

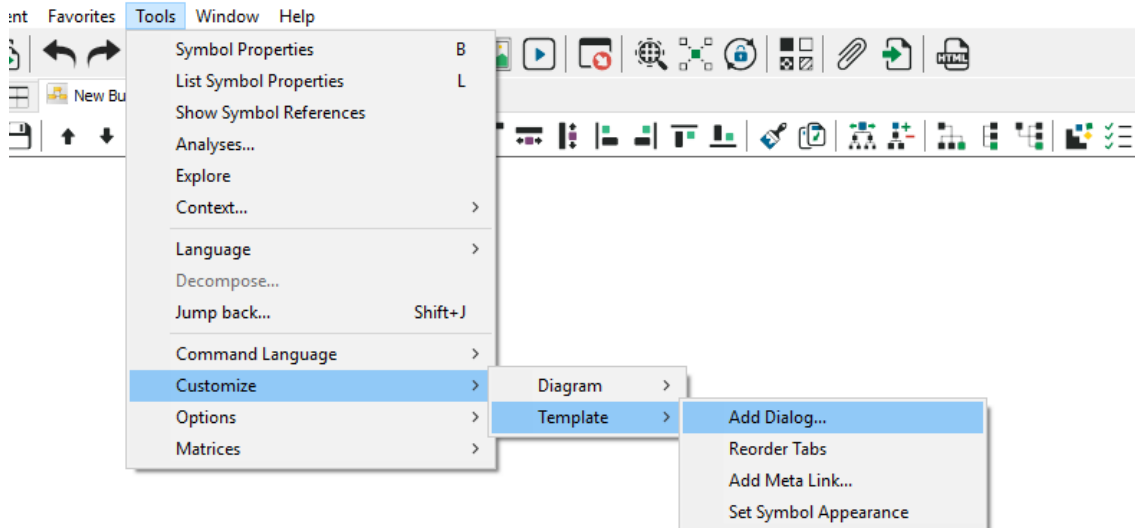
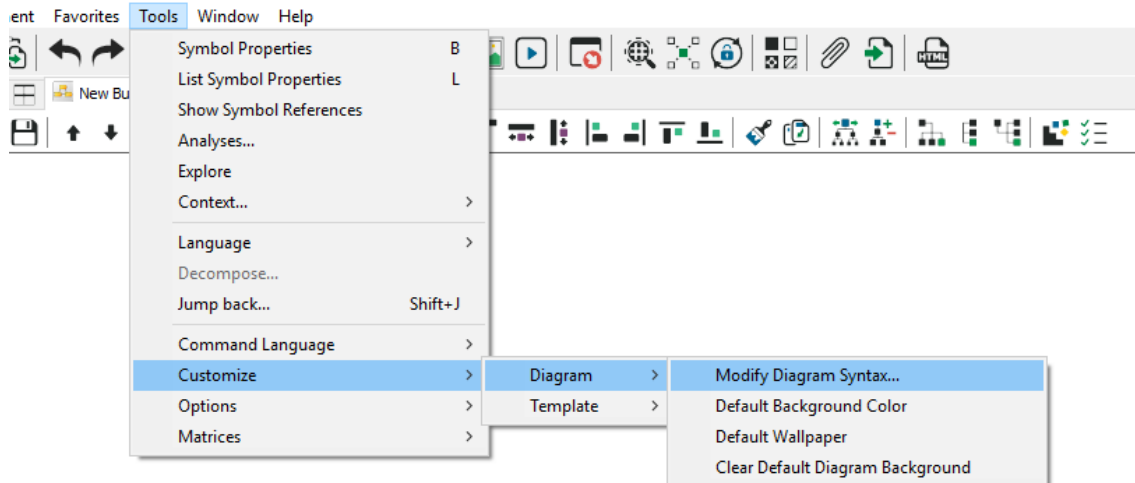
How to change the meta model in QLM using the tools menu

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Customization features

In QualiWare EA select from the menu 'Tools – Customize'. The following options will appear:



Customizing diagrams:

- Modify Diagram Syntax (Add or remove symbols from "Diagram templates"; i.e., changing the Symbol Bar)
- Default Background Color (Set a default background color on diagrams)
- Default wallpaper (Set a wall paper background on diagrams)
- Clear default Diagram Background (remove the default color or wallpaper)

