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**How do you change
the faceplates for
TIM 1531 IRC,
CP 1243-8 IRC or
CP 1542SP-1 IRC?**

SINAUT ST7cc to V3.1 SP3

<https://support.industry.siemens.com/cs/ww/en/view/109757442>

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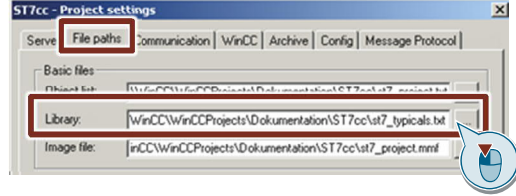
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1 Typical

1.1 Copying Typical Files into the Library of the ST7cc Project

Table 1-1

No.	Action	Remark
1.	Download the download file, copy it to your ST7cc computer and unpack it.	The unpacked file contains the following files: <ul style="list-style-type: none"> 📄 fpl_station.pdl 📄 fpl_stationdetails_CP1243_CP1542SP.pdl 📄 fpl_stationdetails_TIM1531.pdl 📄 st7_typicals.txt 📄 st7_typicals_english.txt 📄 st7_typicals_pcs7.txt 📄 st7_typicals_pcs7_english.txt
2.	Shut down the WinCC runtime system and then the ST7cc runtime system (ST7cc server).	
3.	In ST7cc Config you open the library directory of the project via "Edit> Project Settings".	The "Project settings" opens.
4.	Go to the "File paths" tab and then open the target directory of your project by clicking the "Library" field.	
5.	Use the Windows tools to copy the unpacked typical files (*.txt) into the library directory of the project.	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Download files</p> <ul style="list-style-type: none"> 📄 fpl_station.pdl 📄 fpl_stationdetails_CP1243_CP1542SP.pdl 📄 fpl_stationdetails_TIM1531.pdl <li style="border: 2px solid red; padding: 2px;">📄 st7_typicals.txt 📄 st7_typicals_english.txt 📄 st7_typicals_pcs7.txt 📄 st7_typicals_pcs7_english.txt </div> <div style="font-size: 2em;">➔</div> <div style="text-align: center;"> <p>Project Library</p> <ul style="list-style-type: none"> 📄 st7_project.txt 📄 st7_project_english.txt 📄 st7_typicals.txt 📄 st7_typicals_english.txt 📄 st7_typicals_pcs7.txt 📄 st7_typicals_pcs7_english.txt </div> </div> <p>Result: The new typical library includes the typicals of the new communication modules.</p> <ul style="list-style-type: none"> 📁 T 1. 0 System 📁 T 1. 1 Station 📁 T 1. 2 LocalTIM 📁 T 1. 3 Station_Tim1531 📁 T 1. 4 Station_CP1243_CP1542SP

Note For future projects replace the existing typicals library in the ST7cc installation directory with the new library.

1.2 Installing Subscribers

Subtype of the lower-level communication partners of "local TIM" subscribers

With the TIM 1531 IRC and the CP 1243-8 IRC in a central station, the lower-level stations that are connected via these two modules receive the following subtypes in the typicals.

- TIM 1531 IRC in central station
Subtype of lower-level station (communication module): 3
- CP 1243-8 IRC or CP 1542SP-1 IRC in central station
Subtype of lower-level station (communication module): 4

Interfaces of the lower-level communication partners of "local TIM" subscribers

The following table shows the assignment of the interfaces of the communication modules to the entries in the subscriber dialog of ST7cc Config.

Table 1-2

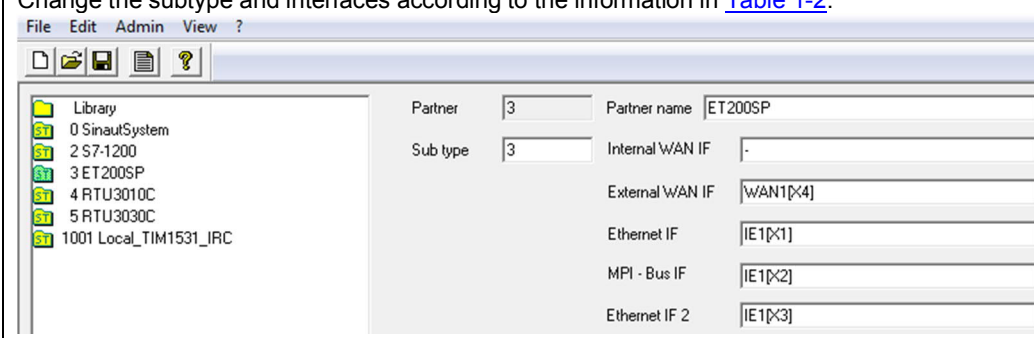
Module		TIM 3V-IE / TIM 3V-IE Advanced	TIM 4R-IE	TIM 1531 IRC	CP 1243-8 IRC	CP 1542SP-1 IRC
Interface*	Index **					
Internal WAN IF	ID14	-	WAN2 [X2]	-	-	-
External WAN IF	ID16	WAN1 [X1]	WAN1 [X1]	WAN1 [X4]	WAN1	-
Ethernet IF	ID18	IE1 [X2]	IE1 [X3]	IE1 [X1]	IE1 [X1]	IE1
MPI - Bus IF	ID20	MPI	MPI	IE2 [X2]	Backplane bus	Backplane bus
Ethernet IF 2	ID22	-	IE2 [X4]	IE3 [X3]	-	-

