GCOP - Release Test Report- Release 1.9.4

Business area?	WBO Reporting Technology??
IT? initiative	Global Controlled Output Process
Date	10 Dec 2019?

Nordea release test report (RTR)

Template history:

Version	DateDat	Author	Description
2.0	01 Apr 2019	BT QA	For release 2019-04-01

Document History:

Version	Date	Author	Description
1.0	02 Dec 2019 ?	Rapacki, Szymon	Draft version.
1.1	10 Dec 2019 ?	Rapacki, Szymon	Ready for review
1.2	10 Dec 2019 ?	Rapacki, Szymon	Version approved.

Approval

Approval date	Approver role	Approver Name	Evidence for approval
10 Dec 2019?	Product Owner	Yuliya Degtyareva	RE GCOP Releas.

1.?Introduction

This document will summarize the test results of all test activities for this release. The purpose of the document is to enable business representatives, IT initiative manager, change advisory board (if applicable), change- and release manager to decide if the release can be approved for deployment into production and for continuous test improvements. The release test report (RTR) will present an overall and final test status for the test levels and test types.

Test levels:

- Static Test
- Component Test (CT)
- Unit Integration Test (UIT)
- System Test (ST)
- System Integration Test (SIT)
- Acceptance Test (AT)

Test types:

- Functional Test
- Non-functional Test (NFT)

All test types can be executed in all test levels. The test result stated in this release test report is related to each requirement and configuration item in scope for the actual release.

1.1 Scope

The test scope for this deployment/ release can be summarized as follows:

key	summary	type	priority	epic link	status	fixVersion

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All above requirements are?**functional**?and?**Go live status**?is Business [B]. There are no dependencies to other IT initiatives/ CR/ req. / applications/ releases, etc.

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1.2 Management summary, rationale for decisions, conclusions and recommendations

Quality gate	Quality gate criteria fulfilment	Rationale for decision	Conclusion & Recommendation
Gate 1 (Requirements)	**PASSED**	Definition of ready for all user stories and tasks taken into sprint is met.	Based on the scope of testing, the actual test result, feedback from the business and considering the risks it is recommended that:
Gate 2 (Code change)	**PASSED**	User Stories and tasks from release scope developed.	
Gate 3 (Ready for Testing)	**PASSED**	Solution is deployed successfully into test environments.	• The release will be deployed into Production without consumption from topics enabled at least till backloading will be finalized
Gate 4 (Release Candidate)	**PASSED**	Release Notes created. All planned test cases executed on all appropriate levels (except CTR-3490). CTR-3490 - "ISR - backload of Calypso settlements from Trade Hub into GCOP. S_SETTLEMENTS" has not been tested on all adequate levels (ST and SIT is missing). It means that there is a risk that functionality can cause issues in the pre-production and production environment. If functionality will not work properly it doesn't make sense to start consumption from TradeHub for S_SETTLEMENT table. Deployment can be done, but consumption from topics can start only after correct backloading.	• Bugs will be prioritized and addressed in the upcoming sprints • Regression test suite will be extended and existing test cases will be updated according to recent changes
Gate 5 (Ready for installation)	**PASSED**	Remedy ticket created for Pre-Production (CRQ000081723639) and Production (CRQ000081722 550) environments.	

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Legend quality gate criteria fulfilment

PASSED	Quality gate criteria are met
NOT PASSED	Quality gate criteria are **not** met

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1.2.1 Quality gate fulfilment constraints

Quality gate fulfilment

Req. #, CR, Feature or story	Quality gate?not met	Quality gate?criteria not met	Reason ?? (for non-fulfilment)	Impact
N/A	N/A	N/A	N/A	N/A

2. Overview of the results

2.1 Static Test

Review of test basis was done as described in Master Test Plan.

2.1.1 Test execution result per requirement Static Test

Test execution result - Static Test

?? ?? ?? ?? ?? ??

Test basis,?test ware and code	Number of test cases				Reason?and defect Id
	PLANNED	PASSED	NO RUN BLOCKED ? NOT COMPLETED	FAILED	
Requirements and specification	N/A	N/A	N/A	N/A	PASSED Requirements and specification approved.
User Stories and tasks	N/A	N/A	N/A	N/A	PASSED Definition of Ready met.
Code metrics	N/A	N/A	N/A	N/A	PASSED Code review done.
Test documentation	N/A	N/A	N/A	N/A	PASSED Test cases quality and coverage approved by Test Manager.
Grand total					?

