

## How to define Alarms Printing in SIEMENS PCS 7 SSM-X-Force AIMS-10001003

Sr. No.	Version History	Created/Modified Date	Prepared By	Approved By	Remarks
1	V0.1	14-May-2018	Rajnikant K.	Ms. Bijal Desai	Initial Draft

• SIEMENS WIN CC SCADA – OPC AE Communication with X-Force OPC Software

The screenshot shows the 'X-Force OPC AE Client - [Channel Configuration]' window. The 'Channel Details' section is active, showing the following configuration:

- Channel Name: FCC\_OPCAIE
- Default Color: [Black]
- Version: 10
- ReConnect Time: 10 (minutes)
- Host Name: 192.168.0.242
- User Name: Administrator
- Password: [Redacted]
- Domain: [Redacted]
- OPC Server: OPCServerAE.WinCC.1

The 'Database Field Mapping' section is also visible, showing a table with columns: S/No, DestinationColumn, DataType, SourceType, SourceColumn, SourceValue, Size, and FlgIn. The table contains 18 rows of mappings for various alarm fields.

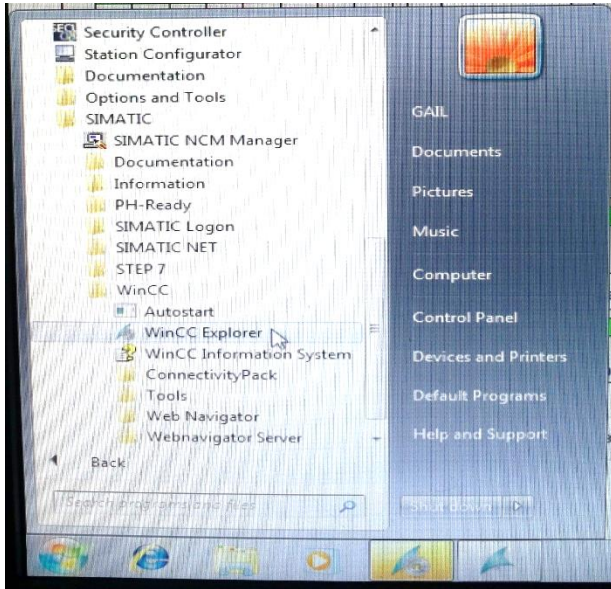
S/No	DestinationColumn	DataType	SourceType	SourceColumn	SourceValue	Size	FlgIn
0	EventStamp	datetime	Fix	Time	[Redacted]	30	<input checked="" type="checkbox"/>
1	Area	varchar	Fix	TEXT01	[Redacted]	30	<input checked="" type="checkbox"/>
2	Comment	varchar	Fix	Message	[Redacted]	60	<input checked="" type="checkbox"/>
3	Parameter	varchar	Fix	CLASSNAME	[Redacted]	40	<input checked="" type="checkbox"/>
4	AlarmType	varchar	Fix	TYPENAME	[Redacted]	30	<input checked="" type="checkbox"/>
5	AlarmState	varchar	Fix	STATETEXT	[Redacted]	10	<input checked="" type="checkbox"/>
6	Acknowledge	char	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
7	AlarmColor	varchar	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
8	AlarmId	numeric	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
9	AlarmLine	varchar	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
10	ChannelName	varchar	Custom	<< None >>	FCC_OPCAIE	15	<input type="checkbox"/>
11	ChID	numeric	Custom	<< None >>	1	15	<input type="checkbox"/>
12	EngUnits	varchar	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
13	GroupName	varchar	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
14	ICldValue	numeric	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
15	IValue	numeric	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
16	Limit	numeric	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>
17	LineType	char	Fix	<< None >>	[Redacted]	15	<input type="checkbox"/>

The screenshot shows the 'X-Force OPC AE Client - [OPC Main]' window. It displays a list of received alarm events with the following columns: Source, SubconditionName, ActiveTime, ConditionName, Message, EventAttributes, EventType, and EventCategory.

