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## 1. AUDIT TRAIL

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Version	Change Description
Version 2.3.5	2.3.5 is an update of the 2.3.4 release with a few bug fixes and improvements


## 2. REMARKS

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## 3. SIGNATURES

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Signature Meaning	Name	Role	Date	Signature
Author	Wolfgang Huber	CTO		
Approver	Yves Berquin	COO		

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## 4. PURPOSE

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Documentation of verification and validation results of Matrix Requirements Release 2.3.7

## 5. SCOPE

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This release with number 2.3.7 is a minor update of the 2.3.4 release. It contains the changes listed in the "Appendix: Changes" below.

## 6. REFERENCES AND APPLICABLE DOCUMENTS

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- **SIGN-342** Verification and Validation Plan, Ver. D
- **SIGN-344** Software Development Plan, Ver.G
- **SIGN-408** Project Kickoff Form
- **SIGN-411** Risk Analysis
- **SIGN-412** Verification and Validation Report, Ver 2.3 Update 5
- **SIGN-413** Release Notes 2.3.5
- **SIGN-414** Release 2.3.5.1092-5bf5296 FDR / Release Form

## 7. RESPONSIBILITIES

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Name	Responsibility
Alois Paulus	coding, testing
François Chasseur	coding, creating tests
Ignas Žakaitis	main tester
Michael Stanton	coding
Rytis Blinkovas	testing
Tilman Schlenker	coding, creating tests, testing
Wolfgang Huber	coding, creating tests, testing
Yves Berquin	coding

## 8. VERIFICATION AND VALIDATION SUMMARY

### 8.1. VALIDATION SUMMARY

No user validation was required due to the scope of changes.

All changes from the previous version are documented covered by tests. All these tests were executed as part of the verification.

### 8.2. VERIFICATION SUMMARY

A total of 17 different tests were execute by 2 people. From these 17 tests 1 initially failed and was repeated successfully after fixing.

The tests were executed in 2 test cycles each covering a different release candidate.

The one test failed, failed because it was was not merged in the release build.

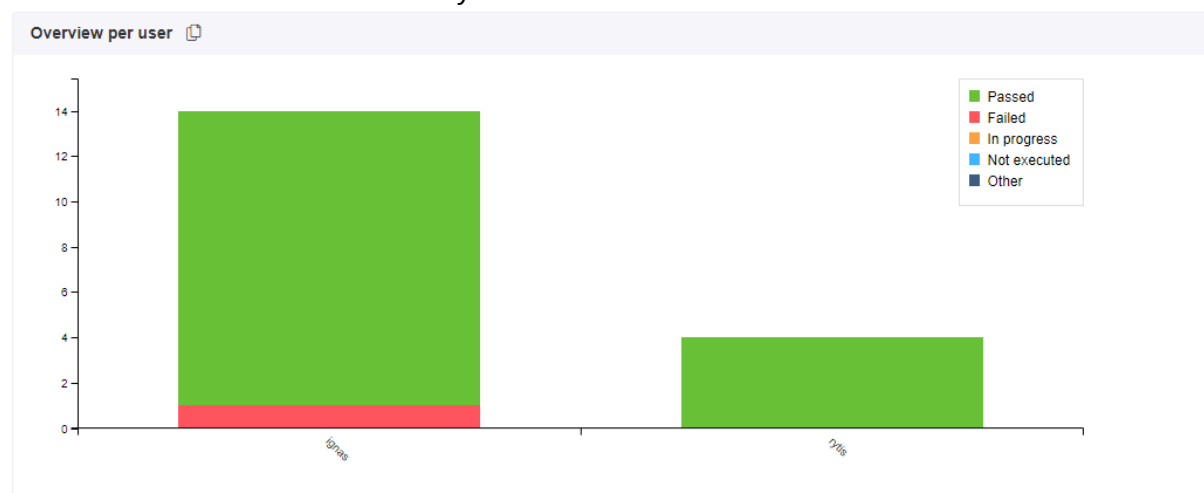
#### 8.2.1. Tested Release Builds

The tests were executed using several builds, with 4 major test cycles.


Build	Test Cycle	Number of Tests	Passed Tests
2.3.5.1091-8760aa2	First Cycle	16	15 / 16
2.3.5.1092-5bf5296	Second Cycle	2	2 / 2

#### 8.2.2. Testers

About 3/4 of tests were executed by one tester:



Tester	# Tests executed
ignas	14
rytis	4

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### 8.2.3. Testes Environment

All tests were executed with the latest versions of the used browsers (safari, brave, chrome), on Windows

#### 8.2.3.1. OS / browser (incl version)

OS / Browser	# Tests
Windows 11 / Brave Browser Version 1.48.167 Chromium: 110.0.5481.104 (Official Build) (64-bit)	12
Windows 11 / Version 110.0.5481.105 (Official Build) (64-bit)	4
Windows 11 / Brave Version 1.48.171 Chromium: 110.0.5481.177 (Official Build) (64-bit)	2

### 8.3. FINAL VERDICT

All addressed issues and improvements have been tested and passed the tests.  
The software build 2.3.7 can be released.

