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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

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 dialog box]

2. Click Add Project.

RESULT: The Edit/Create Project dialog box displays.

![Edit/Create Project dialog box]

3. In Project Name, enter a name.

4. In Stations, select the station(s).
5. Click **Save Project**.

RESULT: The **Print Documentation** dialog box re-displays.

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

7. Click **Print Documentation**.

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

   ![Select Services dialog box]

   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 Property Groups dialog box]

   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".
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.

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.
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.
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.

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

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.