2.2 Functional test execution result

Functional test execution result

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Test Level	Comment
Component Test (CT)	PASSED
Unit Integration Test (UIT)	PASSED
System Test (ST)	PASSED
System Integration Test (SIT)	PASSED
Acceptance Test (AT)	PASSED

2.2.1 Functional test execution result per requirement

Functional test execution result per requirement

key	summary	type	priority	status	linked tests

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All above requirements are?**functional**?and?**Go live status**?is Business [B]. There are no dependencies to other IT initiatives/ CR/ req. / applications/ releases, etc.

Above user stories and tasks have been tested on all adequate test levels (except CTR-3490). When User Story or task met acceptance criteria and it is tested on appropriate level, status in JIRA has been updated to "Resolved" or "Closed". Testing results should be added as comment under issue in JIRA. If there was no enough time within sprint to test functionality separate testing task has been created in JIRA and test results are described in the testing task. Testing task should be linked ("tests" link type) with User Story / Task in scope. Below is the list of such testing tasks.

ⓘ **Functional test cases executed**

key	summary	type	priority	status	issuelinks

⚠️ Jira project doesn't exist or you don't have permission to view it.

View these issues in Jira

All scheduled tests for this release?**PASSED**.

Tests were executed on Test Levels:?**CT, UIT, ST, SIT, AT** depending on risk assessment and best business knowledge.

Test were executed on environments:?**Dev, Test, UAT**?or all.

All tests for new features were?**manual**.

If there are any defects found, they are reported in JIRA.

CTR-3490 - "ISR - backload of Calypso settlements from Trade Hub into GCOP.S_SETTLEMENTS" has not been tested on all adequate levels (ST and SIT is missing). It means that there is a risk that functionality can cause issues in the pre-production and production environment. If functionality will not work properly it doesn't make sense to start consumption from TradeHub for S_SETTLEMENT table. Deployment can be done, but consumption from topics can start only after correct backloading.

2.2.2 Regression test execution result

Results of the CT and UIT can be found in Bamboo:

Results for gcop can be found here.

Results for gcop-data-collector can be found here.

Regression test execution result

Regression?test area or Req. Id	Test Level*	Test? environment	Test execution? type? ?[Automated /Manual]	Number of test cases				Reason? and defect id
				PLANNED	PASSED	NO RUN / BLOCKED / NOT COMPLETED	FAILED	
ISR regression test cases	ST, SIT	Test	Automated	40	40	0	0	
SFTR regression test cases	ST, SIT	Test	Automated	3	3	0	0	
Grand?Total								

2.3 Non-functional test execution result

Non-functional test execution result

Test Type	Comment
N/A	N/A

2.3.1 Non-functional test execution result per requirement

Non-functional test execution result per requirement

Req. Id. **	Test Level ***? ??	Test environment	Test execution type*? ? [Automated /Manual]??	Test type?	Code version?	Config item unique identifier*	Number of test cases				Comment
							PLANNED	PASSED ?	NO RUN BLOCKED NOT COMPLETED	FAILED	
N/A	N/A	N/A	N/A	N/A	?N/A	?N/A	N/A	N/A	N/A	N/A	?N/A
Grand?Total											?

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* recommended columns

** Req#, CR, Feature or Story

*** CT, UIT, ST, SIT or AT
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2.4 Product test confidence

Test Level	Planned	Passed	Passed /Planned %	Failed	Failed /Planned %	Not fully executed test cases	Not fully executed /Planned %
CT & UIT for gcop-core component	250	226	90.4%	0	0%	24	9.6%
CT & UIT for gcop-data-collector component	58	45	77.6%	0	0%	13	22.4%
ST, SIT	43	43	100%	0	0%	0	0%

2.5 Requirements test coverage

All testable requirements in the release scope (except CTR-3490) are covered by tests. Coverage = **99.2%**