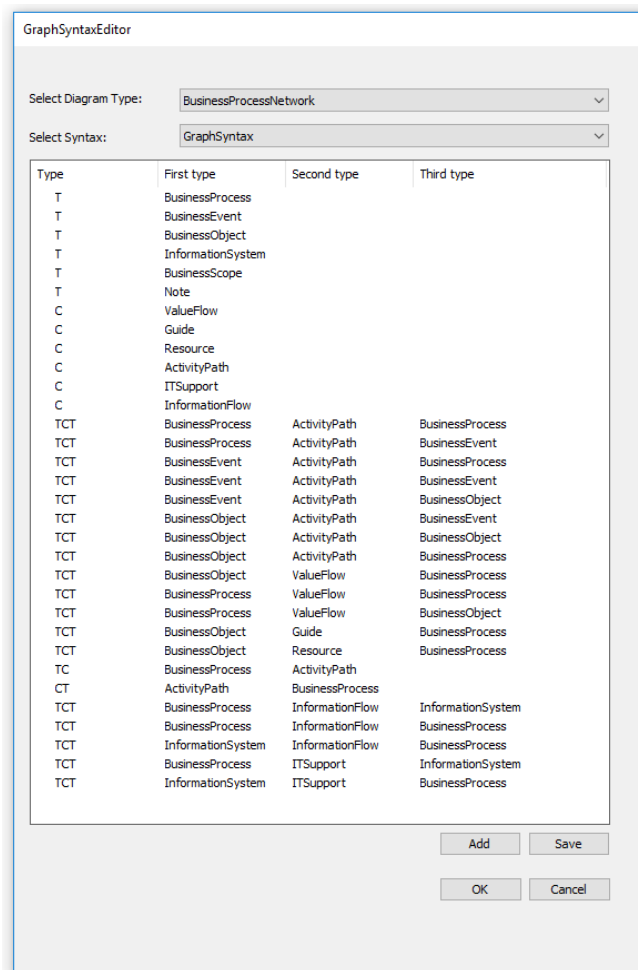
Customizing templates:

- Add Dialogs (Permits the user to add tabs and fields to a template)
- Reorder tabs (Sub-tab sequence can be modified, including the deletion of tabs)

- Add Meta Links (Where link fields are employed for a template, meta links can be modified (added/deleted))
- Set Symbol Appearance (Change the appearance of a symbol for a template)

When modifying metamodel, the results will be stored in a new object of the type QualiWareSetup.

Modify the Diagram Syntax



Select 'Tools – Customize – Diagram – Modify Diagram Syntax...'

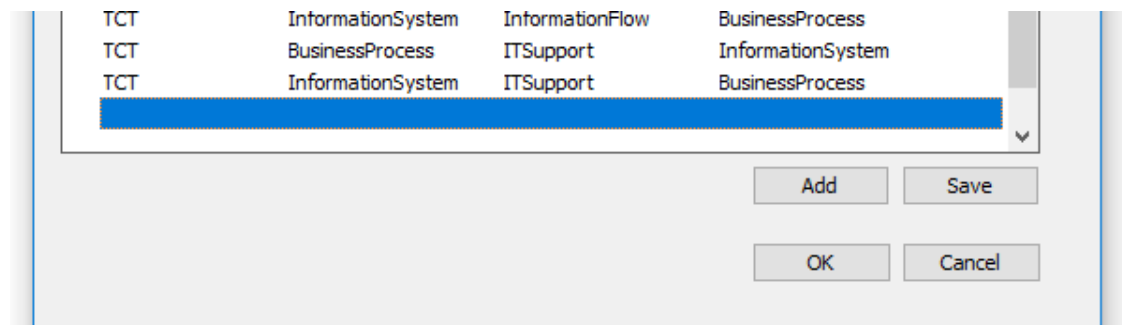
The symbol types and connection types available on a diagram type may be changed in this dialog. Also, the allowed combinations of symbols and connections are defined here. The fields have the following meaning:

- Select Diagram Type allows you to defined which diagram type you wish to set the graph syntax rule for
- There may be more than one syntax for each diagram type making it possible to switch the set of symbols and connections as well as the rules during runtime. For example, the BusinessProcessNetwork also offers the user an extended syntax that allow for the use of a variety of other symbols. This

