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## 1. Scope

The System Test Report details the tests run and their results. Eventual unit tests are contained in the Module definitions themselves.

## 2. Definitions

**TC:** Test Case

**TS:** Test Suite

**TD:** Test Data

**AML:** Automation Markup Language

**CAEX:** Computer Aided Engineering Exchange (Dateityp)

**STR:** System Test Report

**STP:** System Test Plan

### 3. Test Objects

Ref.-ID	Product Number	Product Name
1	V 0.9 (Commit e04822c)	Modelling Wizard for Cables

### 4. Results of Testsuite <TS-001: Local installation>

#### 4.1 Results of <TC-001-001> Access front end on local machine

<b>Testcase ID:</b>	TC-001-001
<b>Testcase Name:</b>	Access front end on local machine
<b>Req.-ID:</b>	LF10
<b>Test Setup:</b>	Install the wizard following the steps in the <a href="#">Installation Guide</a>

#### Test Steps:

Step	Action	Expected result	Actual Result
1	Execute the front end and back end and open the front end webpage at <a href="#">localhost</a> .	The front end cable display list is displayed.	The front end cable display list is displayed.

**Tester:** Leon Amtmann

**Date:** 06.05.2022

**Testcase Result:** PASS

### 5. Results of Testsuite <TS-002: Overview and Navigation>

#### 5.1 Results of <TC-002-001> (Filtering of displayed cables)

<b>Testcase ID:</b>	TC-002-001
<b>Testcase Name:</b>	Filtering of displayed cables
<b>Req.-ID:</b>	LF10 LF30 LF50
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website.

**Test Steps:**

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Enter a string into the search bar	Display list narrows down to only show cables which names contain the search string	see below for different test cases
3	Enter an attribute value in the appropriate field below the search bar and choose whether cables where the attribute is unknown should be shown	Display list further narrows down to only show cables which also fit the attributes provided	See below for different test cases based on TD-002-001 in the <a href="#">STP</a>

Dataset	Expected indices	Actual indices	Result
1	1, 2	1, 2	PASS
2	2, 3	2, 3	PASS
3	<empty>	<empty>	PASS
4	2	2	PASS

**Tester:** Leon Amtmann, Calvin Friedrich

**Date:** 06.05.2022

**Testcase Result:** PASS

## 5.2 Results of <TC-002-002> (Accessing cable details view by clicking on overview cable)

<b>Testcase ID:</b>	TC-002-002
<b>Testcase Name:</b>	Accessing cable details view by clicking on overview cable
<b>Req.-ID:</b>	LF20
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website.

**Test Steps:**

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on cable name	Cable details are presented to the user	Cable details are presented to the user

**Tester:** Leon Amtmann

**Date:** 06.05.2022

**Testcase Result:** PASS

### 5.3 Results of <TC-002-003> (Accessing cable details view by clicking on overview cable)

<b>Testcase ID:</b>	TC-002-003
<b>Testcase Name:</b>	Accessing overview list by browser back button and GUI
<b>Req.-ID:</b>	LF20 LF60
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website. Tested four times: Browser back button, Cancel Button, Save Button (save functionality tested in TC-003-002 and TC-003-003), Icon in top left corner

#### Test Steps:

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Open cable details view by clicking on a cable	Cable details are displayed	Cable details are displayed
3	Click on specified button	Cable overview list is again presented to the user	see below for different executions

Button	Effect	Result
Browser back button	Cable overview list is again presented to the user	PASS
Cancel button	Cable overview list is again presented to the user	PASS
Save button	Cable overview list is again presented to the user	PASS
Icon	Cable overview list is again presented to the user	PASS

## 6. Results of Testsuite <TS-003: Cable Editing>

### 6.1 Results of <TC-003-001> (Create new cable based on user specified input)

**Testcase ID:** TC-003-001

**Testcase Name:** Create new cable based on user specified input

**Req.-ID:** LF70

**Test Setup:** The application should be run locally or the wizard should be used via the website.

**Test Steps:**

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on add button	Cable editor is presented to the user	Cable editor is presented to the user
3	Input cable data	Cable data is shown in editable form to the user, cable is not yet saved	Cable data is shown in editable form to the user, cable is not yet saved.
4	Hit save button	Cable is saved and now available in the cable overview list	Cable is saved and now available in the cable overview list. The resulting cable can be found below

Dataset	Cable in overview?	Attributes connected with cable?	Result
1	Yes	Yes	PASS
2	Yes	Yes	PASS
3	Yes	Yes	PASS
4	No	No	FAIL

**Tester:** Leon Amtmann, Calvin Friedrich

**Date:** 06.05.2022

**Testcase Result:** FAIL

## 6.2 Results of <TC-003-002> (Edit details of existing cable with valid data)

<b>Testcase ID:</b>	TC-003-002
<b>Testcase Name:</b>	Edit details of existing cable with valid data
<b>Req.-ID:</b>	LF60, LF70
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website. At least one valid cable should exist, else at least one needs to be created.