Source	SubconditionName	ActiveTime	ConditionName	Message	EventAttributes	EventType	EventCategory
@LOCALMACHINE:localhost:	567	14-May-2018 14:36:10...	567	TT3_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	569	14-May-2018 14:36:10...	569	TT8_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	209	14-May-2018 13:11:24...	209	ZI CONVEYOR STOPPED	5/14/2018 7:41:24 AM...	4	65539
@LOCALMACHINE:localhost:	567	14-May-2018 14:36:55...	567	TT3_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	568	14-May-2018 14:36:55...	568	TT4_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	567	14-May-2018 14:36:55...	567	TT3_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	568	14-May-2018 14:36:55...	568	TT4_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	568	14-May-2018 14:37:40...	568	TT4_SIREN_ON		4	131095
@LOCALMACHINE:localhost:	568	14-May-2018 14:37:40...	568	TT4_SIREN_ON		4	131095

- SIEMENS PLC: SIEMENS (GEG) S7-400 PLC:

Start Menu ==> SIMATIC ==> Wincc ==> Wincc Explorer

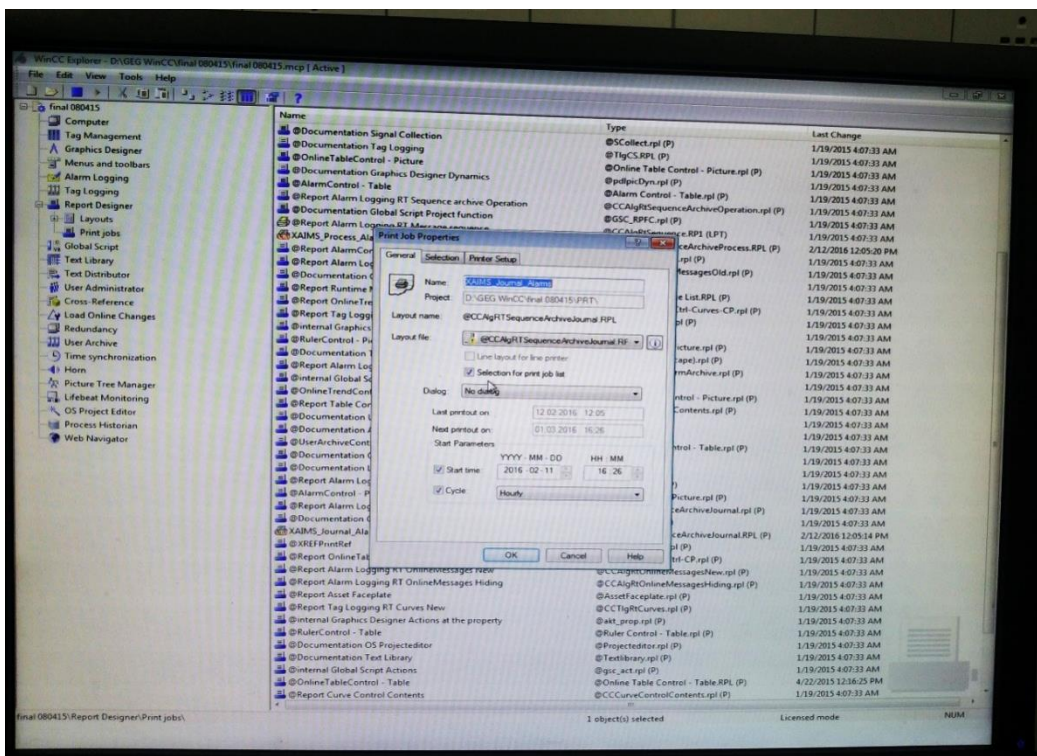


Wincc Explorer ==> Report Designer ==> Print jobs

Create Print Job on Right Click

General Option ==>

- Select Layout (i.e. ccalgtrtsequencearchivejournal.rpt)
- Selection for print job list (No dialog)
- Start Time
- Cycle (Hourly)



