

Product	Version	Theme	Environment	Date	Department	Person	Language
SEE Electrical PLM	V4Rx	Output WD	Windows		After Sales	Technical Support	EN

Subject:

Signal names in the output WD for the 8-process

Description:

This document describes the how how to get signal names in the output WD for the 8-process, generated by SEE Generative View under SEE Electrical Expert.

Our proposed solution:

1 - Input WD xml file

The input file must contain the net name. It is the case for WD xml generated by the Topology module.

```
<Wire Tag="WB08350" Type="Normal" Length="2960" Length_Status="Real" Gauge="1" Wire_Type="02U3A" Class="" Segregation="4" TemperatureZone="20" Net="61A1_018" Description="" Material="Unit
47" TagType="Standard" WireOrder="0" SourceType="Automatic" ManualAssignment="No" Resistivity="0">
  <EndFittingPartNumbers>
    <PartNumber PartNumber="DTR002527568U" Quantity="1" PN_Type="Identification Element" PN_Version="4" Cost="0" Mass="0.001" Unit="unit" Manual="No"/>
  </EndFittingPartNumbers>
</Wire>
```

2 - See XP Configuration

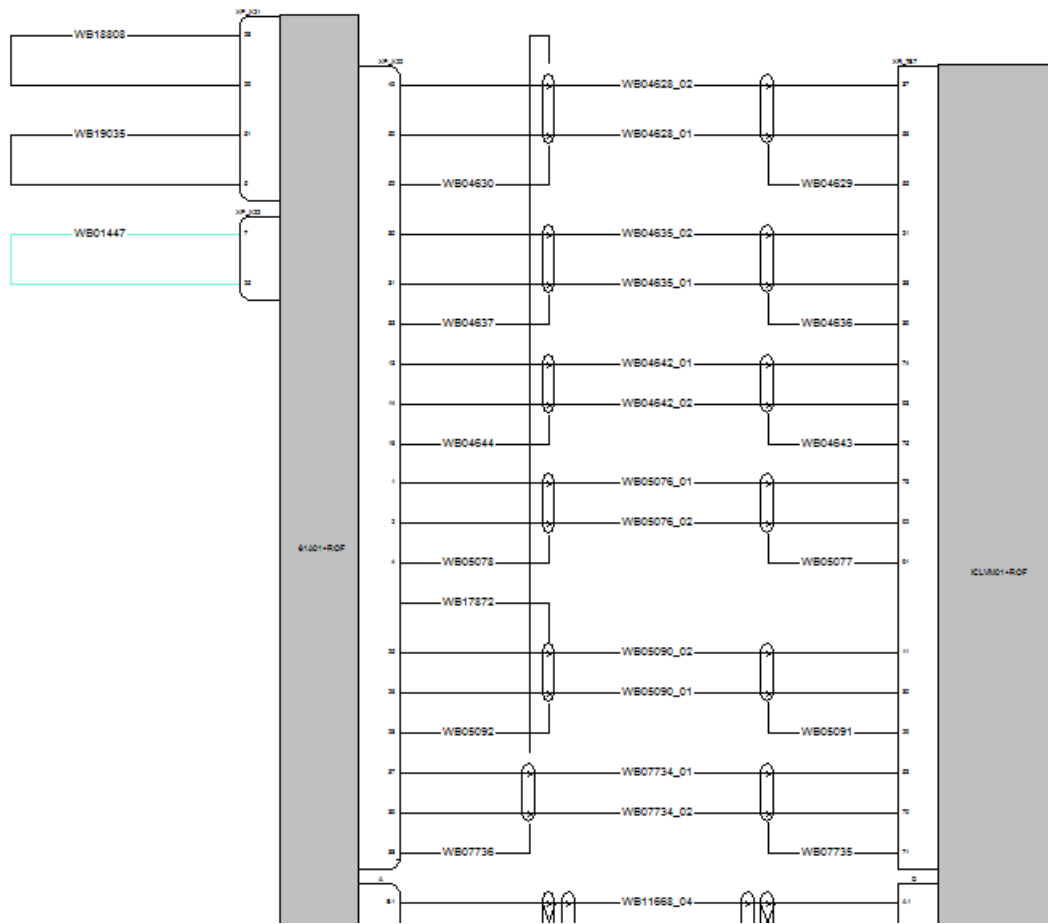
The environment must be customized to display the tags of nets:

The screenshot shows the 'Signal Method' software interface. The left sidebar contains navigation options: Project, Attributes, Editing, Symbols, and Connections. The main workspace is divided into several panels:

- List of Methods:** A tree view showing 'Active Project' and 'Available Methods', both containing 'Logic signals' and 'Functional Diagram'.
- Logic signals (Active Project):** A panel for managing signal types. It includes a list of signal types (WIRE NORMAL, WIRE SHIELDED, WIRE GROUND, FOR INFORMATION, LOGICAL CABLE, COAXIAL), a search field, and dropdown menus for Category (Undefined) and Technology (Wire media). Below this is a table with columns Name, Initial value, and Attribute.
- Display Properties:** A panel for configuring the display of signal numbers. It includes a 'Display Number' checkbox (checked), a 'Do not display Number on connections linked at OPR' checkbox (unchecked), and an 'Activate overlap control' checkbox (checked). The 'Display Format' is set to '[ETQ]'. Under 'Display Properties', 'Text Properties' is selected, and 'Parallel' is chosen. Numerical values for 'Minimal connection length for number display' (100), 'Default position on the connection' (40), 'Distance to the horizontal connections' (1.50), and 'Distance to the vertical connections' (1.50) are shown.
- Numbering Direction:** A panel with radio buttons for different numbering directions and checkboxes for 'Numbering by Symbol' and 'Numbering with Control'.
- Horizontal Connection Preview:** A preview window showing a horizontal connection line with the number '001' displayed above it.

