**JBA Test Specification**

**Document ID: Doc\_JBA\_v.1.1.0\_TS\_OQ**

**According to GAMP5 Appendix D5 (ISPE, pp. 198-199)**

**Document History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **What** | **Who** | **When** | **Comment/Signature** |
| 0.1 | Initial Document | T’Challa | 11-Jun-2020 |  |
| 0.2 | Finalised Template | T’Challa | 15-Jun-2020 | sig. ct |
| 0.3 | Reviewed | Patricia Walker | 15-Jun-2020 | sig. wp |
| 1.0 | Approved | Hank McKoy | 15-Jun-2020 | sig. mh |

**Classification**

This document describes the mandatory procedure to be followed in relation to the performance of OQs for the JBA software.

**Introduction**

This document is based on the approved Test Plan Doc\_JBA\_v.1.1.0\_TP from May 29, 2020. It is specifically dedicated to the OQ for JBA\_v.1.1.0.0. As defined in the Test Plan, this document was written by the Test Analyst, reviewed by the SME and approved by the Process Owner. It describes the OQ part of the JBA v.1.1.0.0 verification process consisting on IQ, OQ and PQ.

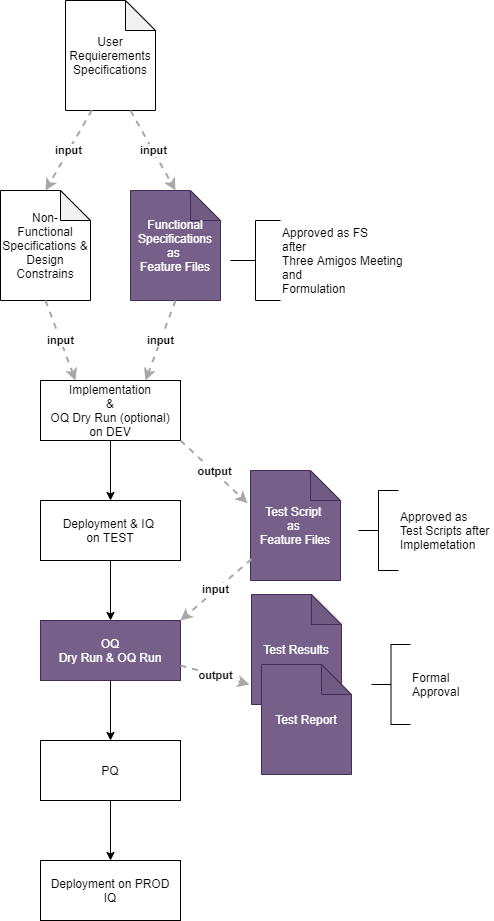


Figure:

Overview of the whole verification process, with the OQ part highlighted within that process.

**Purpose**

This document defines the set-up and the rules that have to be respected in order to achieve a valid OQ. It guarantees a consistent embedding of the OQ in the whole verification process. The goal of the OQ is to get the formal prove, that the defined functional specifications are met.

**Version of Software and corresponding OQ tests**

Version of Software to be verified in this OQ:

* JBA v.1.1.0.0

OQ Tests with a full Test Review to be performed on following feature files:

* Setting the baseline weight measurement, signature Version 1.0.0.0 approved by the Process Owner the 4th of June 2020
* Consent management, signature Version 1.0.0.0 approved by the Process Owner the 15th of June 2020

OQ Tests with a partial Test Review

* Registration of a participant, signature Version 1.0.0.0 approved by the Process Owner the 4th of June 2020
* Participant’s overview, signature Version 1.0.0.0 approved by the Process Owner the 4th of June 2020

**Personnel**

Following roles and persons have an active role in performing valid OQs:

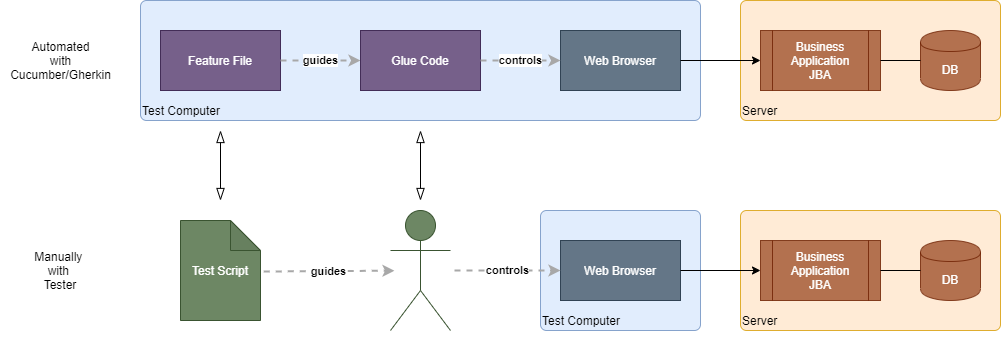
* Test Analyst: T’Challa, ct
* Process owner: Hank McKoy, mh
* SME: Patricia Walker, wp
* Tester: Scott Lang, ls
* Test Reviewer: Patricia Walker, wp
* Quality Unit: Hope Pym, ph

**Methods**

The OQ on JBA will be done by the test automation software OQ Test App. In order to assure and confirm the correctness of the tests, a test review will be performed in a similar way as would have been done for testing performed by a human tester. The review is based on the Test Results displayed in Scenarioo. The process shown in the Annexe will be followed.

**OQ Testing**

The OQ is done in an automated way based on the feature file (test scripts) and the glue code (automated tester).



Next to performing the automated tests, all tasks as described in the document Doc\_JBA\_v.1.1.0\_TER\_OQ version 1.0 have to be completed. This document has also to be used as form to be filled in. The filled-in and signed form will accompany the automated test results.

The test results and the finalised and signed Doc\_JBA\_v.1.1.0\_OQ will be put in a folder named with the test id and the Tester’s initials. After zipping the folder, it is digitally signed and stored in following location:

[\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestResults](file:///\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestResults)

**Test Review**

The test results will be reviewed and based on that review a report will be written.

To guide that process the document Doc\_JBA\_v.1.0.0\_TRep\_OQ version 1.0 has to be used, filled in and signed by the Test Reviewer.

In order to view the test results in Scenarioo, the zip file found in

[\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestResults](file:///\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestResults) is taken and checked if the signature of the tester (the tester’s initials should be found in the name of the zip-file) is valid. The zip-file is unzipped and the folder with the test results is put into the location

[\\dia\InterneProjekte\BDD4OQ\Scenarioo\Reports\v.1.1.0](file:///\\dia\InterneProjekte\BDD4OQ\Scenarioo\Reports\v.1.1.0branch)

Scenarioo can then be started and the results viewed in the Chrome browser with following url: <http://localhost:8080/scenarioo/>

The filled-in and signed form Doc\_JBA\_v.1.0.0\_TRep\_OQ should be placed in following folder for approval:

[\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestReview](file:///\\dia\InterneProjekte\BDD4OQ\JBA\v.1.1.0.0\OQ\TestReview)

Two types of Test Reviews are foreseen:

* Full Test Review, for which each step with screenshot and the other available data needs to be verified: The goal is, that the new functionalities and their integration is fully verified. Therefore, the full Test Review is foreseen for all tests defined in new feature files, or feature files that where subjected to changes since last OQ and for feature files that prove the correct integration. If whished by the SME or Process Owner some additional feature files could be also subjected to the full Test Review (e.g. they might be of special business criticality).
* Partial Test Reviews, for which the step by step verification can be omitted, as it concerns functionalities that did not change (regression tests) and for which it has been proven in a former OQ process, that the OQ Test App is working correctly and as expected[[1]](#footnote-1).

**Test Approval**

The Doc\_JBA\_v.1.1.0\_TRep\_OQ that was filled and signed by the Test Reviewer is reviewed and approved by the QA. The signature of the QA allows to continue for the PQ.

**Prerequisites**

Before the OQ shall be performed following prerequisites needs to be fulfilled:

* Successfully performed IQs
* Successfully reviewed Glue Code by the Tester
* Successful Integration of the Feature File and Glue Code in the OQ Test App
* Reviewed and Approved Feature Files by the SME and the Process Owner respectively
* Successfully performed Dry Run

**Environment**

JBA Test Environment Platform on which the software was deployed and verified by successfully performed IQs.