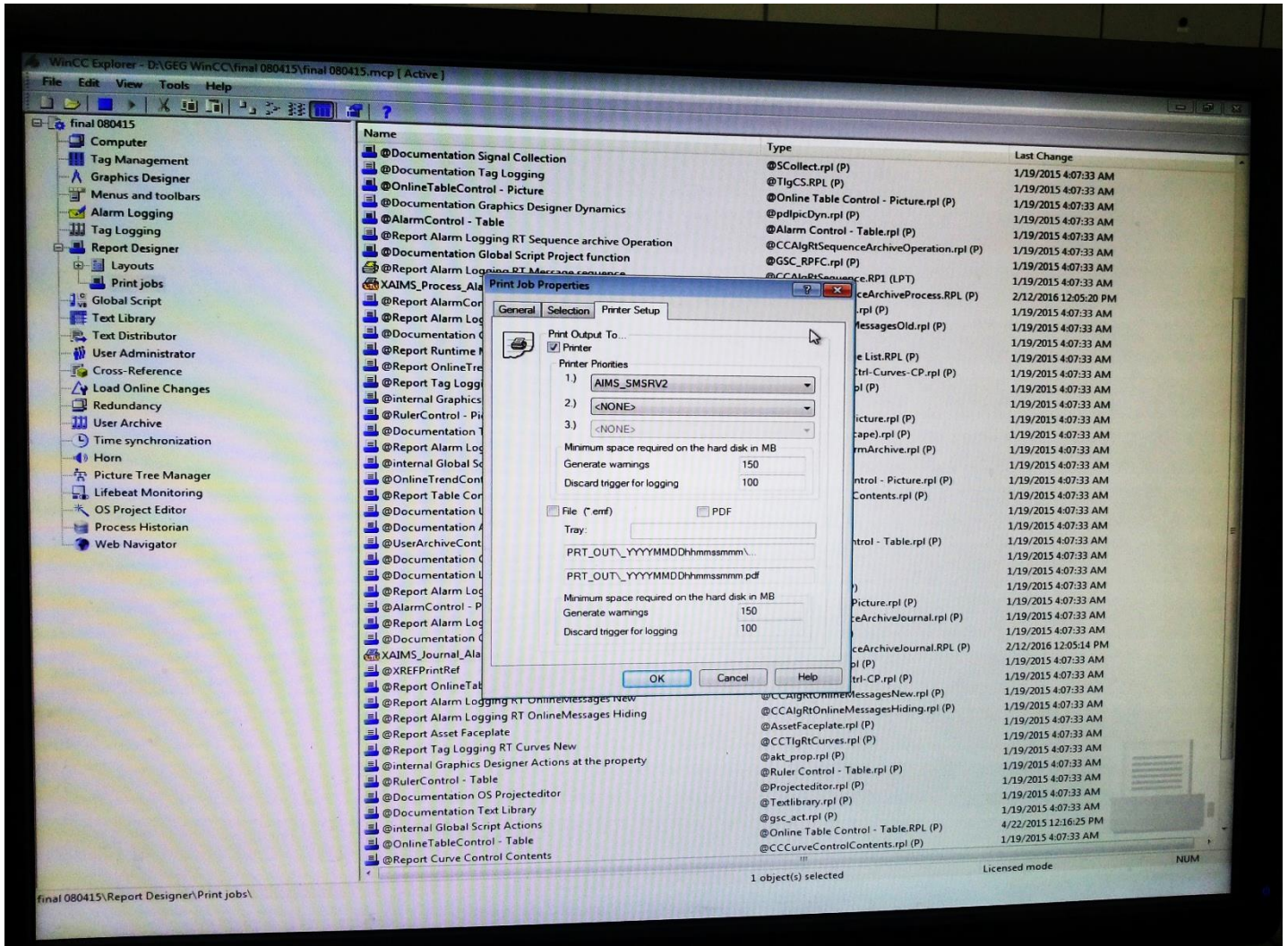
Wincc Explorer ==> Report Designer ==> Print job Option

