Readme file for supporting information of the Woodward Integration

**Learning Documents for Woodward Integration**

**(source:** [**http://www.woodward.com/**](http://www.woodward.com/)**)**

[1] Power Generation Learning Module Quick Start, Application Note 51474, Woodward

[2] Power Generation Learning Module Guide, Product Manual 26736, Woodward

[3] Power Generation Learning Module, Product Specification 03412, Woodward

[4] EasyGen3000 Series Manual, easYgen-3000 Series, Woodward

Files:

1. Configuration Folder
   1. .wset files
      1. These are the configuration files downloaded from the 1 and 4 MVA generator controllers that can directly be uploaded to an EasyGen 3500 system. Note: Woodward strongly notes to check the model number, serial number, and toolkit settings in order to not corrupt or damage the device controller.
      2. Woodward 1 MVA (Base file)
      3. Woodward 4 MVA (Base file)
      4. Woodward 1 MVA 20150923 (File run at the symposium)
      5. Woodward 4 MVA 20150923 (File run at the symposium)
   2. 8440-1934
      1. Woodward toolkit files for setting up communication to the EasyGen 3500 generator controller. Note: Woodward strongly notes to check the model number, serial number, and toolkit settings in order to not corrupt or damage the device controller.
   3. 8440-1934 Multilingual Toolkit
      1. Woodward Toolkit program for communication to the EasyGen 3500 generator controller over RS232. Note: Woodward strongly notes to check the model number, serial number, and toolkit settings in order to not corrupt or damage the device controller.
   4. Configuration
      1. Overview of configuration measurements for the Woodward EasyGen 3500 generator controller. It is programmed for 1 and 4 MVA generators.
2. Interface
   1. The documents included help with the connection of the Woodward generator controller to the HIL Platform.
      1. Connections of the Woodward
      2. Connections of the 2U and 4 U interface Box
      3. Drawings, Schematics, and Connections of the 2U and 4U interface Box
3. Learning Documents for Integration
   1. The documents included help with understanding how to interface vendor device controllers into the HIL platform. There are examples of control diagrams and other helpful information
      1. Power Generation Learning Module
         1. Online public manuals from Woodward for the understanding better how generator controllers work.
      2. Control Diagram
         1. Theory of various generator control methods.
      3. Device Controller Integration Examples
4. Bill of Materials for the HIL
5. Bill of Materials for the Woodward
6. EasyGen 300 Seriese Manual with Comments
7. HIL Generator Model Configurations Block Diagram