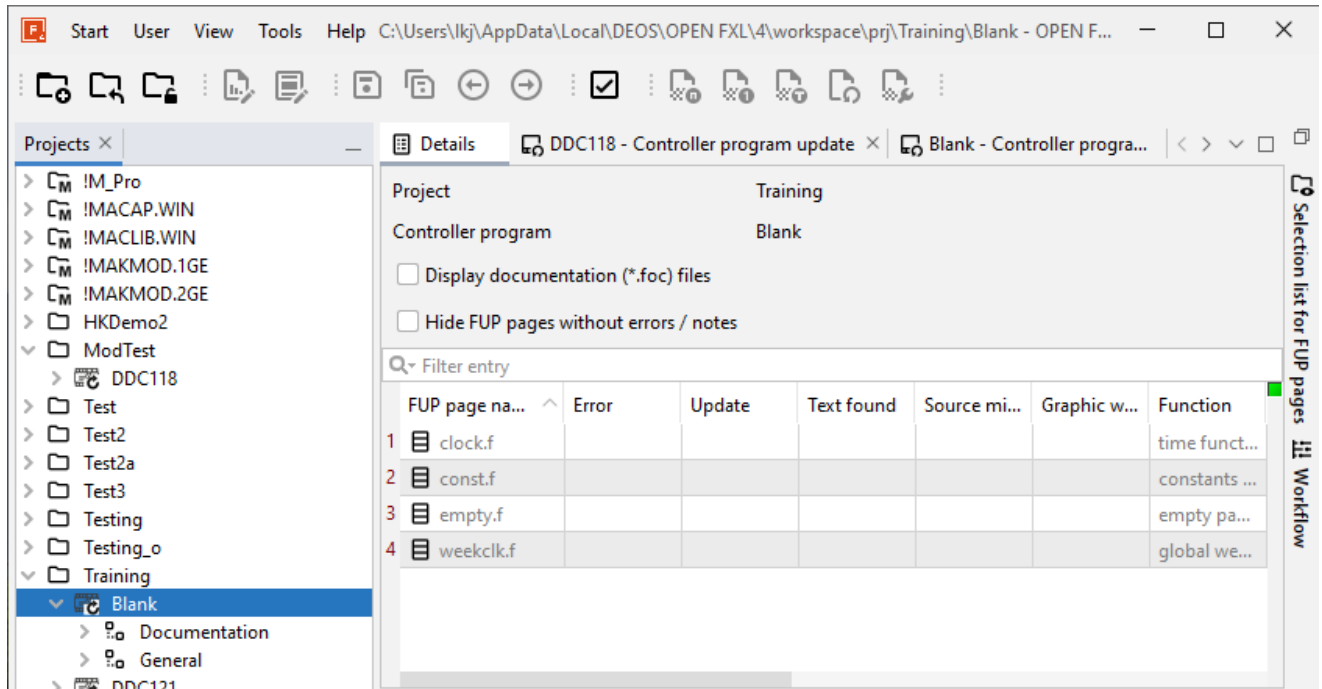
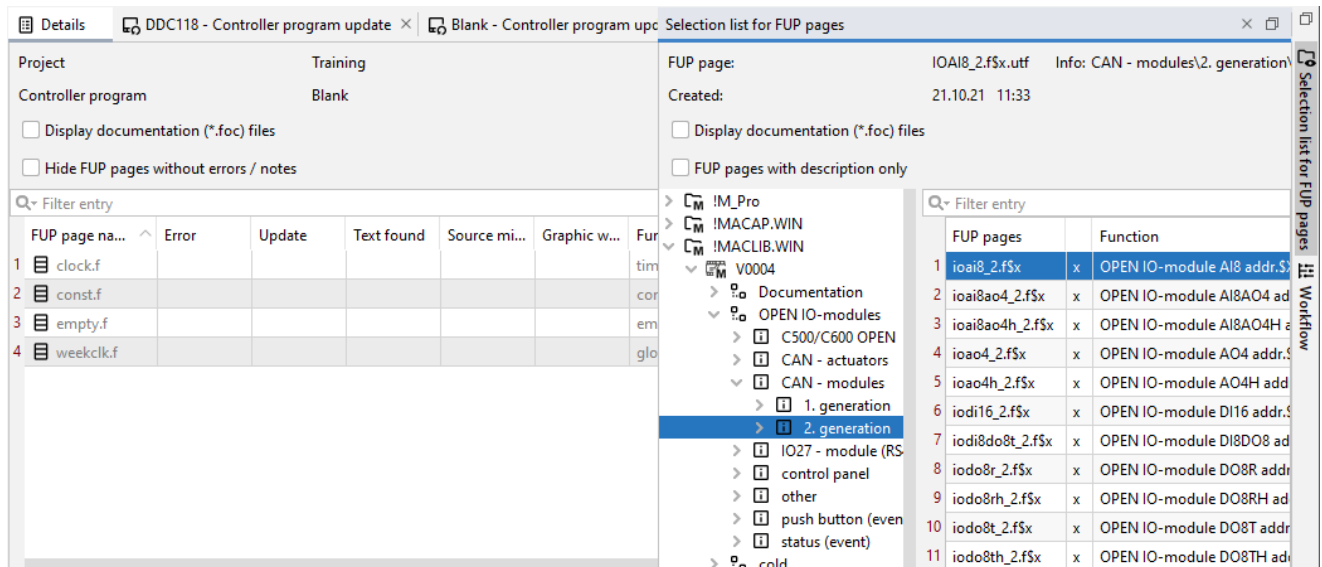


