

Release Notes for PlantStruxure GPL for WSP 2018

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1 OVERVIEW

This document summarizes the list of Templates which are new, enhanced and fix in this release of library. It also summarizes various Key Notes in this library. This library is validated on WSP 2014 R2 SP1, with hotfixes L00140660, L00140958, L00142328. To get these hot fixes, user has to contact WSP global support at “gcssupport.apac@schneider-electric.com”.

2 LIBRARY INSTALLATION

You can install this library in 2 different ways:

- Recommended way to use the library with existing Galaxies: By importing the library installation files.
- Recommended way when you create a new Galaxy: By creating a new Galaxy from the “blank” Galaxy backup provided with the library setup.

For details on both ways, refer to Library Installation, in Part I : Getting Started, in the PlantStruxure GPL for WSP Supervision Services User Guide.

User has to install WSP hotfixes L00140660, L00140958, L00142328 before importing the templates.

3 LIST OF NEW TEMPLATES / ENHANCEMENTS / FIXES

1. **Type** : New Template
Template Name : \$PSxFlowCtl
Category: Process -> Equipment Module
Description : This template provides supervision resources for controlling up to 5 pumping assets to maintain the flow setpoint. A variable speed pump, an inlet valve, an outlet valve, and a drain valve are collectively referred to as a pumping asset.
2. **Type** : New Template
Template Name: \$PSxPumpSet
Category : Process -> Equipment Module
Description : This template provides supervision resources for controlling up to 5 pumping assets to maintain the required number of pumping assets. A pump, an inlet valve, an outlet valve, and a drain valve are collectively referred to as a pumping asset.
3. **Type** : New Template
Template Name : \$PSxHWCircuitBreaker
Category : Devices -> Circuit Breakers
Description: This template provides supervision resources to monitor and operate Hardwired circuit breaker.
4. **Type** : New Template
Template Name : \$PSxHWCompact
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Hardwired Compact circuit breaker.
5. **Type** : New Template
Template Name : \$PSxHWMasterpact
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Hardwired Masterpact circuit breaker.

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6. **Type** : New Template
Template Name : \$PSxMasterpactMTZC
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Masterpact MTZ circuit breaker circuit breakers on ULP port module which is connected to an Ethernet network with Modbus TCP/IP protocol.
 7. **Type** : New Template
Template Name : \$PSxMasterpactMTZwoC
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Masterpact MTZ circuit breakers without chassis on ULP port module which is connected to an Ethernet network with Modbus TCP/IP protocol.
 8. **Type** : New Template
Template Name : \$PSxMasterPACTNx C
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Masterpact NT/NW circuit breakers with chassis on ULP port module which is connected to an Ethernet network with Modbus TCP/IP protocol.
 9. **Type** : New Template
Template Name : \$PSxMasterPACTNxwoC
Category : Devices -> Circuit Breakers
Description : This template provides supervision resources to monitor and operate Masterpact NT/NW circuit breakers without chassis on ULP port module which is connected to an Ethernet network with Modbus TCP/IP protocol.
 10. **Type** : Enhancement
Template Name : \$PSxAlarmSummary, \$PSxAnalogOutput, \$PSxControlValve, \$PSxDigitalOutput, \$PSxEquipmentModule, \$PSxIBPhase, \$PSxIlck, \$PSxIMCtl, \$PSxLeadLagCtl, \$PSxMotor2, \$PSxMotorizedValve, \$PSxMotorizedValveD, \$PSxMotorVS, \$PSxOnOffDevice, \$PSxPID, \$PSxPWM, \$PSxSequentialControl, \$PSxSplitRangeCtl, \$PSxStep3Ctl, \$PSxTotal
Category : Process
Description : Script modification for performance improvement.
 11. **Type** : Enhancement
Template Name : \$PSxMotorizedValve
Category : Process -> Analog Device Control
Description : A new alarm is added when there is a "Position mismatch" in analog and digital position feedback during the motorized valve operation.
 12. **Type** : Fix
Graphical symbol Name : \$PSxTrend, \$PSxGenericTrend
Category : PSx Symbol Library-> GPL-> Others
Description : The span change was not reflecting in the trend window, this issue is fixed.
 13. **Type** : Fix
Graphical symbol Name : \$PSxMotor2FP
Category : PSx Symbol Library-> GPL-> Process-> Faceplates-> On/Off Device Control
Description : The quality symbol is not shown when the unity variable not available, this issue is fixed.

4 KNOWN LIMITATION

- Local Panel tab – Enabling the Local panel option for the instances, the suffix for Auto reference will not have actual value required for the instance to communicate. Hence user has to manually match Suffix for Auto References with the DDT structure of the control resource (DFB) of the instance for effective communication with the control resource (For more details refer the PlantStruxure GPL for WSP Supervision Services User Guide).

5 KEY NOTE

- This library has been designed and validated to supervise the control functions delivered in the PlantStruxure GPL for Unity Pro 2018, which use the naming convention that is described in the PlantStruxure GPL for WSP Supervision Services User Guide. This is the recommended way of implementation because it reduces the engineering effort. However, custom naming conventions are also supported.
- A control project and a corresponding Galaxy are provided for demonstration purposes and to help you getting started quickly. For details, refer to Demonstration Project, in part I Getting Started, in the PlantStruxure GPL for WSP Supervision Services User Guide.
- \$PSxMasterPACT template to be used by legacy user only.