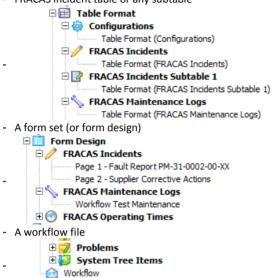
Windchill, FRACAS, set Workflow state in a form by using calculations

Mittwoch, 16. November 2016

This document is thought as a guide on how to configure the workflow option and change the workflow state in a form by using a combo box and a push button. It illustrates the steps, but assumes that in FRACAS an incident table (or any other table) and a basic form exists, so it does not start at the very beginning.

Things you need is:

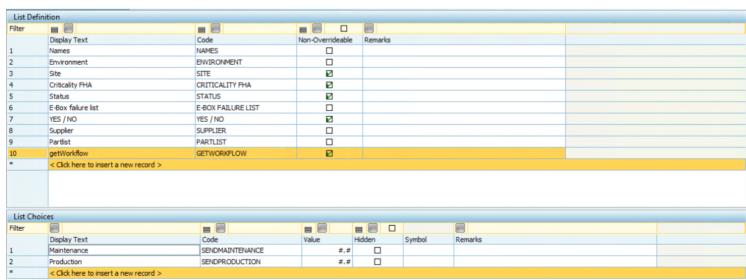
- Windchill FRACAS admin rights
- FRACAS incident table or any subtable



- A lot of patiences

STEP1) I assume the "workflow" is some kind of predefined options and create a CHOICE LIST in the "List Library" -> "List definition". The list is called "getWorklfow".





The list has in this case two choices "Maintenance" and "Production". This will be also the two workflow states later. Close the window when finisehd.

STEP2) Make the "Data Definition" (here we define the field in which the choice list will appear in the xxx-Incident table (my case: Maintenance Log)

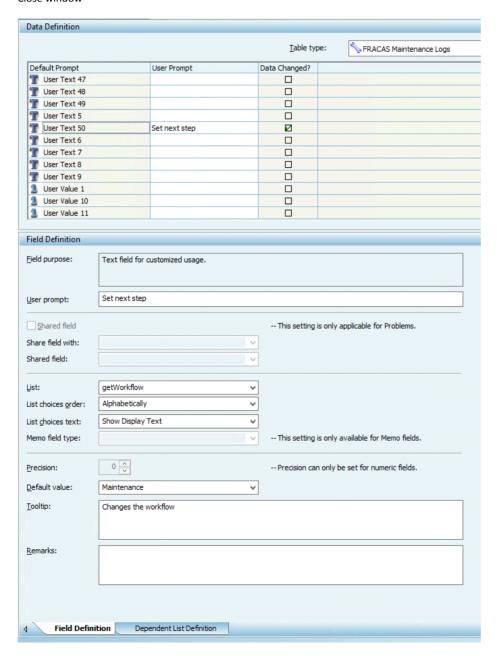
Prediction

Setup



Select in the Data Definition "Prompt" list the field you want to use for the list...I used "USER TEXT 50", It shoudn't be used already for other things, and set the field definitions as required. This means:

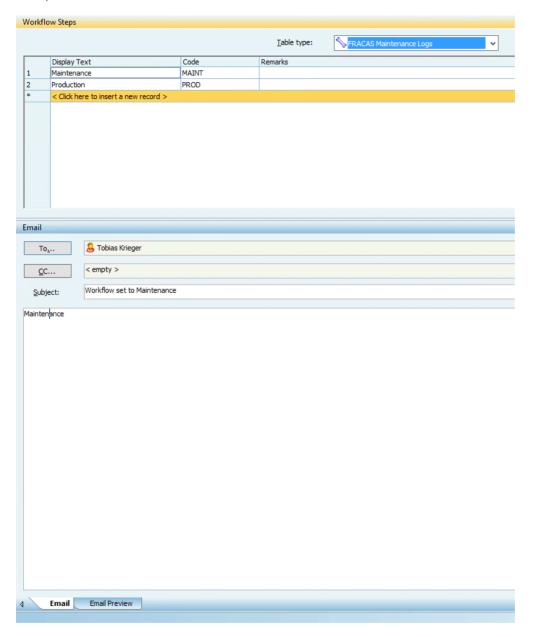
- User prompt...that is the label the user will see
- List...select the before defined list (i.e. getWorkflow")
- Order...as desired
- List choices text...as desired
- Set default value to whatever
- Give a tooltip
- Close window



STEP 3) Define the Workflow.