TT230302 – OFXL - Macro Operations

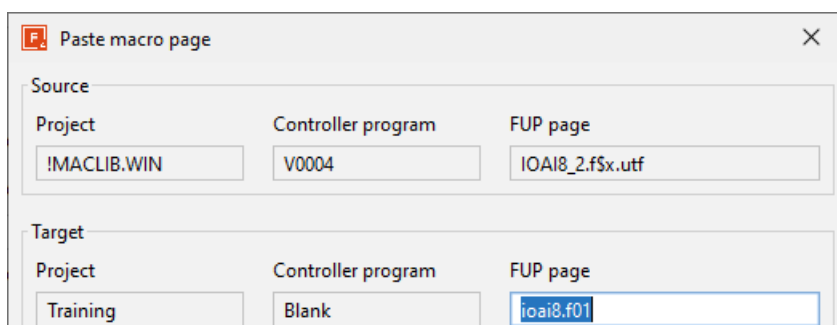
1. To add a macro to your controller from the macro library, click the “Selection list for FUP pages” on the right-hand side of the Window.



2. Open the macro library and find the correct macro you want. In this example, we will add the AI8 IO module to the controller. It is under “!MACLIB.WIN”, “V0004”, “OPEN IO-module”, “CAN – modules”, “2. generation”. Drag and drop the “ioai8_2.f\$x” macro to your controller.



3. You will now see this “Paste macro page” window.



Object tree

OPEN IO-modules

Macro status

☒ Call, edit and replace definitions

☐ Replace definitions immediately

☐ Abort macro status and do not replace definitions

☒ Paste macro with definition file (create new macro source)

☐ Paste macro without definition file

OK Cancel

- Click OK and you will see the macro editor window. Make the required changes and click "Save changed definition specifications and update the FUP page" when finished.

Blank - Macro editor (ioai8.f01)

Definition	Definition specification	Comment	Note
1		QUELLE=!MACLIB.WIN\V0004\IOAI8_2.F\$X	
2		SOURCE-DEFAULT=!MACLIB.WIN\V0004\IOAI8_2.F\$X	
3			
4	def_epl	-	device identifier in circuit diagram
5			is entered automatically during EPLAI
6			
7			
8			
9		set FUP page > page header <	
10			
11			
12	def_k		Customer
13	def_o	OPEN IO-modules	system identifier
14	def_f	OPEN IO-module AI8 addr.\$X ((def_e	Functionality
15	def_p	Gruhle	Programmer
16	def_i	CAN - modules\2. generation\analog	information text
17			
18			
19			

Save changed definition specifications and update the FUP page

Discard changes Cancel

- Now the macro is added to your controller. click the "Selection list for FUP pages" on the right-hand side to hide the window.

