you were checking in and out files) onto the *ECO* item. The structure should look like the above with the documents being a subset of the ECO.

Next right click the *ECO* and click *Update*. Fill out all the fields, the *Description of Change* and *Reason for Change* can be the same. The *Project Number* is the number associated with the project you are in.

Next, select the *Flowchart* tab at the top. Right click the *LAP Peer Review* box and select *Executors*. From here click *Add New...* and add an people that you wish to review or see the the ECO by clicking the *To->* or *Cc->* buttons respectively.

When you are finished, select the *Send To Review* button in the top left and click *OK*. This will pull up an Outlook email which you can go ahead and send. You have now submitted an ECO!

2 ECO Kickback

If an ECO is kicked back to you (rejected) it will show up in your SmarTeam inbox.
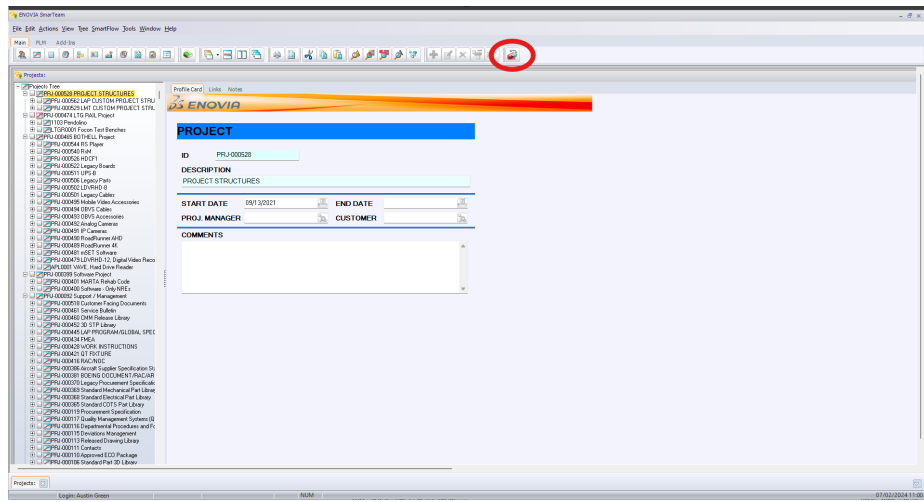
If you double click on the message, it will open up the ECO. Resubmitting the ECO is easy, all the files you submitted are already in there, so if you need to change any go through the same Checkout-Checkin process listed above. Likewise, if you need to add more files, go through the Add files process listed above. Any modified and checked in files should automatically be reflected in the ECO. All you need to do from here is double check that the documents in the ECO are correct, and if not replace them. From there click the *Send To Review* button again.