

APIS User Meeting 2016

Tips and tricks provided by the APIS Support team



Global actions - Motivation


There are actions that exist only once, but at the same time could detect and prevent multiple failures. These actions can be defined as „global actions“ within the IQ Software.

Possible operations:

- Creating global actions
- Deleting global actions
- Converting to non-global actions

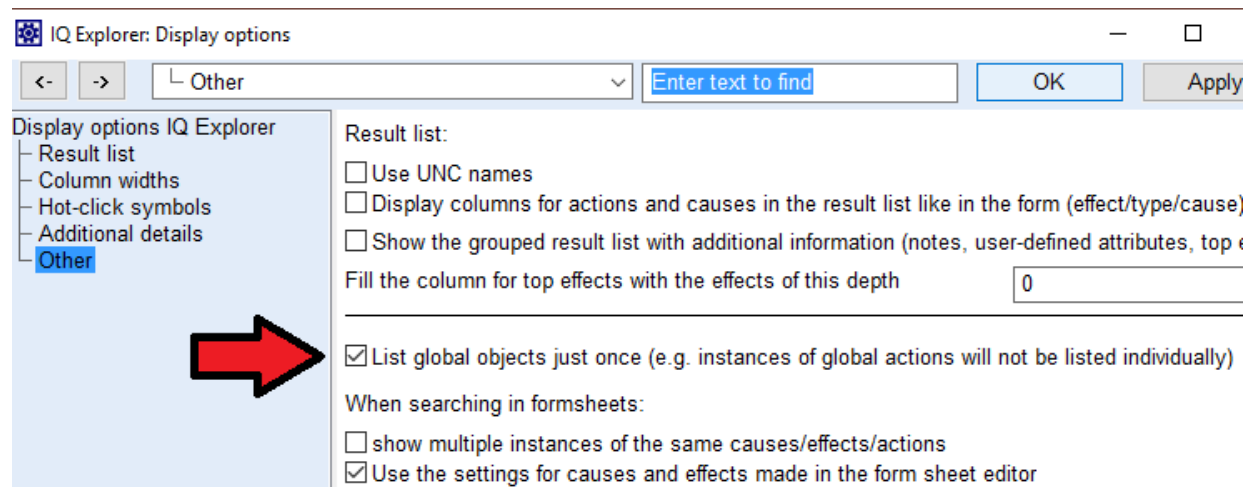
Example:

Outgoing goods test

 24 Hour endurance test {1}

Global actions

Instances of global actions are generally listed just once in each fme file.
This is an optional setting in the Display options of the IQ Explorer.

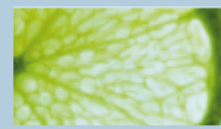


Deadline:

The deadline of a global action is always the same. Variant-specific deadlines are possible.

Responsible:

The responsible of a global action is always the same. Variant-specific responsables are possible



Global actions - non-global properties

Certain properties of global actions are not global.

Most of these properties are either notes or user-defined attributes.

Problem:

How can I assign non-global properties to all instances of a global action?

Answer:

IQ Explorer:

Search for all instances of actions → Select all (ctrl + left mouse click) →
Right-mouse click → Properties → e.g. Notes

Global actions - non-global properties

The screenshot displays the APIS IQ-RM PRO software interface. The main window shows a search for 'stop of production' in the 'stop of production' document. The search results list several instances of the action, each with a status icon (e.g., 'Dea', 'Tes').

A 'Note' window is open, titled '(8 IQ objects)'. It shows the 'Note' tab with the following content:

