# ARENA NX / COACH NX PRINTOUT



User Guide

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**USER GUIDE** 

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## Prerequisites

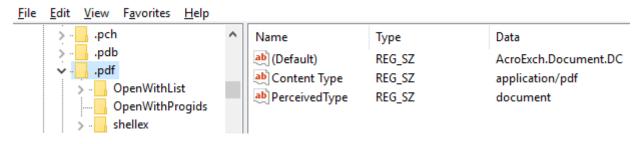
The following applications must be installed on the PC for printing:

- Microsoft Word
- Acrobat Reader

After Adobe Acrobat Reader has been installed, the following entry should be available in the Windows Registry:

HKEY\_CLASSES\_ROOT / .pdf / Default = AcroExch.Document.DC

#### 💣 Registry Editor



The above entry is the entry of the current Acrobat Reader DC. Depending on the Acrobat Reader Version, the entry can be different.

If there is no entry for Adobe Acrobat Reader in the registry, enter it for your Adobe Acrobat Reader version, otherwise screenshots in printed documents will not be shown as image but as referencing link.

### **Invoke Printout**

The Printout function is based on projects which can contain multiple stations. You can add stations to a project and remove stations from a project.

Projects can be edited, added and deleted.

For a project, the following station settings can be enabled or disabled for printing:

- Stations
- Services (with extended options)
- Drivers (with extended options)
- Datapoints
- I/O assignment
- Schedules
- Calendars
- Wiresheets
- Parameters
- Plants graphics

In addition, the module labels can be printed or separately.

The settings for selection displayed in the print dialog are saved in a *XML* based filter file. The *XML* file can be edited using an XLM Editor. Editing the XML file allows modifying the selectable default settings displayed in the print dialog.

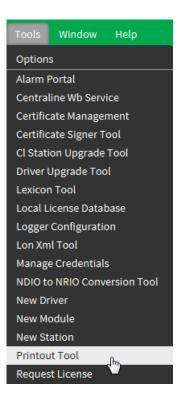
Projects can be printed offline and online (single station only).

### **General Printing**

The following procedure applies to Offline and Online Printing.

#### Procedure

1. In the Tools menu, select Printout Tool.



RESULT: The Print Documentation dialog box displays.

Print Documentation		-	×
Project to print:	Edit Project	Add Project	Delete Project
	Print Documentati	on Cancel	

- 2. Click Add Project.
  - RESULT: The Edit/Create Project dialog box displays.

Edit/Create Proje	ct and a second s	x
Project Name:	New Project Name	
Description:		
Print Graphics:	✓	
Stations Folder:	local:  file:~stations	
	CBUS_Demo	
Stations:	CBUS_TEST	
Filter File:	local: file:!printout/DefaultFilter.xml	
	Save Project Cancel	

- 3. In **Project Name**, enter a name.
- 4. In **Stations**, select the station(s).

Edit/Create Proje	ct 📃	
Project Name:	Beta	
Description:		
Print Graphics:	<b>•</b>	
Stations Folder:	local: file:~stations	
	CBUS_Demo	
Stations:	CBUS_TEST	
Filter File:	local: file:!printout/DefaultFilter.xml	
	Save Project Cancel	

#### 5. Click Save Project.

RESULT: The Print Documentation dialog box re-displays.

Print Documentatio	n	-	×
Project to print:	eta 🔽 Edit Project	Add Project	Delete Proje
	Print Documentation	Cancel	

#### 6. In Project to print, select the project.

#### 7. Click **Print Documentation**.

RESULT: The Print Documentation for Niagara project dialog box re-displays.

Print docun	nentation fo	or Niagara	project										
													Print in File.
er:					Projec								
fault Filter				Load Filter	C:\Ce	entraLine\Cei	ntraLineNX-4.2.	36.34\printou	t\printout	Load Project			
Print Modu	le Labels												
int options													
Selection	Station	Services	Select Services	Drivers	Select Drivers	Data points	IO Assignment	Schedules	Calendars	Plant Graphics	Wiresheets	Parameters	Function Descriptions
	School	<b>V</b>	Config		Config	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>
								Close					

- 8. In the *Print Documentation for Niagara project* dialog box, do any of the following:
  - a. Click Load Filter... if you want to use another filter than the default filter.
  - b. Click Load Project if you want to use another project.
  - c. Check **Print Module Labels** if you want to print the module labels additionally.
  - d. In Print options, select the settings you want to print.
  - e. In **Print options**, click the **Config** button of **Select Services** or **Select Drivers** if you want to select extended settings of them.
  - f. In the corresponding *Select* dialog box, e.g. *Select Services*, select the extended settings.