Project Training

Controller program Blank

☐ Display documentation (*.foc) files

☐ Hide FUP pages without errors / notes

Filter entry

FUP page na...	Error	Update	Text found	Source mi...	Graphic w...	Fur
1 clock.f						tim
2 const.f						cor
3 empty.f						em
4 ioai8.f01						OP
5 weekclk.f						glo

FUP page: IOAI8_2.f\$X.utf Info: CAN - modules\2. generation\

Created: 21.10.21 11:33

☐ Display documentation (*.foc) files


☐ FUP pages with description only







Filter entry

FUP pages	Function
1 ioai8_2.f\$X	x OPEN IO-module AI8 addr.\$X
2 ioai8ao4_2.f\$X	x OPEN IO-module AI8AO4 ad
3 ioai8ao4h_2.f\$X	x OPEN IO-module AI8AO4H a
4 ioao4_2.f\$X	x OPEN IO-module AO4 addr.\$X
5 ioao4h_2.f\$X	x OPEN IO-module AO4H ad
6 iodi16_2.f\$X	x OPEN IO-module DI16 addr.\$X
7 iodi8do8t_2.f\$X	x OPEN IO-module DI8DO8 ad

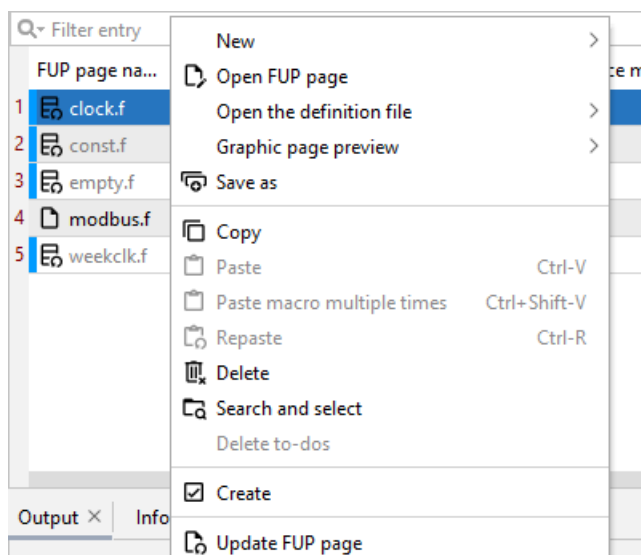
Selection list for FUP pages

Workflow

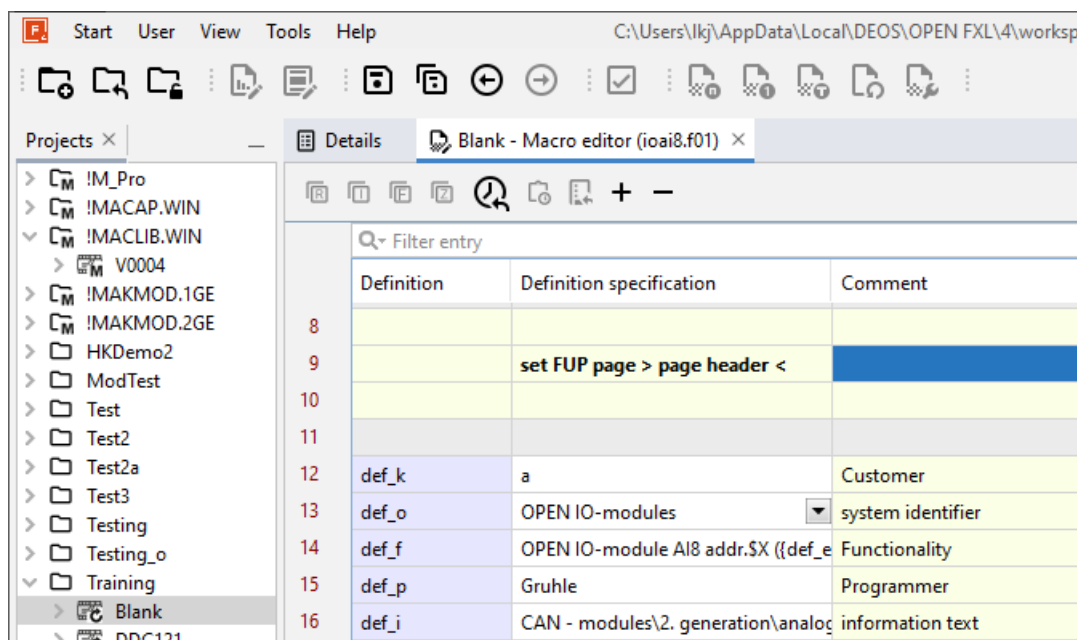
6. Sometimes if you see the below  icon in the “Update” column, this means the macro library is updated and you need to update the macro in your controller as well.


Q Filter entry			
FUP page na...	Error	Update	Text found
1  clock.f			
2  const.f			
3  empty.f			

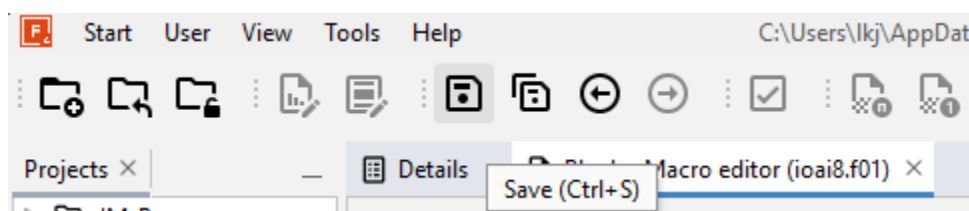
7. Right click on the macro, select “Update FUP page”.




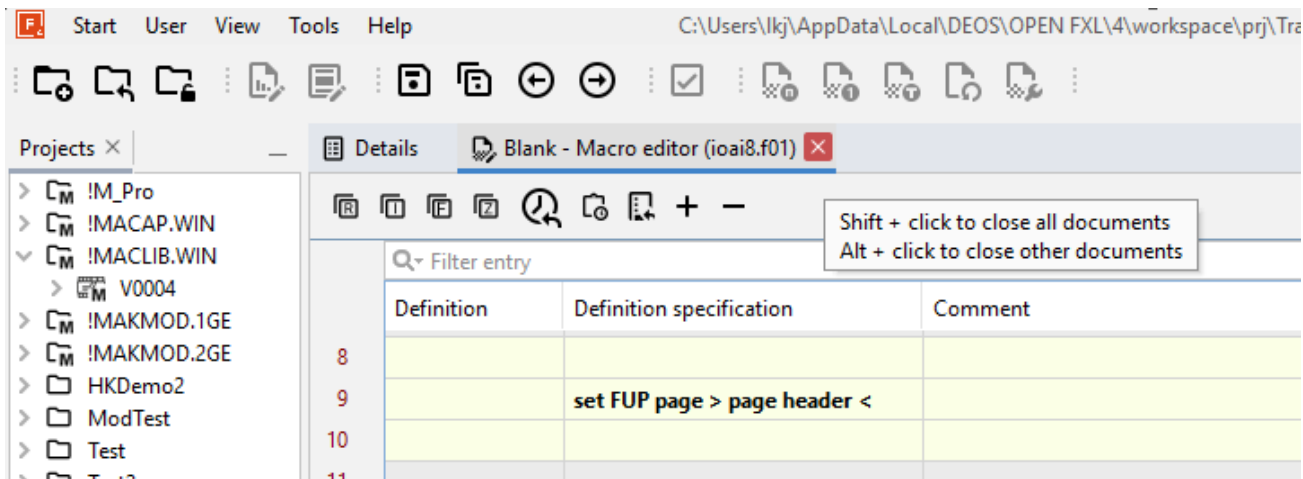
8. To edit the macro definition, double click on it and it will open a new tab for the macro editor.