2.6 Open defects

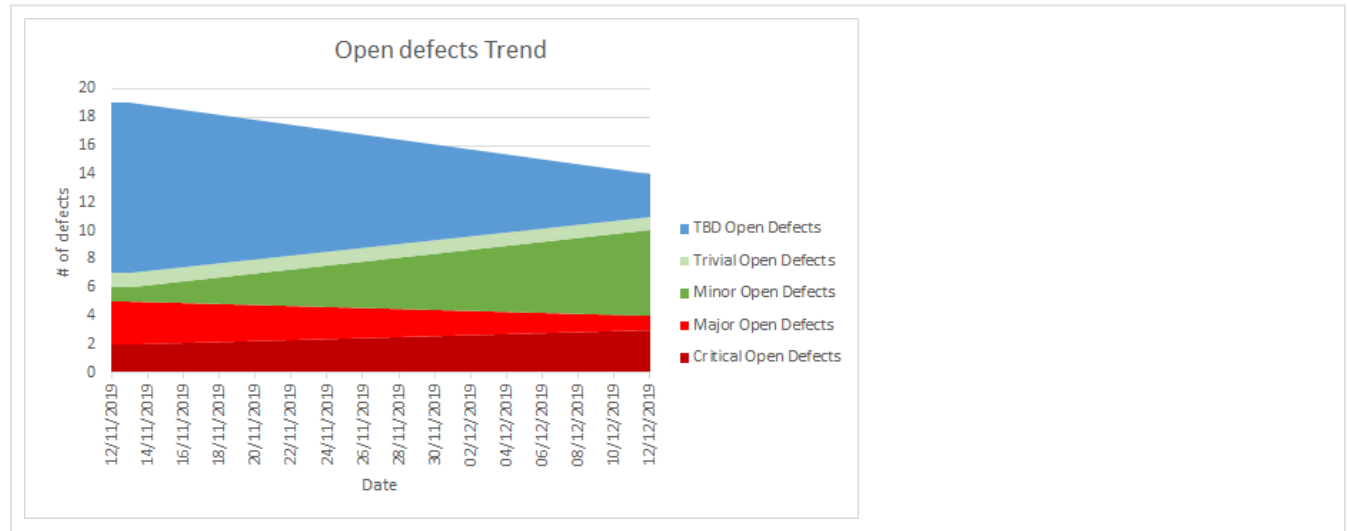| Key	Summary	T	P	Status	Epic Link	Environment
No issues found						

Requirement ID related to particular defect can be found in?**Linked Issues**.

Defect priority?is used as defect severity (see?Master Test Plan) and reflects **Business impact**.
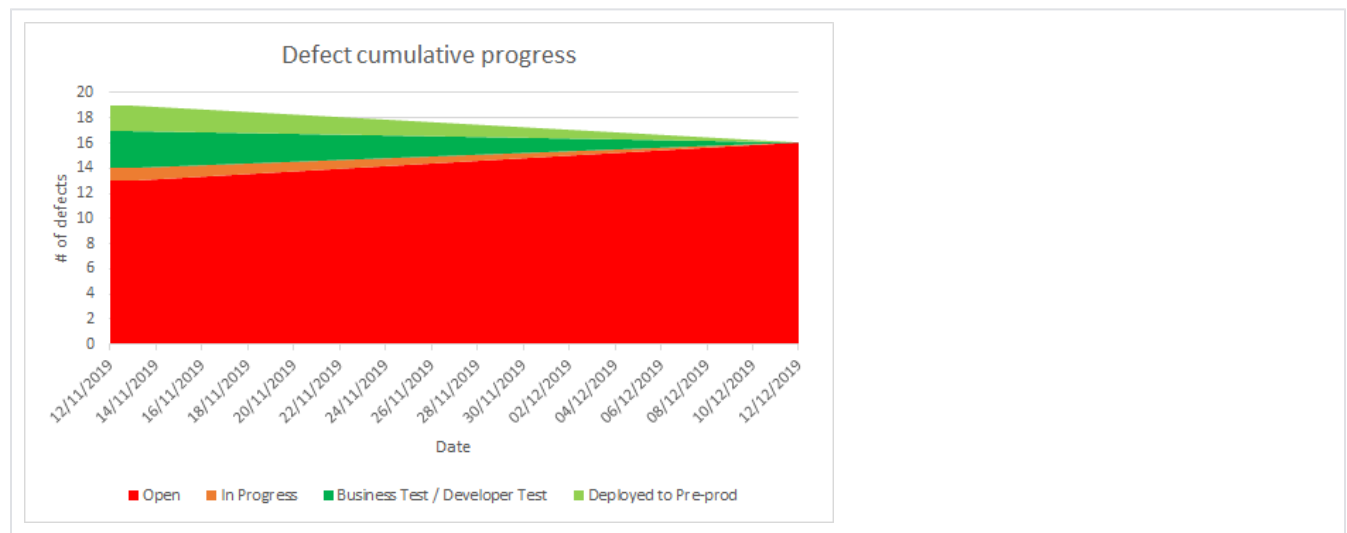
If it is relevant for a defect on which test level it is found (ST, SIT or AT), it is mentioned in defect description. Otherwise assumption can be made that GCOP Team tries to find defects on as low test level as possible.

If a?**workaround**?is required, it is described separately and handed over to Application Operations or known by the business.

2.6.1 Open defects trend

Open defects Trend

2.6.2 Defect cumulative progress

Defect cumulative progress

2.7 Additional metrics

Feature /Story Completion Rate = **100%**

3 References

References

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Document	File Location / Attachment
Release Test Plan	Release Test Plan
Master Test Plan	Master Test Plan
Glossary	See IT initiative MTP