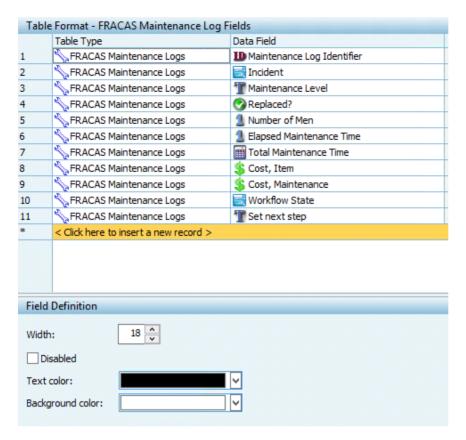
- Select the table type you want to use (in this case I choose my table "FRACAS maintenance log")
- Enter new records (=each record is a workflow change -> this is more or less an email send to a user/user group to inform them that the incident requires some input from them)
- The text field accepts HTML5.0 format
- Data field from FRACAS can be used as reference
- At the end, close window

I define two workflows " Maintenance" and "Production". All other fields are pretty self speaking and not explained in detailed.



STEP4) Add the Field "User Text 50" ("Set next step") from STEP 2 into the (Maintenance Log) Table

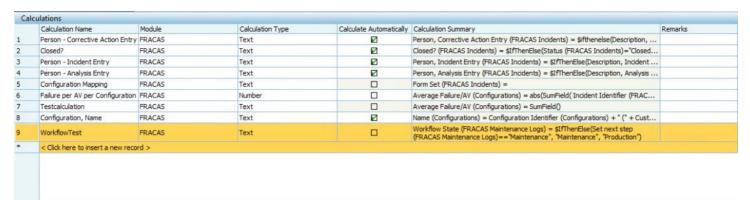
- Table Format
 - o Select "Table Format" below "Maintenance Log Table"
 - o Click "insert new record....."
 - o Select out of the drop down list in the data field the field from step 2.
 - Select out of the drop down list in the data field the field "Workflow State" and disable this field.
 - o Close the window

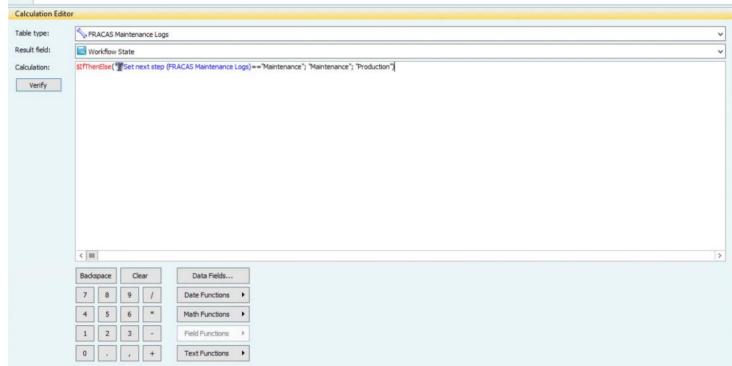


STEP5) Prepare the Calculations for doing something if later in the form a workflow is selected and a push button is pressed.

- Enter a new record in "Calculations"
- Select in Table Type the FRACAS Maintenance Log
- Select as Result Field "Workflow State"
- Enter the following line in the field "Calculation" (assuming that everying is named identically as I did)
 - You can use "Data Fields" and "Text Functions" to combine what you need, use for the "then" and "else" cases the Workflows you want to trigger.

\$IfThenElse([~63.MtlUserText50]=="Maintenance"; "Maintenance"; "Production")



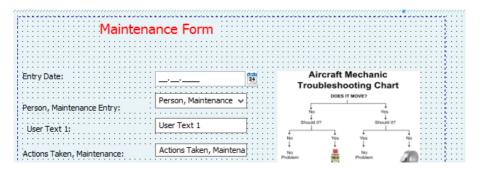


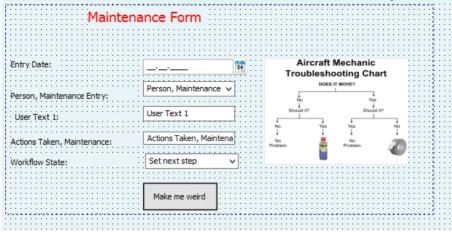


- Close the window.

