

Siemens Digital Industries Software

# User Documentation for Post Configurator Postprocessor Inter Property Logic Layer

## Summary

This document will help user to understand how to use inter property logic layer to change Post Configurator UI appearance based on some property settings.

# **User Documentation**

for

Post Configurator Postprocessor

Inter Property Logic Layer

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## 1 Introduction

This document explains how to change Post Configurator UI appearance based on some property settings with Inter Property Logic layer.

### 1.1 What is it

It is single function to handle property appearance in Post configurator UI as add on of postprocessor. Including tcl and psl file. Post writer can import this layer by PC layer manager to any machining postprocessor.

About Layer manager, please reference NX help

- [https://docs.plm.automation.siemens.com/tdoc/nx/1899/nx\\_help#uid:xid1128418:index\\_mfgpostconfig:xid1487919:xid1446295](https://docs.plm.automation.siemens.com/tdoc/nx/1899/nx_help#uid:xid1128418:index_mfgpostconfig:xid1487919:xid1446295)

## 2 Function

Once this layer is imported into postprocessor, inter property logic condition is implemented. Some properties or UI objects will be visible or invisible based on their master property value.

### 1) Example 1

“Absolute Output Mode” is master property. If it sets to Off, “Absolute Output” and “Absolute Output Reference Point” will be invisible.

▼ Absolute

Absolute Output Mode  [Lock] [Help]

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▼ Absolute

Absolute Output Mode  [Lock] [Help]

Absolute Output  [Lock] [Help]

Absolute Output Reference Point  [Lock] [Help]

### 2) Example 2

“Machine Type” property set to “3\_axis\_mill”, UI object “TCPM Kinematics” and “Tilting Plane Kinematics” are invisible.

▼ Kinematics Setting

- Arc Output
- Home Position
- Real Machine Kinematics
- Tombstone

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▼ General Settings

Machine Mode  [Lock] [Help]

Machine Type  [Lock] [Help]

Machine Resolution  mm [Lock] [Help]

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▼ Kinematics Setting

- Arc Output
- Home Position
- Real Machine Kinematics
- TCPM Kinematics
- Tilting Plane Kinematics
- Tombstone

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▼ General Settings

Machine Mode  [Lock] [Help]

Machine Type  [Lock] [Help]

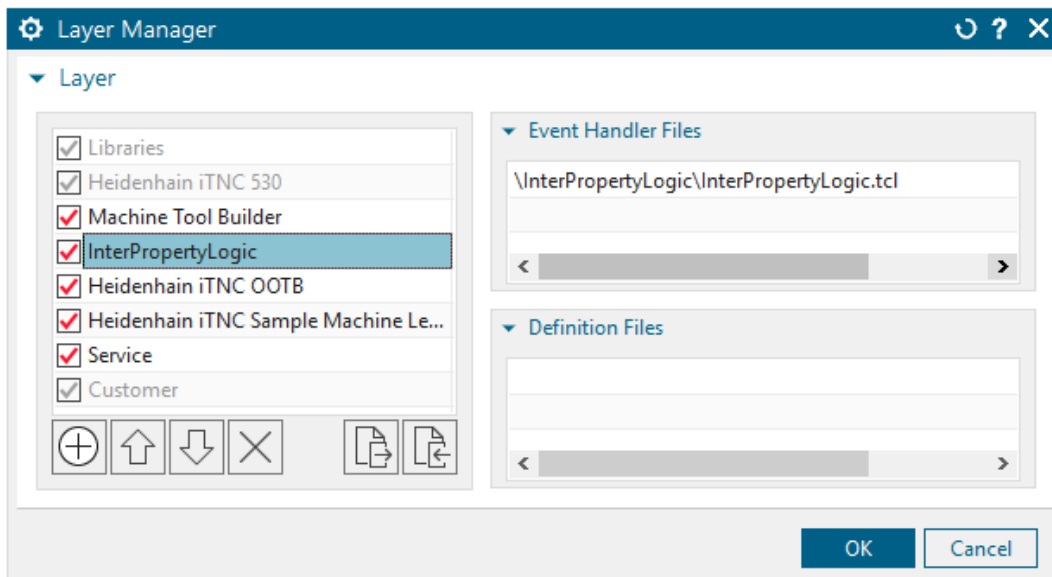
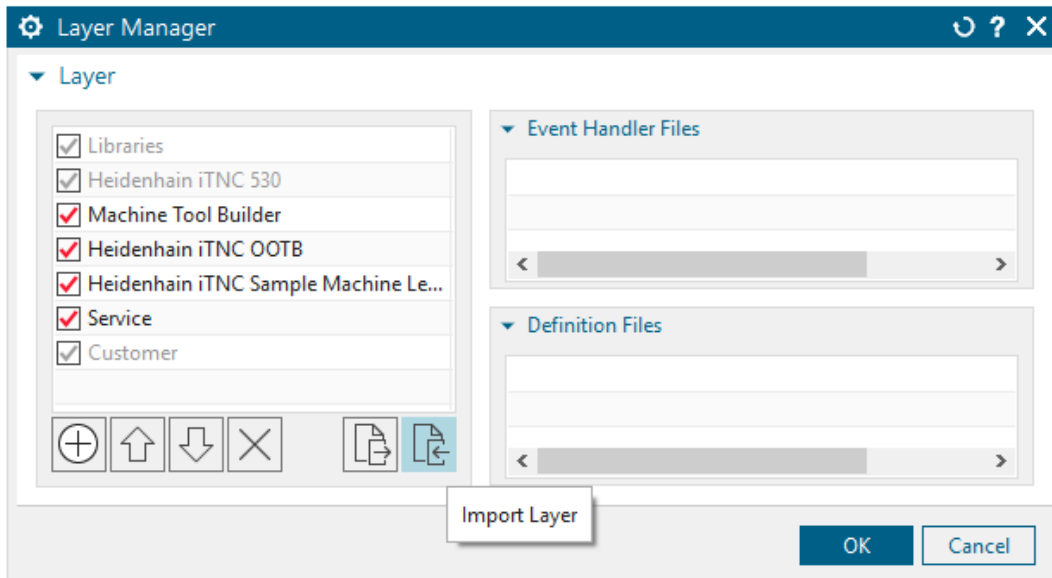
Machine Resolution  mm [Lock] [Help]