**Tools** (including automated test tools)

Following tools have to be used:

* OQ Test App: To perform the OQ testing in an automated way
* Scenarioo: To display the test results for review and approval
* Word: in order to complete the word templates.

**Reference to Specifications**

As the feature file is the specification and the test script in one, there is no specific reference to the specifications required. Each feature file has the reference to the underlying requirement noted in the ‘Specification brief’ section of the feature file (description right underneath the feature name). The reference consists on the unique identifier of the respective Jira user story.

**Required Documentation**

Following documentation are required for OQ:

* Feature Files: Written by the ThreeAmigos or a delegate, reviewed by the SME and approved by the Process Owner.
* Glue Code: Written by the supplier (incl a code review), 2nd code review by the Tester on the changed parts of the Glue Code.
* Test Result: consists of the autogenerated test results by the OQ Test App and the filled in document Doc\_JBA\_v.1.1.0\_TER\_OQ version 1.0: reviewed by the Test Reviewer, approved by the QA
* Test Report based on Doc\_JBA\_v.1.1.0\_TRep\_OQ version 1.0: filled in by the Test Reviewer, reviewed and approved by the QA

**Test Analyst**

Place, Date Name Signature

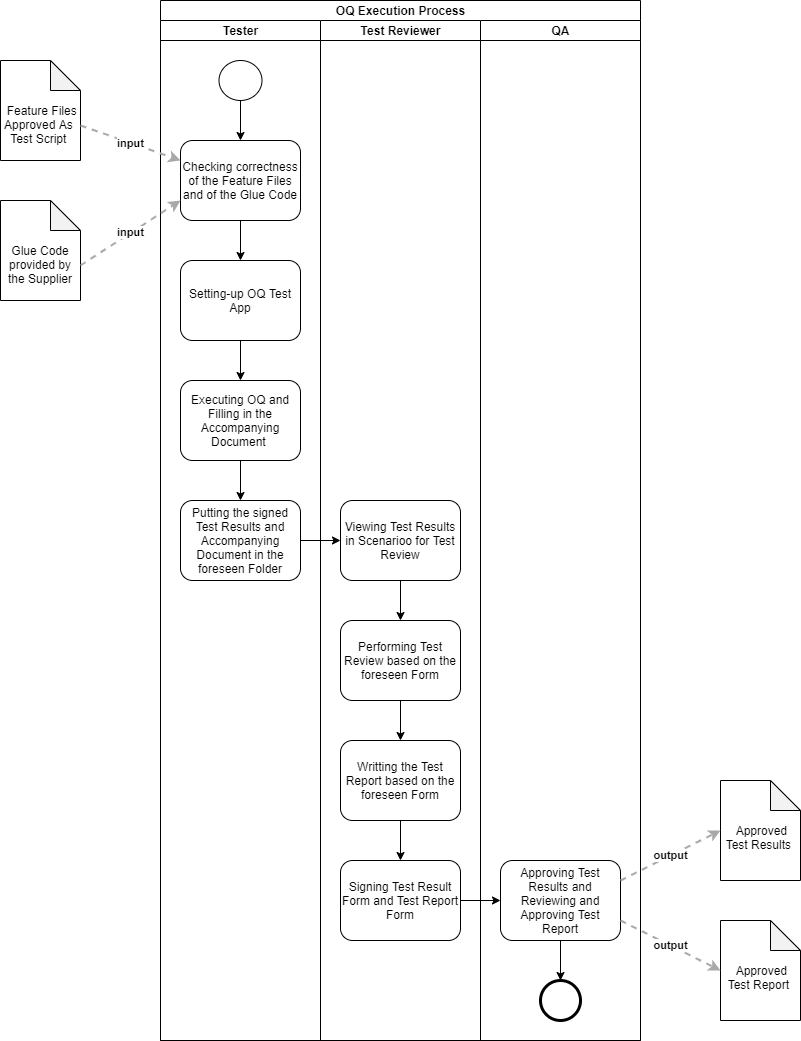
**Reviewed**

Place, Date Name Signature

**Approved**

Place, Date Name Signature

**Annexe**



1. This allows that the complete specification suite is tested in the OQ of each new version, which would not be possible if performed manually. [↑](#footnote-ref-1)