### Test Steps:

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on cable to be edited	Cable details present themselves	Cable details present themselves
3	Click on attribute or specification list	List containing attributes or specifications opens	List containing attributes or specifications opens
4	Enter test data into the field	Field now contains edited data	Field now contains edited data
5	Hit save button	Cable is saved and now available in the cable overview list.	For resulting files, based on TD-003-002 in the <a href="#">STP</a> see below

Dataset	Resulting cable file	Result
1	BCC M314-M414-3E-304-PX0434-035.aml	PASS
2	BCC M313-M413-3E-300-PW3334-015.aml	PASS
3	BCC_M324-M414-3E-304-VX8434-100.aml	PASS

**Tester:** Leon Amtmann, Calvin Friedrich

**Date:** 06.05.2022

**Testcase Result:** PASS

## 6.3 Results of <TC-003-003> (Edit details of existing cable with invalid data)

<b>Testcase ID:</b>	TC-003-003
<b>Testcase Name:</b>	Edit details of existing cable with invalid data
<b>Req.-ID:</b>	LF60, LF70
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website. At least one valid cable should exist, else at least one needs to be

**Testcase**

**ID:** TC-003-003  
created.

**Test Steps:**

Step	Action	Expected result	Actual Result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on cable to be edited	Cable details present themselves	Cable details present themselves
3	Click on attribute or specification list	List containing attributes or specifications opens	List containing attributes or specifications opens
4	Enter test data into the field	Field now contains edited data	Field now contains edited data
5	Hit save button	Error message is presented to the user informing them that the provided information is invalid.	For results based on TD-003-003 in the <a href="#">STP</a> see below

Dataset	Error Message?	Side Effects	Result
1	No	None	FAIL
2	No	Change is rejected, but without error message	FAIL
3	No	Change is accepted, but affected fields are set empty	FAIL

**Tester:** Leon Amtmann

**Date:** 06.05.2022

**Testcase Result:** FAIL

#### 6.4 Results of <TC-003-004> (Export cable as AML)

<b>Testcase ID:</b>	TC-003-004
<b>Testcase Name:</b>	Export cable as AML
<b>Req.-ID:</b>	LF80
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website. At least one valid cable should exist, else at least one needs to be created.

**Test Steps:**

Step	Action	Expected result	Actual result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on cable to be downloaded	Cable details present themselves	Cable details present themselves
3	Click on the download button for specified CAEX version	Cable is downloaded to user machine	Cable is downloaded to user machine, for resulting files, based on TD-003-004 in the <a href="#">STP</a> see below

Dataset	Download on click?	Resulting File	Result
1	No	None	FAIL
2	No	None	FAIL

The feature is not implemented and therefore can not be tested. Only the entire cable library can be downloaded and disassembled into files as in [Testfiles/TC-003-002](#)

**Tester:** Leon Amtmann

**Date:** 06.05.2022

**Testcase Result:** PASS

**6.5 Results of <TC-003-005> (Remove entire cable)**

<b>Testcase ID:</b>	TC-003-005
<b>Testcase Name:</b>	Remove entire cable
<b>Req.-ID:</b>	LF40
<b>Test Setup:</b>	The application should be run locally or the wizard should be used via the website. At least one valid cable should exist, else at least one needs to be created.



**Test Steps:**

Step	Action	Expected result	Actual result
1	Open front end	Display list presents itself	Display list presents itself
2	Click on cable to be downloaded	Cable details present themselves	Cable details present themselves
3	Click on the delete button	Cable is deleted from disk and user is returned to display list.	Cable is deleted from disk and user is returned to display list, for test cases, based on TD-003-005 in the <a href="#">STP</a> see below

Dataset	Deleted in backend?	Shown in Overview?	Result
1	Yes	No	PASS

**Tester:** Leon Amtmann

**Date:** 06.05.2022

**Testcase Result:** PASS