CONFIDENTIAL

1. Introduction

Project Name: Project Design
Issue: PD-23-Test Execution for SCB-SSPS_0.1.0 | Acceptance Test Plan for #R-032-0001
Prepared By: Lewin Wirthwein

Document Date: 19/12/2023

1.1. Test Execution PD-23 Details

Description	*None*
Begin Date	
End Date	
Revision	*None*
Test Environments	
Test Plan	PD-22 - SCB-SSPS_0.1.0 | Acceptance Test

1.2. Overall Execution Status

Of the 4 Test Runs contained on PD-23:

Status	#TestRuns	Percentage
TODO	0	0 %
EXECUTING	0	0 %
PASS	4	100 %
FAIL	0	0 %
ABORTED	0	0 %

1.3. Defects

Key	Summary	Priority

1.4. Test Runs

Key	Summary	Test Type	#Req	#Def	Test Sets	Assignee	Status
PD-18	SCB-SSPS_0.1.0 | Documentation | Getting Started			0		Malte Rosskamp	PASSED
PD-19	SCB-SSPS_0.1.0 | Function | General Behaviour			0		Malte Rosskamp	PASSED
PD-20	SCB-SSPS_0.1.0 | OPC UA | PLC Values			0		Malte Rosskamp	PASSED
PD-21	SCB-SSPS_0.1.0 | OPC UA | IoLink Values			0		Malte Rosskamp	PASSED

2. Test Run Details

2.1. Project Design / Test Execution: PD-23 / Test: PD-18 - SCB-SSPS_0.1.0 | Documentation | Getting Started

Execution Status	Assignee	Executed By	Started On	Finished On	Versions	Revision
PASSED	Malte Rosskamp	Lewin Wirthwein	18-12-2023 15:21:56	18-12-2023 15:25:21		

2.1.1. Test Description

None.

2.1.2. Test Issue Attachments

PD-18 has 0 Attachments.

2.1.3. Test Details

This Manual Test has 2 Steps

	Action	Data	Expected Result	Attachments	Comment	Defects	Actual Result	Status
1	**Precondition**		1. The documentation PDF is loaded					PASSED

2	Check that all sections are available and understandable		1. Getting Started with instructions how to get the board running on a new pc 2. Software with explanation on all relevant software parts 3. Hardware with General Drawing, Electrical Drawing and Part List					PASSED

2.2. Project Design / Test Execution: PD-23 / Test: PD-19 - SCB-SSPS_0.1.0 | Function | General Behaviour

Execution Status	Assignee	Executed By	Started On	Finished On	Versions	Revision
PASSED	Malte Rosskamp	Malte Rosskamp	18-12-2023 15:22:53	18-12-2023 15:24:39		

2.2.1. Test Description

None.

2.2.2. Test Issue Attachments

PD-19 has 0 Attachments.

2.2.3. Test Details

This Manual Test has 5 Steps

	Action	Data	Expected Result	Attachments	Comment	Defects	Actual Result	Status
1	**Preconditions**		1. The setup is prepared like described in the Getting Started Section of the Documentation: https://rosslight.atlassian.net/wiki/spaces/PDFiles/pages/178683924/SCB-SSPS+0.1.0#Getting-Started# 2. The Motor is spinning					PASSED
2	1. Switch the Motor switch to position 0 2. Switch the Motor switch to position 1		1. The Motor is off 2. The Motor is on					PASSED
3	1. Interrupt the Photoelectric Barrier 2. Clear the Photoelectric Barrier		1. The Motor is stopped 2. The Motor resumes spinning					PASSED
4	1. Move the Distannce Slider to position 1 2. Move the Slider position by position towards position 5		1. The Motor is spinning with a low rpm 2. The Motor should increase its speed with each position					PASSED

5	1. Engage the Inductive Switch 2. Move the Distance Slider while the inductive switch is active 3. Interrupt the Photoelectric Barrier 4. Clear the Photoelectric Barrier 5. Switch the Motor switch to position 0		1. The Motor switches to a 2sec on, 2sec off loop 2. The rpm is adjusted 3. The Motor is stopped 4. The Motor resumes spinning with the 2sec on, 2sec off loop 5. The Motor is stopped					PASSED

2.3. Project Design / Test Execution: PD-23 / Test: PD-20 - SCB-SSPS_0.1.0 | OPC UA | PLC Values

Execution Status	Assignee	Executed By	Started On	Finished On	Versions	Revision
PASSED	Malte Rosskamp	Malte Rosskamp	18-12-2023 15:24:59	18-12-2023 15:28:33		

2.3.1. Test Description

None.

2.3.2. Test Issue Attachments

PD-20 has 0 Attachments.

2.3.3. Test Details

This Manual Test has 5 Steps

	Action	Data	Expected Result	Attachments	Comment	Defects	Actual Result	Status
1	**Precondition**		1. The UA Expert is connected to the devboard according to the documentation and the board is active 2. The PLC Server is opened					PASSED
2	1. Switch the Motor switch to position 0 2. Switch the Motor switch to position 1		1. The isMotorActive switched to false, The motorRpm switched to 0, the onOffSwitch switched to off 2. The isMotorActive switched to true, The motorRpm switched to >0, the onOffSwitch switched to on					PASSED

3	1. Interrupt the Photoelectric Barrier 2. Clear the Photoelectric Barrier		1. The lightBarrier switched to false, The motorRpm switched to 0, the onOffSwitch switched to off 2. The lightBarrier switched to true, The motorRpm switched to >0, the onOffSwitch switched to on					PASSED
4	1. Move the Distannce Slider to position 1 2. Move the Slider position by position towards position 5		1. The motorRpm is on a low value 2. The motorRpm value increased with each position					PASSED
5	1. Engage the Inductive Switch 2. Move the Distance Slider while the inductive switch is active 3. Interrupt the Photoelectric Barrier 4. Clear the Photoelectric Barrier 5. Switch the Motor switch to position 0		1. The inductiveSensor value is true. The isMotorActive and the motorRpm switch values every two seconds 2. The rpm value is adjusted 3. The isMotorActive is false, motorRpm is 0, lightBarrier is true 4. The isMotorActive is true, motorRpm is >0, lightBarrier is false 5. isMotorActive is false, motorRpm is 0					PASSED

2.4. Project Design / Test Execution: PD-23 / Test: PD-21 - SCB-SSPS_0.1.0 | OPC UA | IoLink Values

Execution Status	Assignee	Executed By	Started On	Finished On	Versions	Revision
PASSED	Malte Rosskamp	Malte Rosskamp	18-12-2023 15:29:56	18-12-2023 15:31:20		

2.4.1. Test Description

None.

2.4.2. Test Issue Attachments

PD-21 has 0 Attachments.

2.4.3. Test Details

This Manual Test has 4 Steps

	Action	Data	Expected Result	Attachments	Comment	Defects	Actual Result	Status
1	**Precondition**		1. The UA Expert is connected to the devboard according to the documentation and the board is active 2. The IoLinkMaster Server is opened					PASSED
2	1. Check the values of the distance sensor		1. The distance sensor values are correct and updated					PASSED
3	1. Check the values of the temperature sensor 2. Heat up the sensor		1. The values are available and make sense 2. The temperature value increased					PASSED
4	1. Check the value of the inductive sensor		1. The value is correct and updated					PASSED

3. Appendix A: Approval

The undersigned acknowledge they have reviewed the **Test Execution** and agree with the approach it presents. Changes to this **Test Execution** will be coordinated with and approved by the undersigned or their designated representatives.

Signature:  *Date:*

Print Name: