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
* Verify the Wrong or Missing Device is not on
* Disconnect Device and verify missing device is on
* Connect incorrect device and verify missing device stays on
* Reconnect correct device and verify missing devices goes off

**Process Data Testing**

* Set Animation Type to 1, light turns on solid green. Rotate through all color 1 options, end with it on 1 (red).
* Set Color 1 Intensity to 2, light goes dimmer
* Animation type to 2, light flashes
* Animation Pattern to 1,2,3,4, back to 0
* Animation Speed to 1,2, back to 0
* Animation Type to 3, light blinks red and green
* Color 2 Intensity
* Color 2 options
* Animation type to 6, lights chase
* Animation Direction to 1, rotation reverses
* Touch button, Output state comes on
* Vibration Feedback to 1, Touch button, vibrates
* Vibration Feedback to 2, touch button, vibrates in pattern
* Animation Type to 2, Color 1 to 14, Color 2 to 15

**Index Data Testing**

* Plug light to another port, use IODD Configurator to set the Mode away from Advanced mode
* Plug light back to original port, use IODD configurator to verify AOI reset mode back to Advanced.
* Change the following Index values in AOI, verify change was written from IODD Configurator and color should update on light
  + Custom Color 1 Red
  + Custom Color 1 Green
  + Custom Color 1 Blue
  + Custom Color 2 Red
  + Custom Color 2 Green
  + Custom Color 2 Blue