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| **Folder**  **No.** | **Name** | **Description** |
| 01 | *Documents* | Contains the presentation, technical report, user’s guide and pointers to Woodward related documentation  ***Review these files first:***   * 01 Technical Report (1203) * 02 Microgrid Controller HIL Demonstration Platform Presentation * 03 User's Guide - HIL Platform |
| 02 | *Generator System* | Contains documentation and test for the modeling of the Woodward and genset controllers |
| 03 | *Interface Box Design* | This folder contains all drawings and documentation (or pointer to external sources) required to replicate the interface box between the Woodward controllers and the Opal-RT simulator |
| 04 | *Top Level Model* | Folder containing the simulated case during the symposium   * Model libraries * System connectivity and parameters * Modbus configuration files * Test stimuli (load profiles, irradiance profiles, etc) |

This package was tested using the following tools:

* Matlab/Simulink 2011b (32bit)
* Simulink 2011b - SimPowerSystems
* Simulink 2011b – Simscape
* RT-LAB (Opal-RT)
  + ARTEMIS solver
* Simulink 2011b – Coder
* Woodward toolkit
  + EasyGen 3500

The two genetator models were tested using the following tools (path: HIL2015\_Symposium\_Package\02 Generator System):

* Matlab/Simulink 2011b (32bit)
* Simulink 2011b - SimPowerSystems
* Simulink 2011b – Simscape