

Product	Version	Theme	Environment	Date	Department	Person	Language
SEE Electrical PLM	V4Rx	Wires Numbering	Windows		After Sales	Technical Support	EN
Subject:							
<h1>How to trace the Wires Numbering Service from SEE XP</h1>							
Description:							
<p>This document describes the how to trace the execution of the Wires Numbering Service when it is called from SEE Electrical Expert. It allows to get the input/output data exchanged with PLM Hub to understand the potential problems</p>							
Our proposed solution:							

1 - Define a macro to start the Wires Numbering Service under SEE Electrical Expert

You need to open the Visual Basic Editor from SEE Electrical Expert "Tools/Macro" menu and create a new module with the code allowing to start the wires numbering process. See the attached bas file.

2 - In this code, activate the trace files

- Define the "Folder_path" variable as the directory where you want to generate those file
- Uncomment the 2 other lines saving the Wires Numbering data before and after the execution of the process.
(see the red lines below)

```
Sub WN_Process()  
    Dim project As SEEProject  
    ...  
  
    Folder_path = "C:\Temp\  
  
    Call Application.GetProject(project)  
  
    Set wns = project.Process.WireNumbering  
    Call wns.GetFromToXML(strRequest)  
  
    Set xml = New DOMDocument60  
    Call xml.loadXML(strRequest)  
    Call RemoveTagFromNotForced(xml)  
  
    Set sessionManager = New TSeeSPMPLMClient  
    'Call xml.Save(Folder_path + "WNS_Before_PLM.xml")  
  
    e = sessionManager.Login(appID, 102, "")  
    If e = ESPMPLMClientError.e_ProcessSucceeded Then  
        e = sessionManager.GetPLMWiresNumberingService(wnsService)  
        If e = ESPMPLMClientError.e_ProcessSucceeded Then  
            e = wnsService.Process(xml.xml, strResponse)  
            Set xmlReportDialog = New XmlReport
```

```

'If strResponse = "" Then
'  Call xml.Load(Folder_path + "WNS_After_PLM.xml")
'  strResponse = xml.xml
'  e = SeeSPMPLMClientLib.ESPMPLMClientError.e_ProcessSucceeded
'End If

If e = ESPMPLMClientError.e_ProcessSucceeded And strResponse <> "" Then
  Call xml.loadXML(strResponse)

  Call AddMissingTags(xml)
  Call RemoveCableOrderIfTagEmpty(xml)

  'Call xml.Save(Folder_path + "WNS_After_PLM.xml")

  ok = wns.Update(xml.xml, strLog)
  xmlReportDialog.ShowProcessLogDialog strLog, ok, "Wires Numbering Process Result"
Else
  e = sessionManager.GetErrorManager(errManager)

```

Save the modified code under the editor.

Then, you can attach this macro to a menu item by the "Options/Customize" function of SEE Electrical Expert, to allow starting this macro easily.

3 - Run the macro to start the Wires Numbering process

The trace files should be generated where specified in the macro, on condition the WNS process is really executed (PLM Hub server found...). Please provide them to your IGE+XAO support, with the description of your problem.