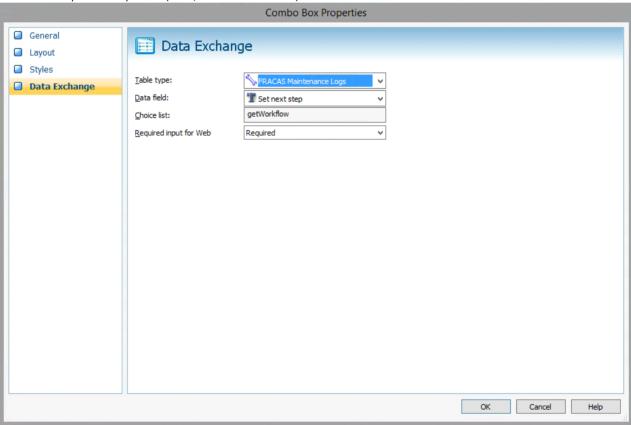
STEP6) Form Design: Add the field and a button to the "Maintenance Log Form"....

- Menu -> "Insert" -> combo box, place it wherever you want on the form

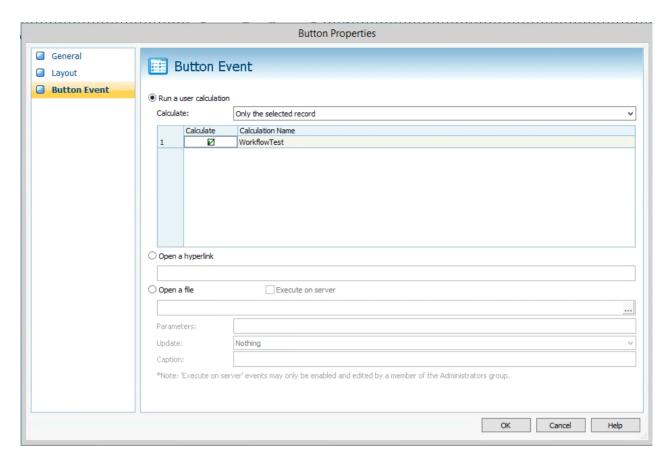




- Right click -> Select "Properties" -> Data Exchange
- o Select Table Type ("FRACAS Maintenance Log")
- o Data field "Set next step"
- o Choice list should be set already
- o Required for input: Yes (or no, whatever is suitable)

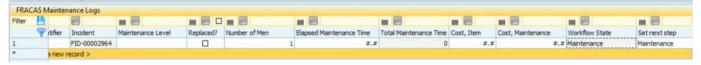


- Menu -> "Insert" -> Button, place it wherever you want
- Right click -> "Properties" -> Button Event
- Select "run a user calculation" (only the selected record)
- Select the in Step 5 defined calculation (Workflow Test)

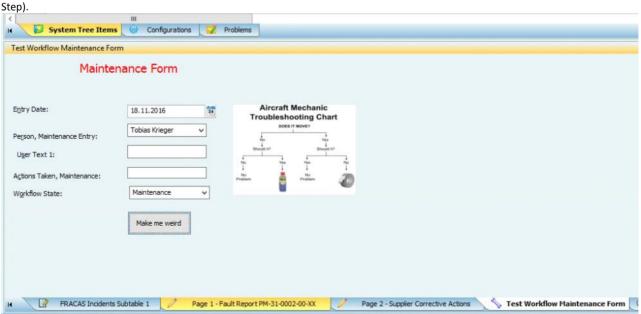


STEP 7) you are finished, time to test.

If everything except the project is closed and saved, go to the table (i.e. FRACAS Maintenance Log) in which you entered the two fields (Workflow and UserText59 (Set next Step). Just check that it is there. Workflow should be disabled. The reason why? Because else you send always immediatelly an email when you change the state....



Next open the form in the project and you should see the "xxxx" Button and the Combo field (Set next



There should be two options available in the drop down menu (which represents the workflow states).

Select one and push the button. A few minutes lates an email should be in your Inbox (or in the inbox of whoever is put in the workflow header) with the right content (This is a maintenance workflow, this is a production workflow).
Greets.,
Tobias