* Interface designation in the ST7cc Config dialog of a subscriber

** Org. index in the message monitor of the SINAUT Engineering software

Proceed as follows to install the lower-level communication partners of "local TIM" subscribers (TIM 1531 IRC, CP 1243-8 IRC or CP 1542SP-1 IRC):

Table 1-3

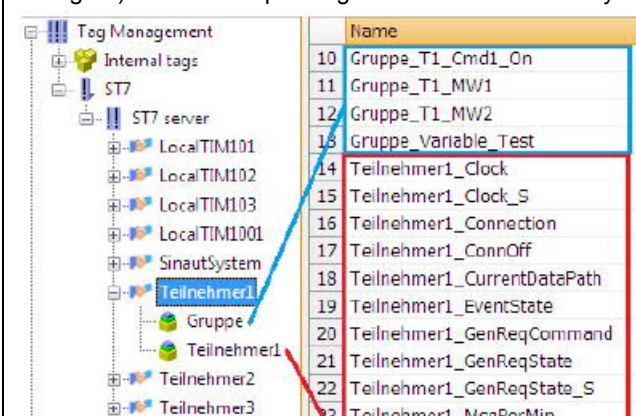
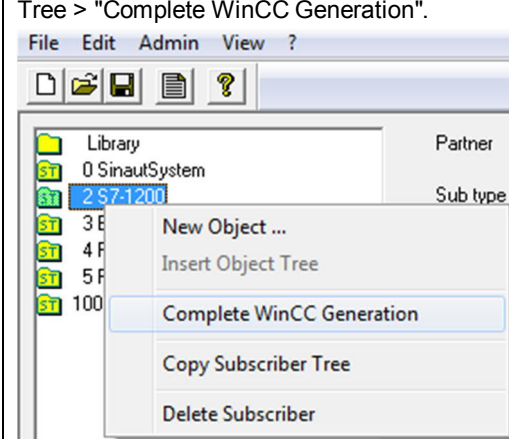
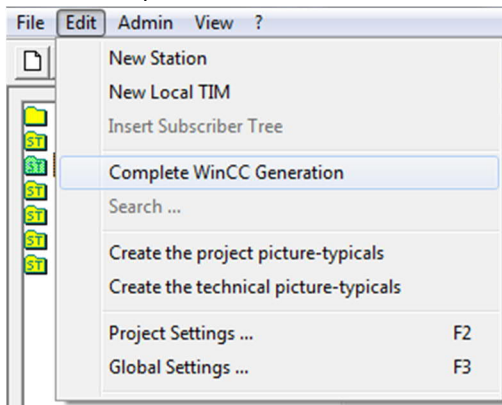
No.	Action	Remark
1.	In ST7cc Config you select a lower-level subscriber.	
2.	Change the subtype and interfaces according to the information in Table 1-2 . 	In this example a TIM 1531 IRC is used as local TIM in the central station.
3.	Repeat the procedure for all lower-level subscribers.	

2 Faceplates

2.1 Regenerating Typical Tags

After installing the subscribers you update the WinCC Tag Management. Proceed as follows:

Table 2-1

No.	Action	Remark
1.	Open the "Tag Management" in WinCC Explorer.	
2.	<p>For each station whose partners have been changed, select the typical tags (framed in red in the figure) in the corresponding "<Subscriber>" directory.</p> 	
3.	<p>Delete the typical tags. You must not delete the process tags in the "Group" directory of the subscriber (framed in blue in the figure).</p>	
4.	<p>Then, generate in ST7cc Config the WinCC tags for stations whose tags you deleted in Step 2. Right-click the subscriber in the ST7cc Object Tree > "Complete WinCC Generation".</p> 	<p>Alternatively you can generate the WinCC tags for the complete project via: "Edit > "Complete WinCC Generation".</p> 
	<p>Result: The WinCC tags are generated only for the selected subscriber.</p>	

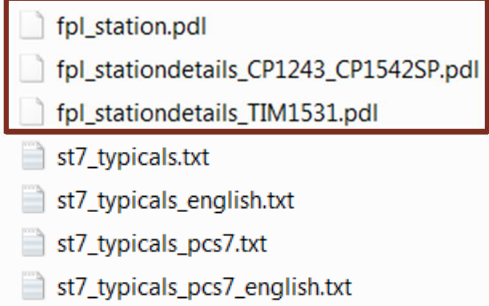
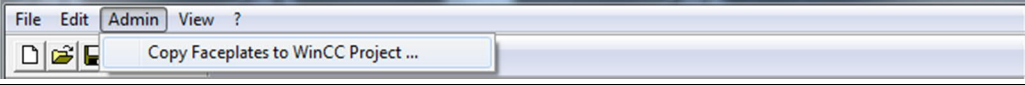
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2.2 Importing Faceplate Files

Import the faceplate files into your WinCC project. Proceed as follows:

2 Faceplates

Table 2-2

No.	Action	Remark
1.	Use the Windows tools to copy the faceplate files of the "*.pdl" type into the "ST7cc\gracs" directory of your ST7cc installation directory. Overwrite the existing files with identical names.	
2.	Open your project in ST7cc Config and copy the faceplates in WinCC project via "Admin > Copy Faceplates to WinCC Project...".	
3.	Select the project file (<Project name>.mcp) of your WinCC project and confirm with OK.	The import of each new faceplate file (*.pdl) is queried separately.
4.	Confirm the copying procedure for each file separately.	
5.	Restart the ST7cc runtime system (ST7cc server).	
6.	Restart the WinCC runtime system.	Result: Now you can identify the new faceplates in the station details.