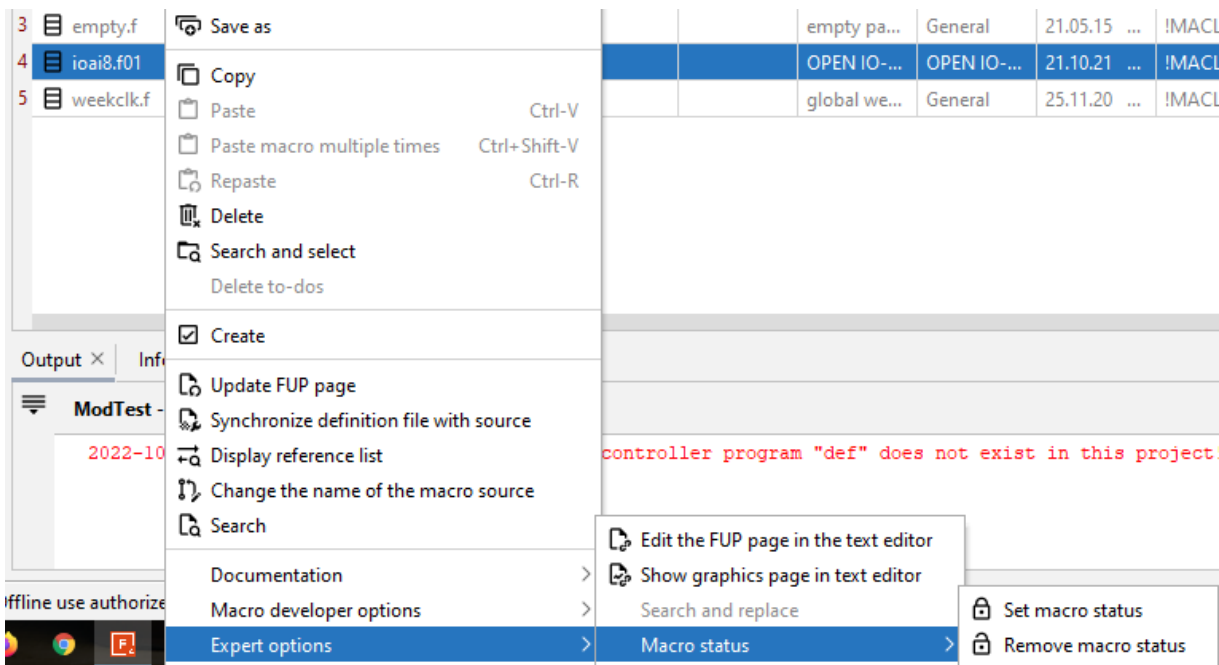
9. Make the changes and click the “Save” button  to save the changes.



10. Click the  button to close the “Macro editor” tab when finish. You can also use it together with the “Shift” and “Alt” key to close other tabs at the same time.



11. Sometimes you may want to modify the macro program. To do this, you have to remove the macro status first. Right click on the macro, click on “Expert options”, “Macro status”, “Remove macro status”.



12. Now the macro has changed to a normal FUP page, so you can double click to open and edit it freely.

	FUP page na...	Error	Update	Text found	Source missing	Graphic warning	Function
1	clock.f						time functions
2	const.f						constants assignment
3	empty.f						empty page for graphic
4	ioai8.f01						OPEN IO-module AI8 addr.01 (-)
5	weekclk.f						global weekly clocks

13. Please note that in this document, we only show you the changes in macro operation in OPEN FXL 4 compare to FUP 2. For details macro usages and operations, please refer to other technical tips.