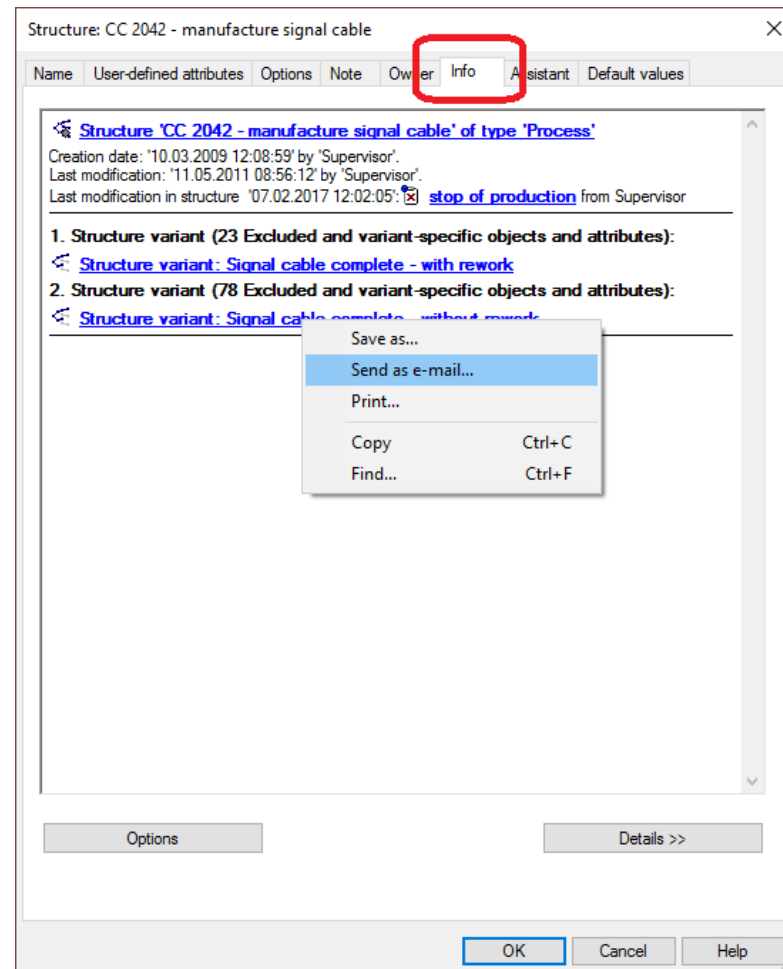
- Category: System
- Notes (English):
- Normal
- Inform shift manager immediately of any stops in production

The 'Note' window also includes a 'Notes categories...' button and 'OK', 'Cancel', and 'Help' buttons at the bottom.

In the background, a table is visible with the following columns: 'element' and 'Function/Charac'. The table contains several rows of data, including 'er cable s...', 'er cable s...', 'ective sol...', 'are workp...', 'able into ...', 'er shieldin...', 'are workp...', and 'ective sol...'.

Infobox

- Open a Management dialog (e.g. Project Management, FMEA Forms Management)
- Select a structure and then go to „Properties“ and select e.g. „Info“ tab.
- Right-click functions:
Print, send as email



User-defined view -- Causes

Selecting multiple cause levels is now possible: Display options → Options II → Causes

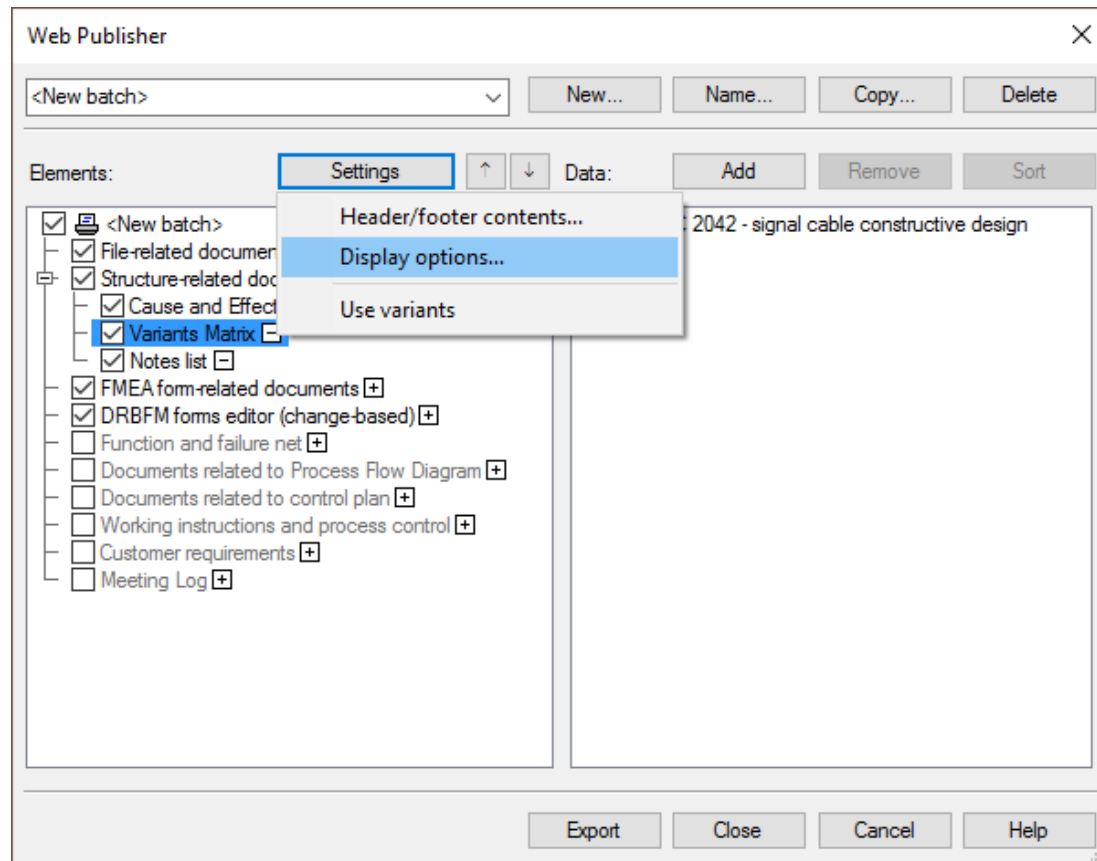
The screenshot shows the APIS software interface. The main window displays a table titled 'User-defined view: User-defined view' with columns: Project, Structure, System element, Function, Characteristic, Failure, and Revision state. The table contains data for 'Cruise Control Unit CC 2042' and '4 CC 2042 - manufacture signal cable'.