Head Mount Spindle Junction Name  [Lock] [Help]

### 3 How to use it

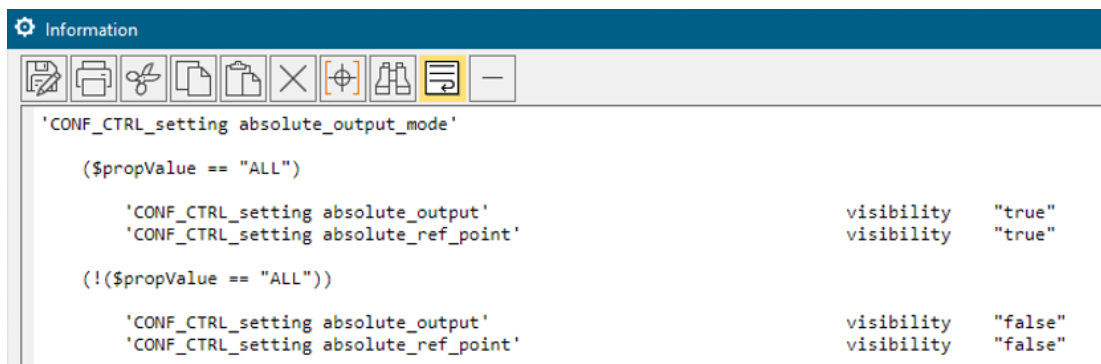
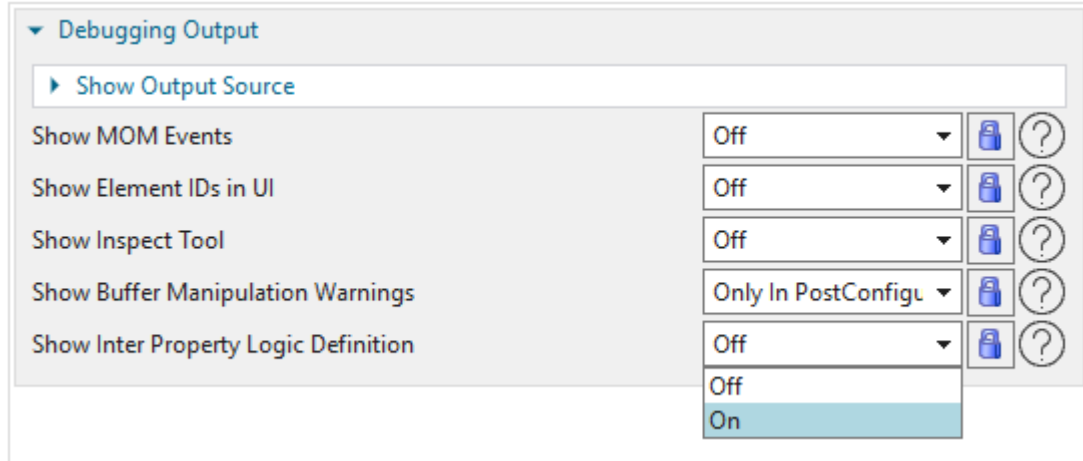
#### 3.1 Import Layer

Click Import Layer button of Layer Manager, choose InterPropertyLogic.psl file in browser.



## 3.2 Show Defined Inter Property Logic

Turn on Show Inter Property Logic Definition in Debugging Output will list all defined inter property logic in information window.



## 4 Software Versions

This document has been created and maintained for below versions,

NX Version	Comment
NX1930	

## 5 Documentation History

When	Who	What
08-Jul-2020	LL	Initial version
15-Jul-2020	LL	Fix 3.2 picture