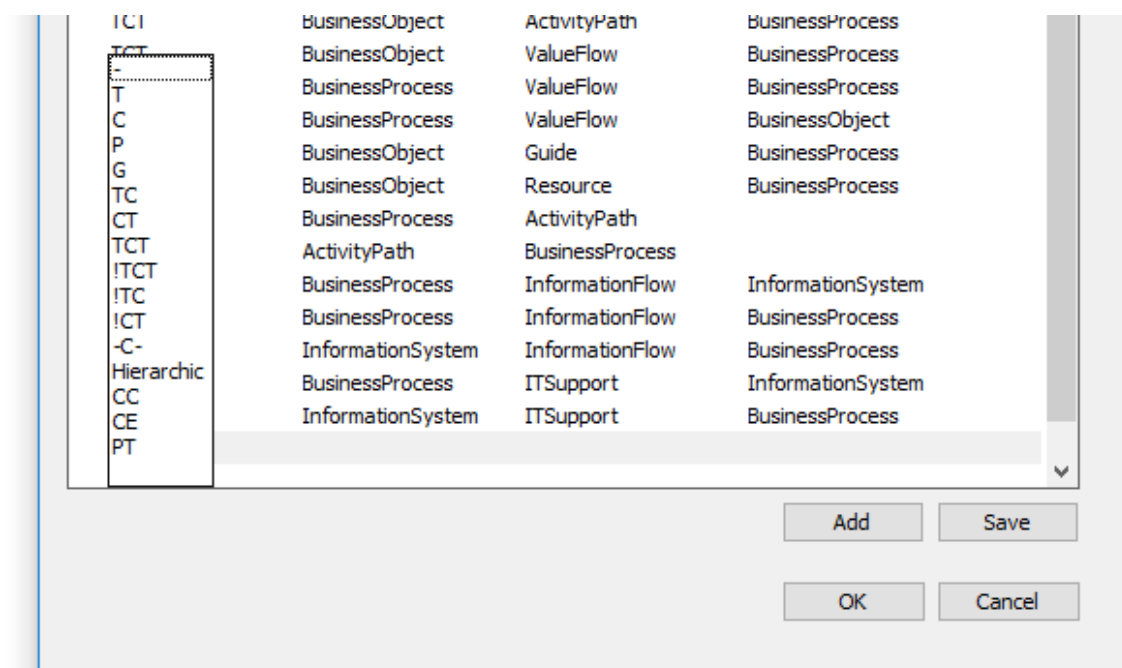
extended syntax may be activated by right clicking on the diagram surface and select 'Actions – Extended Syntax'.

- Add (button) – Adds new line to the list of allowed templates, etc.
- Save (button) – Saves the resulting Diagram Syntax in the repository as a QualiWareSetup object.

When you press the Add button a new line is added to the end of the graph syntax list.



Place the cursor in the first column and click once (or press F2). A set of options appear allowing you to define what type of symbol, connection or rule you need wish to add.



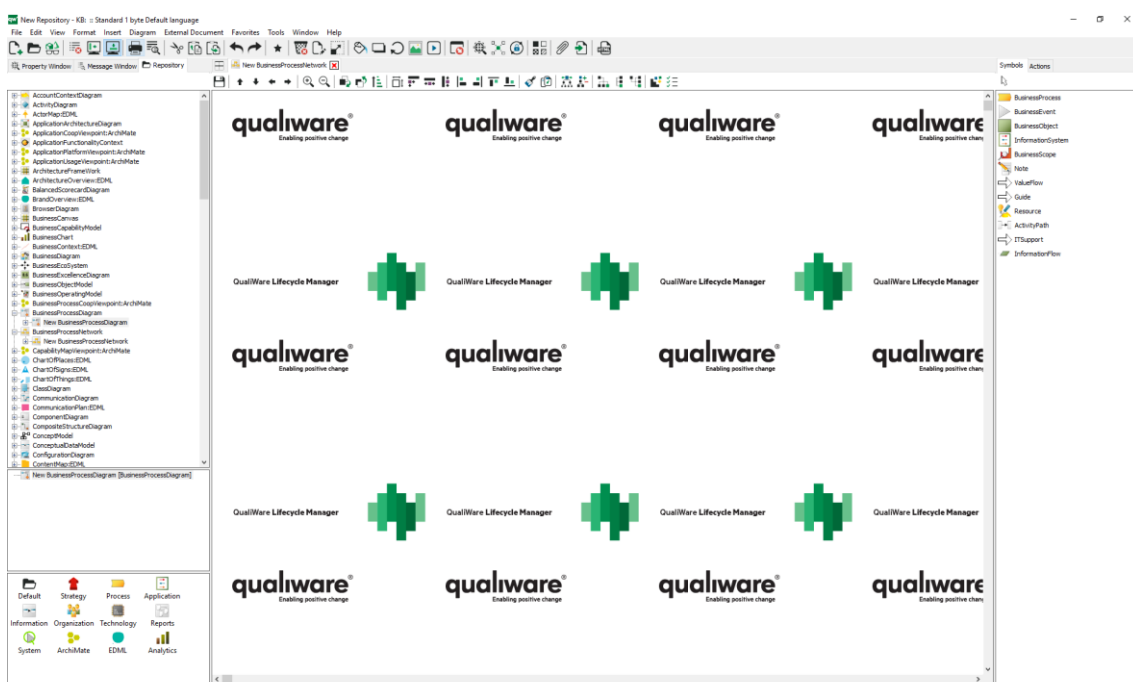
The options have the following meaning:

- T – Refers to a Template (a symbol type) that will appear in the Symbol bar on the right.
- C – Refers to a Connector that will appear in the Symbol bar on the right.
- TCT – Refers to a rule that controls what Template Connects to another Template via a specific connection type. Click in the 'First type', 'Second type' and 'Third type' columns and select the allowed combination of source symbol, connector and target symbol.

- TC – Refers to a rule that defines Template to Connector relationship. This means that the connection can end in an empty space on the diagram. Single click to start the connection.
- CT – Refers to a rule that defines Connector to Template relationship. This means that the connection can start in an empty space on the diagram. Double click to end the connection.
- “-” means the ability to have text title in a row (disabled) so you can’t select it. It is being used when you activate extended syntax to show ‘Core’ and ‘Extended’ as headlines in the symbol bar. This is used to create collapsible groups of symbols in a long diagram syntax.
- G – A ghost symbol that can participate in the graph syntax without appearing in the symbol bar.
- P – Is a port. This comes from the UML 2.x standard where connections into a symbol has different meaning depending on where it enters the symbols. Usually this is when you have a symbol hanging on the perimeter line on another symbol, then this would become a port.
- ! – A specific combination that is NOT allowed. As in !TCT
- CC - would be a connection to connection – This comes from UML 2.x
- CE – Connection to End
- PT – Port to template. It shows what Port templates you can place on the edge of another Template.
- Hierarchic – The diagram will have MoveHierarchic set to 1

Set default diagram background

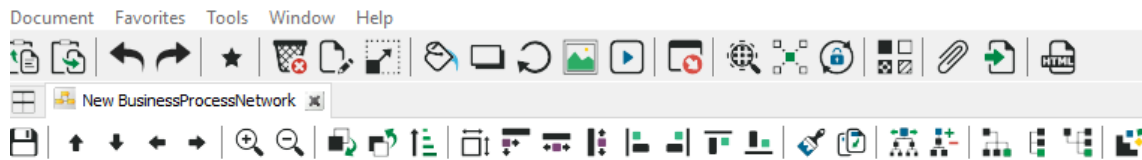
Select ‘Tools – Customize – Diagram – Default Background Color’, to select the diagram background color, or Select ‘Tools – Customize – Diagram – Default Wallpaper’ to select a bitmap, that will be repeated over the entire diagram surface as a background picture (wallpaper).



Add Dialog

Add the dialog:

Select 'Tools – Customize – Template – Add Dialog...'



Add new dialog/template

New dialog name: Invisible

SubDialog for:

Button label:

Dialog size: Width: Height:

Dialog fields:

This dialog is used to create a new template or a new sub-tab (Sub Dialog) to an existing template.

Fields and buttons have the following meaning:

- New dialog name: Enter the name new template or (invisible) name of the sub-dialog. This name can only include letters – no spaces or funny signs. It must be maximum 32 characters.
- Invisible: Check Invisible if this is a sub-dialog to one or more existing templates. If Invisible is not checked this becomes a new template, that will appear in the RepositoryExplorer list of templates. It will automatically get all required sub-tabs such as Audit, Associate group and Governance group, an you will be able to create new objects of this template.
- SubDialog for: Browse and select the template or templates that the new sub-dialog will be applicable to.
- Button label: Enter the label that will appear as the tab-name in the dialog.
- Dialog size: Recommend leaving the values as set as default (if changed, the new sub-dialog will be a different size than the other tabs and dialogs)
- Dialog fields: This field contains a list of fields appearing on the sub-dialog.
- Add: Select Add to add fields to the new sub-dialog
- Test: Select Test when you are don, to see if the dialog appears as expected.
- Save: Select Save to save the definition in a QualiWareSetup object.

