

# Naming and Look & Feel Conventions

(Extracted from JCOP Framework Guidelines v1.3, 20/10/2010)

## Domain Prefixes

fw	Framework
un	UNICOS
st	ST Division
gif	GIF

## Look-and-Feel

Screen resolution	Default:	1280 x 1074
	Alternative:	1024 x 768
Panel Sizes	Default Standard:	1269 x 894
	Default Child:	1126 x 724
	Alternative Standard:	1013 x 650
	Alternative Child:	870 x 580
Fonts	Title:	Arial regular 14pt
	others:	Arial regular 10pt
		in case of space optimisation problems, smaller fonts are possible
Buttons	Standard labels:	<i>Ok, Cancel, Apply, Close</i>
Keys	New	Ctrl + N
	Save	Ctrl + S
	Undo	Ctrl + Z
	Redo	Shift + Ctrl + Y
	Cut	Ctrl + X
	Copy	Ctrl + C
	Paste	Ctrl + V
	Open	Ctrl + O
	Print	Ctrl + P

## Naming Conventions

Systems	muon or muonHv (logical entity being covered)
Data Point Types	MyWienerChannel
FW Data Point Types	FwCaenChannel
Device Instances (dpName)	rack053Crate05Board06Channel03 (H/W view of device)
Device Alias (dpAlias)	muon/EndCap/HV/Wire064 (logical view of device)
Panels (general)	hvChannelConfiguration.pnl
Framework Panels	fwGenericTreeBrowser.pnl
Recipes	muonNominalState
Scripts/Libraries	hvChannel.ctl (prefix for Framework)
Functions in Scripts/Libraries	hvChannel_set() (prefix for Framework)
Callback Functions	calculateAverageCB()
Global Variables (general)	g_threadId
Variables for data points	dpTest
Variables for data point elements	dpeTest
Variables for data point configurations	dpcTest
Variables for data point attributes	dpaTest
Variables for data point types	dpfTest
\$ Parameters for certain Variables	see above, e.g. \$dpTest
\$ Parameters based on types	<div> <div>\$Min</div> <div>Integer</div> </div> <div> <div>\$fMin</div> <div>Float</div> </div> <div> <div>\$sText</div> <div>String</div> </div> <div> <div>\$uMin</div> <div>Unsigned</div> </div> <div> <div>\$cText</div> <div>Char</div> </div> <div> <div>\$bChoice</div> <div>Boolean</div> </div> <div> <div>\$tiStart</div> <div>Absolute time (yyyy.mm.dd hh:mm:ss.mmm)</div> </div> <div> <div>\$tpClose</div> <div>Time period in seconds</div> </div> <div> <div>\$tdStart</div> <div>Date (yyyy.mm.dd)</div> </div> <div> <div>\$ttStart</div> <div>Time (hh:mm:ss.mmm)</div> </div> <div>add an "a" for arrays (e.g. \$aiMin)</div>
States	ON, OFF, RAMPING UP, RAMPING DOWN, ERROR, PHYSICS, CALIBRATION, STANDBY, INITIALISING
Actions	SWITCH ON, SWITCH OFF, RAMP UP, RAMP DOWN, GOTO PHYSICS, GOTO CALIBRATION, GOTO STANDBY, INITIALISE
Filenames	fileName.ext
Datapoint configurations	dpeEngine + "_original._value"

## Colours

<b>Background colours</b>	Default	_3DFace	
	Panels, objects	_3DFace	
	Input fields	_Window	
<b>Foreground colours</b>	Default	_3DText	
	Panels, objects	_3DText	
	Input fields	_WindowText	
<b>State information (all those are background colours)</b>	OK, Physics Data Taking	Green	FwStateOkPhysics
	OK, No Physics Data Taking	Blue	FwStateOkNotPhysics
	Alarm Colour	<i>see below</i>	
	Disabled (also foreground colour, not shown here ☺)	Grey	FwEquipmentDisabled
	Alarm Masked	Grey	FwAlarmMasked
	Equipment unreachable (not shown here ☺)	Grey	FwDead
	Data Point does not exist	Purple	DpDoesNotExist
<b>Control modes</b>	Included	Green	FwModelIncluded
	Excluded, delegated, ignored, disabled	Blue	FwModeOther
	Some lower level not included	Yellow border	FwModeTreeIncomplete
	not available actions	Greyed out	
<b>FSM states</b>	OK, Physics Data Taking	Green	FwStateOkPhysics
	OK, No Physics Data Taking	Blue	FwStateOkNotPhysics
	First level of error severity	Yellow	FwStateAttention1
	Second level of error severity	Orange	FwStateAttention2
	Third level of error severity	Red	FwStateAttention3
	not available actions	Greyed out	
<b>Alarm screen</b>	Fatal/came/unacknowledged	Red	FwAlarmFatalUnack
	Fatal/came/acknowledged	Red	FwAlarmFatalAck
	Error/came/unacknowledged	Orange	FwAlarmErrorUnack
	Error/came/acknowledged	Orange	FwAlarmErrorAck
	Warning/came/unacknowledged	Yellow	FwAlarmWarnUnack
	Warning/came/acknowledged	Yellow	FwAlarmWarnAck
	Fatal/went/unacknowledged	Grey	FwAlarmFatalWentUnack
	Error/went/unacknowledged	Grey	FwAlarmErrorWentUnack
	Warning/went/unacknowledged	Grey	FwAlarmWarningWentUnack