## 9. VERIFICATION DETAILS

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All changes have been reviewed and tests have been executed to ensure they are working.  
The traceability has been reviewed to make sure all changes have been implemented, reviewed and tested as planned.


Notes

- It was verified that above changes were all changes done to the source code (nothing else changed than the planned changes)
- tests were executed after the last code change
- all FEAT have been tested (see Appendix: Test Results)

## 10. VALIDATION DETAILS

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n/a - see above

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## 11. APPENDIX: CHANGES

### **FEAT-885 Login to LiveQMS using SSO did not work**

SSO login only worked for client

Now login also works for LiveQMS

### **FEAT-886 Table control did not render up/downlinks titles when readonly**

The table control can display items references including title. When readonly, it did not display the title.

Now it shows the titles.

### **FEAT-889 Multi-user and group dropdown control incorrectly displays groups as deleted**

In some places user / user group dropdowns did not handle deleted users / user groups correctly.

Now they are correctly rendered

### **FEAT-891 Smart links in My Work page did not render correctly**

When reloading the app smart links were not replaced in the MyWork page

Now they are rendered correctly

### **FEAT-892 Dropdown configuration issue caused Excel export to fail**

Wrongly configured dropdowns could cause errors when printing

Now the export will still work

### **FEAT-893 Some bullet styles did not print correctly**

Some bullet list styling combinations caused print errors

Now they print correctly

### **FEAT-883 Risk probabilities of 0 were not printed in custom PRINT**

The value was not printed, instead undefined was shown

Now a 0 is shown-


### **FEAT-890 Decimal probabilities were not supported in risk configurations**

Word exports did not contain the actual value, but rounded integers.

Now the risks render correctly

### **FEAT-896 Incorrect Risk Rendering**

Some complex risk combinations would display and print incorrectly.

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Now these configuration display and print correctly.


**FEAT-897 AgileSync UI selection issue when syncing only one category**

If there is only one synced category the agile sync dashboard does not allow you to easily select it.

In order to select the category you needed to delete the default selection and add it again. Not it works properly.

## 12. APPENDIX: TEST RESULTS

Item	Tested By	Execution Date	Last Modification	Test Result
<b>FEAT-885</b> Login to LiveQMS using SSO did not work	<b>XTC-2898</b> Oauth redirection with liveQMS (TC-351)	2023/02/27	2023/02/27 16:25:40	passed
<b>FEAT-886</b> Table control did not render up/downlinks titles when readonly	<b>XTC-2888</b> Table Configuration Test (TC-59)	2023/02/23	2023/02/27 10:38:50	passed
<b>FEAT-889</b> Multi-user and group dropdown control incorrectly displays groups as deleted	<b>XTC-2899</b> User Control should not display an "x" (TC-352)	2023/02/23	2023/02/27 10:39:27	passed
	<b>XTC-2900</b> Verify that Onboard New User user selection works (TC-353)	2023/02/23	2023/02/27 10:39:30	passed
	<b>XTC-2901</b> Ensure that multi-user drop down works correctly (TC-354)	2023/02/23	2023/02/27 10:39:33	passed
<b>FEAT-891</b> Smart links in My Work page did not render correctly	<b>XTC-2896</b> Edges cases for deferred tree loading. (TC-343)	2023/02/23	2023/02/27 10:39:16	passed
<b>FEAT-892</b> Dropdown configuration issue caused Excel export to fail	<b>XTC-2892</b> PRINT - dropdowns (TC-359)	2023/02/23	2023/02/27 10:39:05	passed
	<b>XTC-2890</b> Dropdown / (Multi-) Select section (TC-55)	2023/02/23	2023/02/27 10:38:58	passed
<b>FEAT-893</b> Some bullet styles did not print correctly	<b>XTC-2891</b> PRINT Bullets and Numbered Lists (TC-300)	2023/02/23	2023/02/27 10:39:02	passed
<b>FEAT-883</b> Risk probabilities of 0 were not printed in custom PRINT	<b>XTC-2904</b> Risk weight 0 rendering (TC-360)	2023/02/23	2023/02/27 10:39:39	passed
<b>FEAT-890</b> Decimal probabilities were not supported in risk configurations	<b>XTC-2897</b> Check docx/pdf generation of risk tables with very little probabilities (TC-350)	2023/02/23	2023/02/27 10:39:18	passed

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Item	Tested By	Execution Date	Last Modification	Test Result
<b>FEAT-896</b> Incorrect Risk Rendering	<b>XTC-2889</b> Risk Management (TC-6)	2023/02/23	2023/02/27 10:41:20	passed
	<b>XTC-2893</b> Correct Risk iteration (TC-356)	2023/02/23	2023/02/27 10:39:07	passed
<b>FEAT-897</b> AgileSync UI selection issue when syncing only one category	<b>XTC-2894</b> Agile Links: Sync Test (TC-64)	2023/02/23	2023/02/27 10:39:10	passed