<u>MEMORANDUM OF UNDERSTANDING</u>

This MEMORANDUM OF UNDERSTANDING is between Yaskawa America, Inc. (YAI) and
_____ (Channel or End User). The Memo concerns the Download, Usage, and Support for the Ethernet/IP and Modbus memory maps associated with SigmaLogic, SigmaLogic7 Compact and SigmaLogic7 Modbus.

The parties hereby agree as follows:

1. DEFINITIONS

1.1. "Direct Control Package" means the file package that can be downloaded by certified Channel or End User using a Partner Login at www.yaskawa.com/DirectControlPackage .

1.2. "eLM" means Electronic Learning Module

1.3. "eLV " means Electronic Learning Video

1.4.   "Direct Control Training Program" means the eLM or eLV, and certification test available on www.yaskawa.com/DirectControlPackage .

1.5. "SigmaLogic" means the Yaskawa Sigma-5 SERVOPACK with the part number SGDV-xxxxE1A00x000B00.

1.6. "SigmaLogic7 Compact" means the Yaskawa Sigma-7 SERVOPACK with the part number SGD7S-xxxxQ0A000F51.

1.7. "SigmaLogic7 Modbus" means the Yaskawa Sigma-7 SERVOPACK with the part number SGD7S-xxxxR0A000F51.

2. DOWNLOAD

2.1. To gain access to the Direct Control Package, Channel or End User must complete the Direct Control Training Program.

2.2. The Direct Control Training Program consists of an eLM or eLV and a Certification Test that Channel or End User must complete. Instructions on how to submit test results can be found on www.yaskawa.com/ DirectControlPackage .

2.3. Upon successful completion of the Direct Control Training Program, certified Channel or End User will gain access to the Direct Control Package webpage. All other Channel or End User is blocked from the webpage.

2.4. Direct Control Package consists of:

2.4.1. Ethernet/IP memory map

2.4.2. ModbusTCP memory map

2.4.3. User instructions for implementation of SigmaLogic motion functionality

3. USAGE

3.1. Content within the Direct Control Package is intended to be used with SigmaLogic, SigmaLogic7 Compact and SigmaLogic7 Modbus only.

3.2. The Direct Control Package is intended to help Channel or End User connect to and control the SigmaLogic, SigmaLogic7 Compact and SigmaLogic7 Modbus with a 3rd party Ethernet/IP or Modbus controller.

4. SUPPORT

4.1. The Direct Control Package is intended to be an aiding tool and reference for Channel or End User.

4.2. Channel or End User is responsible for the development and debugging of any function blocks and/or programs on 3rd party controllers.

4.3. YAI is not responsible for the support and troubleshooting of any program or function block created with non-YAI provided software.

4.4. YAI reserves the right to change the content within the Direct Control Package at any time. Channel or End User uses the Direct Control Package at its own risk.

IN WITNESS WHEREOF, the parties' authorized representatives have executed this Agreement as of the Effective Date.

Yaskawa America, Inc.   Channel/End User: _____

By: _____   By: _____

Name: _____   Name: _____

Title: _____   Title: _____

Date: _____   Date: _____