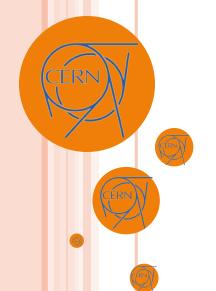


UNICOS: UNIFIED INDUSTRIAL CONTROL SYSTEM CPC (CONTINUOUS PROCESS CONTROL)

BASIC COURSE

SESSION 3: AUTOMATIC PLC CODE GENERATION











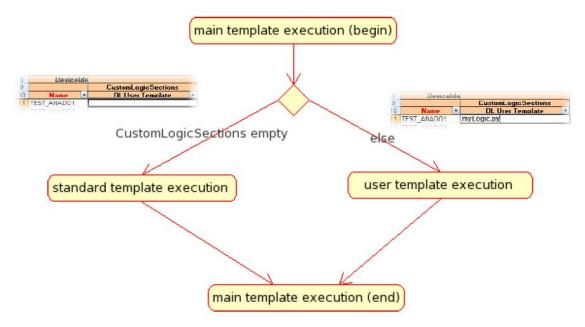
- Logic Generator uses templates to generate all the PCO sections and Field objects dependant logic.
- Modifying this template the user code is automatically generated.
- Multiple functions available for the model (template).
- Benefits:
 - Higher quality of the generated code (errors, maintainability)
 - Code efficiency
 - More efficient implementation phase.





GENERATION PROCESS

- Logic template for Dependent logic and PCO sections are split in two files:
 - Main template. Mandatory logic implemented. Not to be modified.
 - Standard Template (default logic) or User template (user logic)





TEMPLATES LOCATION

	-					
☐ CPC_TEST_BEN_57	Hel					
Baseline						
	Nam					
Cog Log	FSVE_TC0					
🛨 🧀 Output	UAMX_TO					
☐ Control Resources	UAPN_TC					
DeviceTypes	UAPN_TC					
iOCommissioning	UAPN_FC					
	FSVE_004					
	FSVE_004					
57LogicGenerator	FSVE_004					
Config	FSVE_004					
🖃 🧰 Rules						
CommonTemplate	s					
☐ ☐ DependentLogicTemplates						
Main	8.43					
☐ GlobalTemplates						
☐ ☐ PCOTemplates						
Main						
□ (□ UserSpecific						
DL						
PCO						
Upgrade						
Wince Instance Wince	ator					
	ator					

Specs

Help	<u>Help</u>	Help	Help		Help	Help
Devicelde					1111	111111111111111111111111111111111111111
				10		CustomLogic Sections
Name 💌	Parameter7	Parameter8	Parameter9	-	Parameter10 💌	DL User Template
FSVE_TC01_004						
UAMX_TC04_030						
UAPN_TC02_003			Ī			DL/UAPN_TC.py
UAPN_TC03_001				Use	er Templates	DL/UAPN_TC.py
UAPN_FC06_001			-			DL/UAPN_FC.py
UAPN_FC05_003						DL/UAPN_FC.DV
FSVE_004_PID01						
FSVE_004_PID02						
FSVE_004_PID03						
FSVE_004_PID04						