Overlaid on the table is a dialog box titled 'User-defined view: Display options'. The dialog box has a left sidebar with a tree view showing 'Display options User-defined view' with sub-items: Focus column, Column widths, Attributes, Disabled columns, Options, Options II (selected), Options III, and Sort. The main area of the dialog box is divided into two sections: 'Effects' and 'Causes'. The 'Causes' section is highlighted with a red box. It contains four radio button options: 'All' (selected), 'Direct causes only', 'Root causes only', and 'Direct causes and root causes'. The 'Effects' section also has four radio button options: 'All', 'Direct effects only' (selected), 'Top effects only', 'Direct and top effects', and 'Only the effects with the highest severity'. The dialog box has 'OK' and 'Apply' buttons at the top right.

Project	Structure	System element	Function	Characteristic	Failure	Revision state
Cruise Control Unit CC 2042	4 CC 2042 - manufacture signal cable	Operator	appliance lock is fully closed {1}		appliance lock is not closed properly {1}	Initial state
		Appliance	holds plug body without damaging it {1}		4.2.2.a.1 appliance lock damages plug {1}	Initial state

Presentation print / Webpublisher- Separate Display options

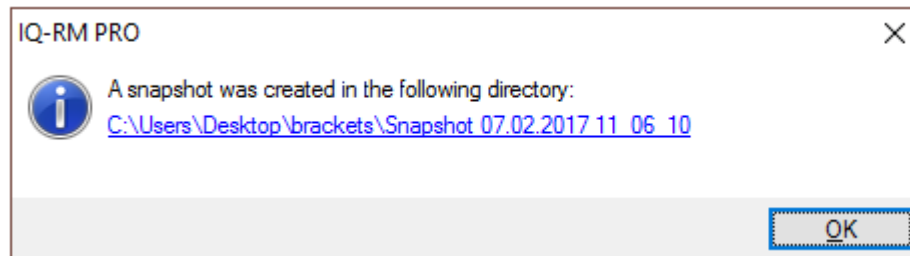
Presentation print and Webpublisher have their own Display options. These settings are saved when performing „print batch“ and are independent of the Display options in the editor you are working in.






Create Snapshot

The „Create snapshot“ function in the „Help“ menu can be very useful for diagnostic purposes.

A new folder is created, whereby a copy of the fme file and the configuration file is also saved with the screenshot.



Name	Änderungsdatum	Typ	Größe
 apis-iq65.cfg	07.02.2017 11:06	CFG-Datei	916 KB
 EXAMPLE.fme	07.02.2017 11:06	IQ-Document	1.534 KB
 Personal Desktop.png	07.02.2017 11:06	PNG-Datei	93 KB

Add new system elements from the Structure Editor into the FMEA Form

Select all system elements on the same level → Right-click: „-> FMEA Forms Editor“ → Select appropriate answer.

The screenshot displays the 'Structure Editor: Manufacture signal cable [Process]' window. The main area shows a hierarchical tree of tasks. The 'Test cable using appliance' task is selected, and a right-click context menu is open, showing options like 'Operator', 'Appliance', 'Setter', and 'soldering iron'. A confirmation dialog box is overlaid on the screen, asking if the selected elements should be included in the current FMEA form or a new one.

Structure Editor: Manufacture signal cable [Process]

Manufacture signal cable

- Prepare workplace
 - Operator
- Insert plug into soldering appliance
 - Operator
 - Appliance
- Solder cable strands on plug pins (manually)
 - Setter
 - Operator
 - soldering iron
- Solder shielding on plug housing (one sided; manually)
 - Operator
 - Setter
 - soldering iron
- Put cable into strain relief
- Test cable using appliance

Please confirm

Not all the selected elements are included in the FMEA form.

Select

"Yes" - to include the selected elements in the current FMEA form
 "No" - to create a new FMEA form including all selected elements
 "Cancel" - to cancel the procedure.

Yes No Cancel