Selection	Name	Select Properties	
<b>V</b>	AlamService	Config	
	BackupService	Config	
1	CategoryService	Config	
	JobService	Config	
	RoleService	Config	
<b>V</b>	UserService	Config	
	Authentication Service	Config	
	DebugService	Config	
		· · · )	

g. Click **OK**, or select the **Config** button of desired settings to select further properties as displayed in the following *Select Property Groups* dialog box, e.g. for *Select Services*.

Select Pro	operty Groups		
Selection	Name		
	Alarm Db Config		
<b>V</b>	Default Alarm Class		
	OK	Cancel	

- h. Click OK, and then click OK in the corresponding Select dialog box.
- 9. In the Print Documentation dialog box, click Print in File....
- 10. In the Save as... dialog box, enter a file name for the DOC file in File name.
  - RESULT: The printing process is started as displayed in the progression bar. Successful printing is indicated in the progression bar by the message "Document Generation Successful".

🖳 Print documentation for Niagara project		
	Document Generation Successful	Print in File
Filter: Default Filter Load Filter	Project File: C:\CentraLine\CentraLineNX-4.2.36.34\printout\printout Load Project	

11. Open the printed *DOC* file using Microsoft Word and print it on the default printer.

# **Enhanced Printing**

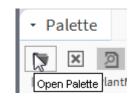
The printout provides the following extended print functions by using the Honeywell Printout module:

- Printing wiresheets
- Printing external macros
- Online printing

# **Open Palette**

#### Procedure

12. In the Palette bar, click the Open icon.

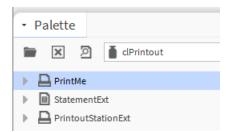


RESULT: The Open Palette dialog box displays.

<b>T</b> filter		
Module	Description	E
box	Building Object eXchange Protocol	
boxAnalyzer	Building Object eXchange Analyzer	
ccn	CCN Driver	
chart	ChartAPI	
clBACnetUtilities	CentraLine BACnet Utilities	
clCBus	cb	
clExtensions	cle	
clPrintout	Honeywell Printout	
clProfile	CentraLine Niagara Workbench Profile	
clStationUpgradeTool	cl	

2. Select clPrintout in the list, and then click OK.

RESULT: The clPrintout module is added to the Palette bar.



The following functions (extensions) are available in the **clPrintout** palette:

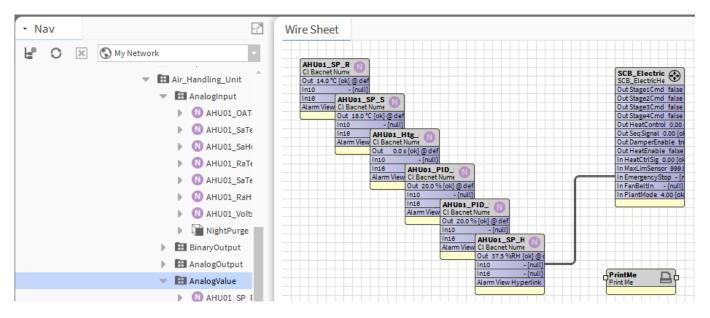
- PrintMe Printing wiresheet
- StatementExt Printing external macros
- PrintoutStationExt
   Online printing

# **Printing Wiresheet**

#### Procedure

- 1. Display the wiresheet for the points folder, you want to print.
- 2. From the **clPrintout** palette, drag&drop the **PrintMe** extension to the *Points* folder.

#### RESULT: The PrintMe extension is added to the wiresheet.

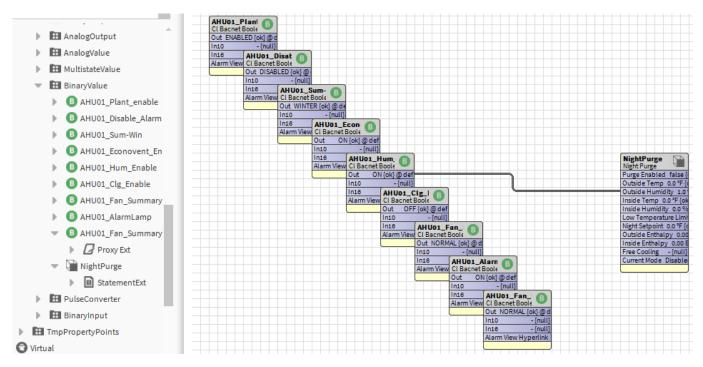


3. Print the wiresheet as the described in the "General Printing" section.

# Printing External Macros

#### Procedure

- 1. If not already done, add the **PrintMe** extension to the wiresheet of the points folder, you want to print.
- 2. Add the external macro, e.g. "NightPurge" to the points folder.
- 3. From the **clPrintout** palette, drag&drop the **StatementExt** extension to the external macro in the points folder in the *Nav* side bar.