Name	Initial value	Attribute
Section	20	Free
Segregation	1M	Free
Type	CF	Free

3 - Import the WD xml file in SEE XP using SEE Generative View



Properties

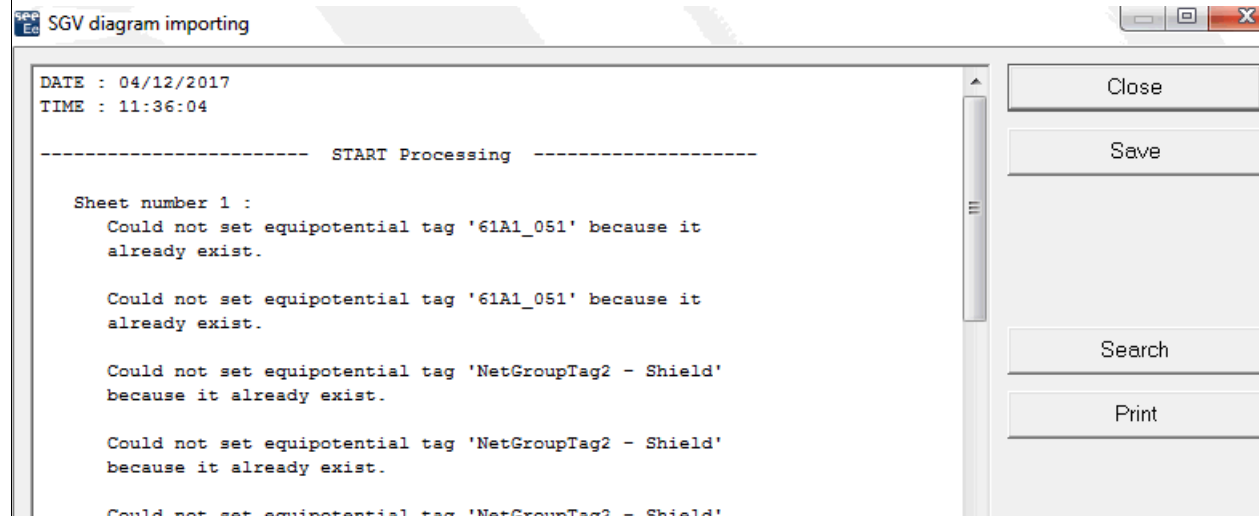
Property
WB01447
Name:
Harness
Type
Length
Length_Status
Gauge
Wire_Type
Class
Segregation
TemperatureZone
Net
Description
PartNumber
PN_Version

Cables and Wires

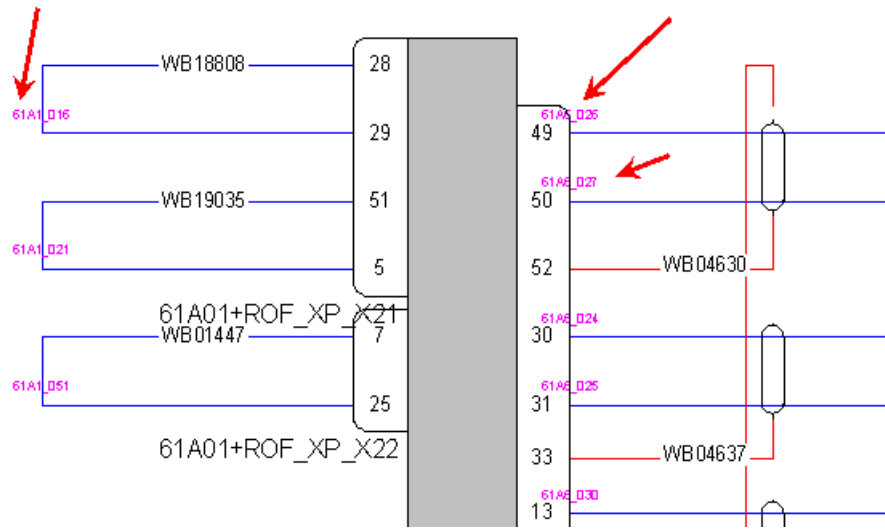
- Cables
 - 61A01+ROF_XPM_X23_ICLVM01+ROF_XRM
 - WB01447
 - WB04628
 - WB04629
 - WB04630

4 - Generation in See XP

There will be some errors during the generation, it is expected, because the import tries to insert several times the net tag, while SEE XP automatically propagates it. Thus the 'Already exist' message.



4.2



Note: There is another method to display net names, using a wire attribute.