Add new field (Choice field):

- Field name: Enter the name of the new field with NO spaces with a max of 32 characters
- Field Type: Browse and select the appropriate field type
- Initial value: Only required when text, choice, or with choice field type is chosen.
- Allowed value(s):
 - If SingleLink or Listview, choose Browse to find the templates to link to
 - If Editline, Multiline then there can be default text entered, or nothing
 - If Choice or WithChoice, then valid values would be shown
- Help line: Text is entered in this field to guide the user on what the field is about (its purpose or intent)
- Field coordinates: Default can remain; changing these values will change the size of the new field
- Prompt: Enter the name that will appear by the field. It is recommended that the name includes a colon (:). This is to make sure that the field name and the prompt are not identical. There cannot be two fields with the same name in a Template (the entire template including all sub-dialogs). This must be checked manually.

Add new field (Multiline field):

Add new field

Field name: (no spaces, max 32)

Field Type:

Initial value:

Allowed value(s) (or meta model links):

Help line:

Field Coordinates

Left: Top: Right: Bottom:

Prompt:

Add new field (ListView field):

Add new field

Field name: (no spaces, max 32)

Field Type:

Initial value:

Allowed value(s) (or meta model links):

Help line:

Field Coordinates

Left: Top: Right: Bottom:

Prompt:

Save the specification.

Add new dialog/template

New dialog name: Invisible

SubDialog for:

Button label:

Dialog size
Width: Height:

Dialog fields:

The result of adding a new sub-dialog to BusinessEvent:



BusinessEvent : BusinessEvent : Rev. 0 : Default

BusinessEvent
Audits
Describe
Associate
Governance
Trigger

Trigger type:
Manual
Automated
Scheduled

What can go wrong:

Stakeholders:

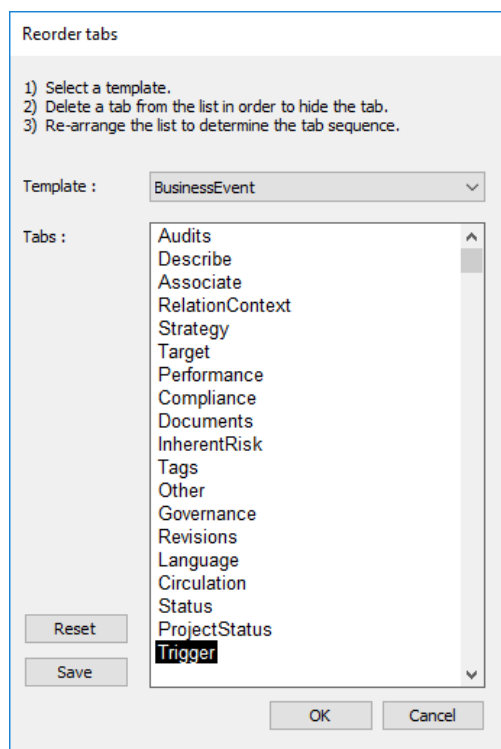
Name	Type
Customer	Stakeholder
Supplier	Stakeholder
Authorities	Stakeholder
Inventory Manager	Position

Reorder Tabs

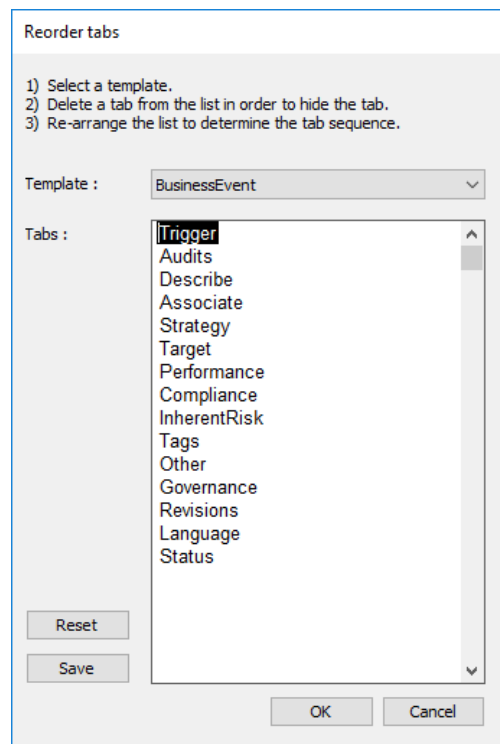
Select 'Tools – Customize – Template – Reorder Tabs'