Printer Setup Option ==>

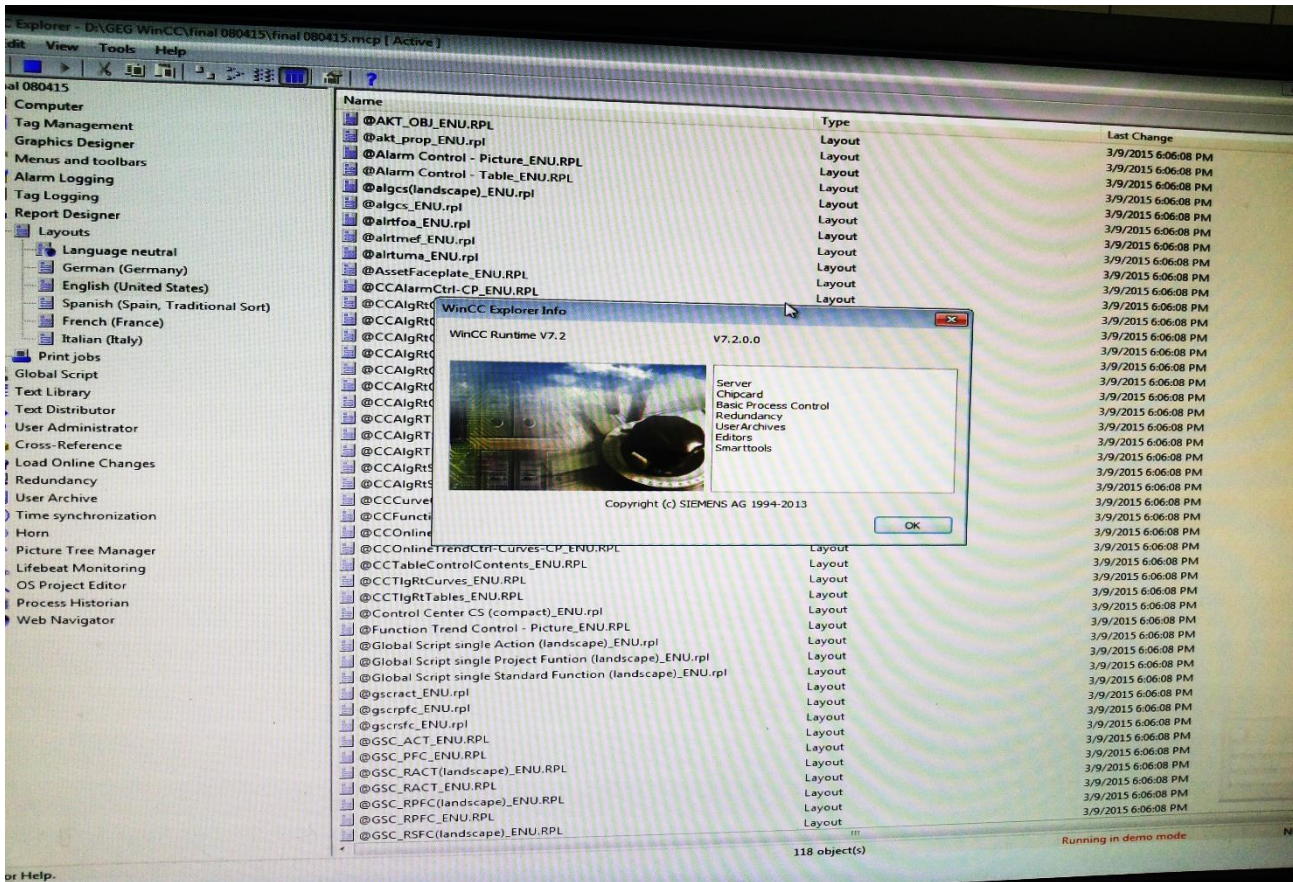
- Check Mark Print Option ==> Select AIMS(Virtual Printer)

Selection Option ==>

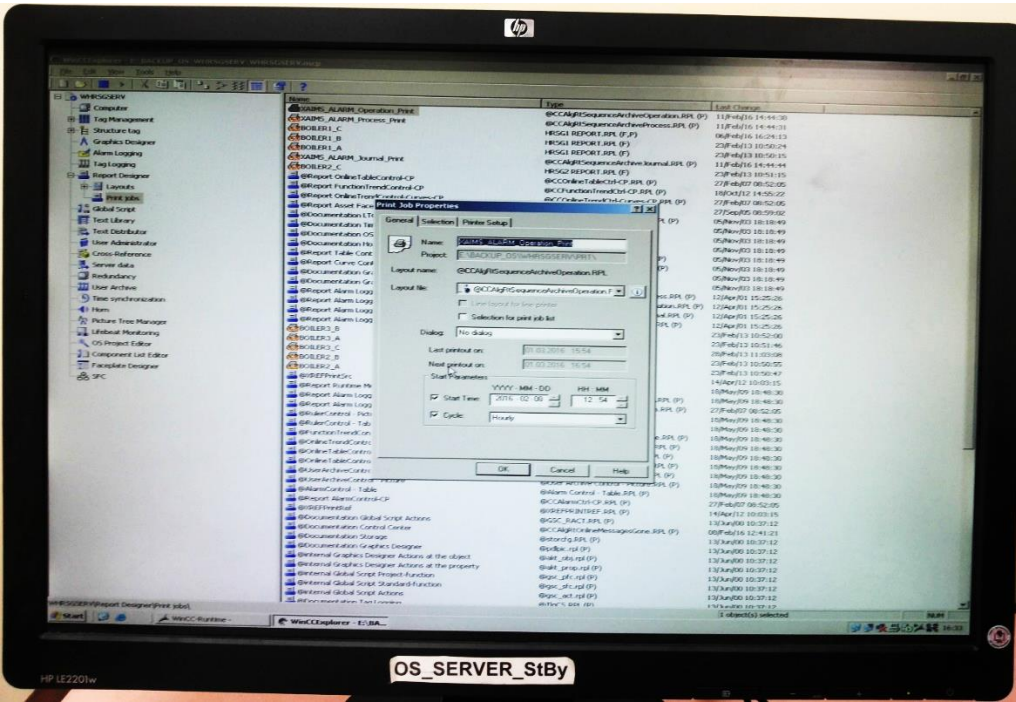
- Select Data Collect option from Last Hour