RESULT: The StatementExt extension is added to the external macro in the Nav side bar.

?	Property Sheet		
	🗎 NightPurge (Night Purge)		
	🗎 Temperature Facets	units=°F,precision=1°F,min=-inf°F,max=+inf°F	• •
AnalogOutput	Humidity Facets	units=%RH,precision=1%RH,min=-inf%RH,max=+ir	f%R ≫ 🕒
AnalogValue     MultistateValue	Purge Enabled	false {ok}	¥
BinaryValue	<ul> <li>Outside Temp</li> </ul>	0.0 °F {ok}	Ŧ
B AHU01_Plant_enable	<ul> <li>Outside Femp</li> <li>Outside Humidity</li> </ul>	1.0 %RH {ok} @ def	Ŧ
AHU01_Disable_Alarm	<ul> <li>Inside Temp</li> </ul>	0.0 °F {ok}	Ŧ
B AHU01_Sum-Win	<ul> <li>Inside Humidity</li> </ul>	0.0 %RH {ok}	Ŧ
B AHU01 Econovent En	<ul> <li>Low Temperature Limit</li> </ul>	0.0 °F {ok}	Ŧ
B AHU01_Hum_Enable	<ul> <li>Night Setpoint</li> </ul>	0.0 °F {ok}	Ŧ
AHU01_Clg_Enable	<ul> <li>Outside Enthalpy</li> </ul>	0.00 BTU/1b {ok}	
AHU01_Fan_Summary	<ul> <li>Inside Enthalpy</li> </ul>	0.00 BTU/1b {ok}	
B AHU01_AlarmLamp	Free Cooling	- {null}	
B AHU01 Fan Summary	Current Mode	Disabled {ok}	
Proxy Ext	Setpoint Deadband	1.0 °F	
NightPurge	Threshold Span	1.00	
StatementExt	Use Enthalpy	true	
PulseConverter	Free Cooling Command	true	
🗄 BinaryInput		• true	
TmpPropertyPoints	Use Null Output		
al	StatementExt	Statement Ext	
· · · · · · · · · · · · · · · · · · ·	Temperature Facets	Ignore 🗸	
-7	Humidity Facets	Ignore 🗸	
	隌 Purge Enabled	Input 👻	
▼	뒡 Outside Temp	Input 👻	
	Outside Humidity	Ignore	
	Inside Temp	Input	
	Inside Humidity	Setting	
	Low Temperature Limit	Jetting	
	Night Setpoint	Input -	
	Outside Enthalpy	Output -	
vailable	Inside Enthalpy	Output	
	a mode champy		

- 4. Double-click the external macro in the tree.
  - RESULT: On the right, the statement extension properties are displayed.
- 5. Assign the settings (input, output, setting, or ignore) to the macro properties as desired.
- 6. Print the wiresheet as the described in the "General Printing" section.

Printing Online

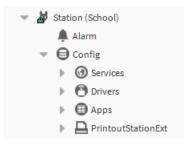
#### Procedure

- 1. Connect to the station.
- 2. From the **clPrintout** palette, drag&drop the **PrintoutStationExt** extension to the *Config* folder.

My Host: GE51DTF857G32.global.ds.honeywell.com (School)	
My File System	
My Modules	
My Tools	
Platform	
Station	
👻 🎽 Station (School)	
Alarm	
Printouts Fills Hiernrchy History	
✓ Palette	-7
🖿 🗙 🙍 🧴 clPrintou	•
PrintMe	
StatementExt	
PrintoutStationExt	
-	
🙀 Name	
PrintoutStationExt	
OK Cancel	

3. Confirm the Name by clicking OK.

RESULT: The PrintoutStationExtension is added to the Config folder.



4. Right click on the **PrintoutStationExtension** in the tree, and then click **Print Documentation** in the context menu.

🗢 🎽 Station (School)		— Inside Hum
🌲 Alarm		— Low Tempe
🔻 🖨 Config		— Night Setpo
Services		— Outside Ent
Drivers	Views	Inside Enth
Apps	Actions	Print Documentation
🕨 📙 PrintoutStatio		

RESULT: A *Confirm* message box displays asking if you want to print the graphics too.

ſ	🔮 Confirm
	Print Graphics too?
	Yes No

- 5. Click **Yes** if you want to print the graphics too, or click **No** if you do not want to print the graphics, and then click **OK** button.
  - RESULT: The *Print Documentation for Niagara project* dialog box displays for printing
- 6. Continue with printing as described in the "General Printing" section.

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