- Specific to ONE template; Change each one as required
- With dialog open
 - Select Template to change
 - Then delete or re-sequence the tabs
 - Can Reset to default
 - Can Save (Results in a new QualiWareSetup)

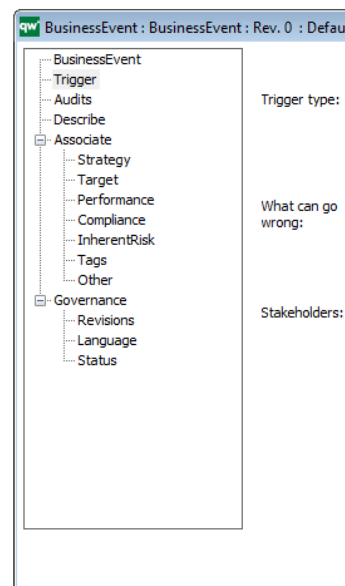
Before



After



In the final template, fields are re-sequenced and some fields are hidden.



Add/change meta links

Select 'Tools – Customize – Template – Add Meta Link...'

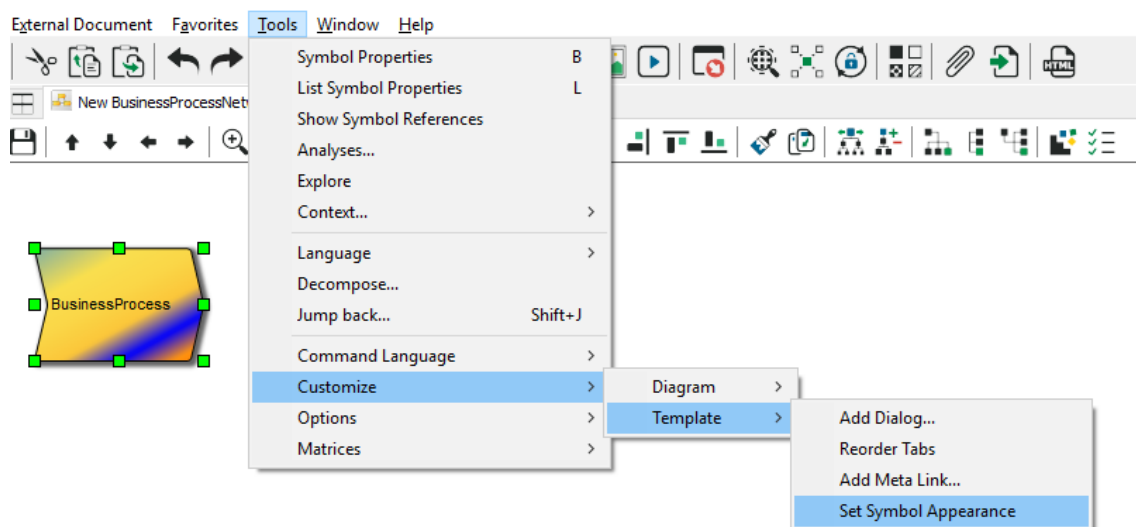
- When sub-window opens...
 - Select Template to be changed
 - Select Link field for the template to be changed
 - Then modify the New meta links field by either deleting template names in the list or select Browse to add more templates as options to link to
 - Select Save and a new QualiWareSetup will be created in the repository

The right options are available when you insert links in the field. In this case four options for Responsibility for a BusinessProcess.

Set Symbol Appearance

Select 'Tools – Customize – Template – Set Symbol Appearance'

- Identify the type of template you wish to change the appearance of
- Change the color of the object, the label or the shadow.
- Select "Tools/Customize/Set Symbol Appearance" or use the "Set symbol appearance as default" toolbar button or choose the "Save as default for the repository" in the change color of object functions
- A new QualiWareSetup will be created in the repository (e.g. DefaultColor_TemplateName)



QualiWareSetup

Meta model changes results in the creation of QualiWareSetup objects.

- A QualiWareSetup includes automatically generated QCL (QualiWare Command Language)
- All QualiWareSetup objects are executed at QualiWare start-up; each time it starts up
- Execution of the QualiWareSetup is controlled by User(s), Groups, and the Role of the User
- With an understanding of QCL, users with supervisor authority can build their own QualiWareSetup objects