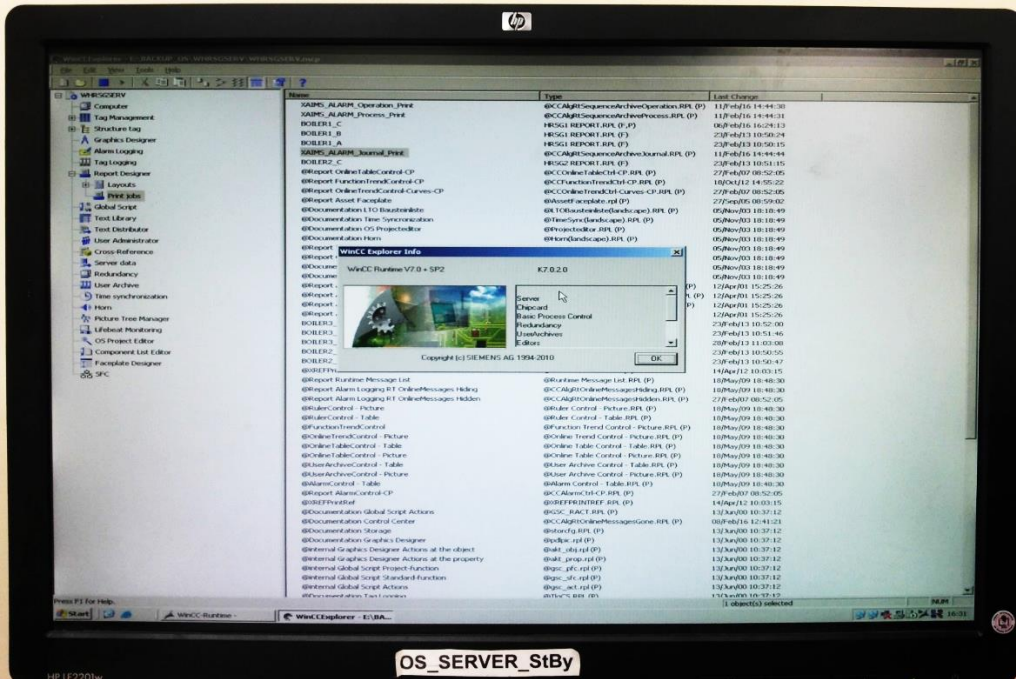
Wincc Explorer ==> Wincc Version







Wincc Explorer ==> Wincc Version



Generated reports from X-Force Alarms Management System-

The screenshot shows a web browser window with the following details:

- Browser Tabs:** Untitled, X-Force Portal, Settings, Karna Desai - Outlook, "Alarm Report", Rejilenti.
- Address Bar:** file:///C:/Users/XAIMSRVRK/AppData/Local/Microsoft/Windows/NetCache/Content.Outlook/BSL08XSS/Convey%20Sys%20History-18Mar2018072900.HTML
- Page Title:** Adani Port Mundra - FCC Alarm Report
- Report Summary:**
  - Report Name:** CONVEYOR SYSTEM History Alarm Report
  - Time Span:** 17-Mar-2018 07:00 to 18-Mar-2018 07:00
  - Filter:** (CHANNELNAME in('COAL FRM ALM', 'FCC ALM')) AND (MSGTYPE in('ALM'))
  - Execution Time:** 18-Mar-2018 07:29:02
  - Total Alarm Count:** 279
- Table:** A table with 7 columns: ChannelName, TimeStamp, Comment, Parameter, AlarmType, AlarmState, and MsgType. It lists various alarm events such as 'LOCAL STOP PRESSED', 'FRM SYSTEM EMERGENCY PRESSED', 'ZONE-2 PULL COR', and 'SIREN ON'.
- Taskbar:** Windows taskbar at the bottom showing the Start button, taskbar icons for File Explorer, Edge, Word, PowerPoint, and other applications, along with system tray icons and the date/time (03:22 PM, 14-05-2018).

THE END