IO-Link Device AOI Test Report

**Date of Test: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of Test Engineer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Product Description of Tested Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Product Firmware Rev: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PLC used to Test Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Version of StudioLogix used to Test Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of AOI File Tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Version of AOI File Tested: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Test Notes:**

**Test Passed: Yes / No**

**Test Plan**

* Drag over IO-Link Device AOI from Catalog to Project
* Verify AOI Version matches Rev file and Revision Notes from txt file in github.
* Verify AOI Description matches txt file in github.
* Create tag instances of AOI
* Configure port of device
* Copy Common Data tag
* Download project to PLC
* Sensor Tests:

1. Verify the Wrong or Missing Device is not on
2. Check if the sensor is correctly recognized by the AOI by verifying its corresponding tag
3. Disconnect Device and verify missing device is on
4. Connect incorrect device and verify missing device stays on
5. Reconnect correct device and verify missing devices goes off
6. Plug PS+ into another port, use IODD Configurator to change Output 2 Mode to Analog and Process Data Profile to Profile 1.
7. Plug PS+ back into original port, use IODD Configurator to verify AOI reset Output 2 Mode to not be Analog and Profile Data Profile to Profile 3.
8. Put pressure on device, verify the pressure in bar matches between display and AOI.
9. Change Units to 1, display changes to PSI.
10. Verify PSI value on display matches AOI.
11. Change Display Rotation to 1, verify display rotates.
12. Go into menu and change the units to bar
13. Change menu lock to 1, try to change the units again, should only be able to view.
14. Use IODD Configurator and verify the Min and Max seen pressures match.
15. Write down the sensor used to perform the test listed above: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Repeat the tests listed above with other supported sensors (Steps 1 to 13) and list sensors used below:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_