|  |  |  |
| --- | --- | --- |
| WRICEF ID |  |  |
| Development package |  | **User Story** |  |
| Development name |  |
| Developer |  | **Test date** | <dd/mm/yyyy> |
| System |  | **Client** |  |

# Manual test steps

These manual steps have to be checked by the Development Quality Lead.

Note: The section references always refer to the respective applicable version of the development guideline for SAP-System and roll-out developments

|  |  |  |
| --- | --- | --- |
| **No.** | **Test steps** | **Action** |
| **100** | **ABAP development conventions** |  |
| 102 | There is no fixed value programming in the program code |

|  |
| --- |
|[ ]  Checked |

 |
| 103 | The entire program road is formatted to be legible (Pretty Printer) |

|  |
| --- |
|[ ]  Checked |

 |
| **110** | **SAPUI5 conventions for frontend development** |

|  |
| --- |
|[ ]  Not relevant |

 |
| 111 | The applicable guideline version for development using SAPUI5 has been followed. |

|  |
| --- |
|[ ]  Checked |

 |
| 112 | Naming conventions for variables, public/private functions, name spaces, module names etc. have been followed.  |

|  |
| --- |
|[ ]  Checked |

 |
| 113 | Only the standard libraries were used |

|  |
| --- |
|[ ]  Checked |

 |
| 118 | The application has multi-language capability in accordance with internationalisation guidelines. All texts and messages visible to users are available in German and English and can be translated into other languages via the SAP translation environment  |

|  |
| --- |
|[ ]  Checked |

 |
| **130** | **Translation and documentation** |  |
| 131 | All function modules and programs contain the SAP-System program header. All complex code sections and code sections that are important for the program flow are documented in English in the program code |

|  |
| --- |
|[ ]  Checked |

 |
| 132 | All error messages are formulated to be comprehensible and informative and inform the user of how to correct the error |

|  |
| --- |
|[ ]  Checked |

 |
| 133 | All development objects on user interfaces/tables have an F1 help |

|  |
| --- |
|[ ]  Checked |
|[ ]  Not relevant |

 |
| 134 | All development objects on user interfaces/tables have an F4 input help |

|  |
| --- |
|[ ]  Checked |
|[ ]  Not relevant |

 |
| 135 | Commented-out program code from previous SAP-System releases has been deleted  |

|  |
| --- |
|[ ]  Checked |
|[ ]  Not relevant |

 |
| 136 | The technical documentation has been supplemented or completed. Notes in blue font have been removed from the document. |

|  |
| --- |
|[ ]  Checked |

 |

|  |  |  |  |
| --- | --- | --- | --- |
| **140** | **Usability guidelines** |

|  |
| --- |
|[ ]  Not relevant |

 |
| 145 | Forms have been tested on the printer drivers supported by SAP-SYSTEM and the layout has been checked. Test prints in A4/letter or A5/half letter have been created successfully. |

|  |
| --- |
|[ ]  Checked |
|[ ]  Not relevant |

 |

|  |  |  |
| --- | --- | --- |
| **170** | **Patches** |  |
| 171 | All the patches carried out for the development package have been adopted in the current release. |

|  |
| --- |
|[ ]  Checked |

 |

# ABAP Test Cockpit (ATC) Test Result

The ABAP Test Cockpit will be performed by the developer.

|  |  |  |  |
| --- | --- | --- | --- |
| **Person responsible for the package** | <A. Developer> | **Date of preliminary scan** | <xx/yy/zzzz> |
| **Package** | <> | **Date of final scan** | <xx/yy/zzzz> |

For existing packages, the developer must perform and then document a preliminary scan prior to making enhancements. Once the development is complete, another scan must be performed, the result of which must be recorded in the “final result”. These two items of information form the basis for assessment whether the source quality for the KPIs specified in the applicable guidelines has been reached.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Description** |  | **Priority 1** | **Priority 2** | **Priority 3** |
| **200** | **Total number of tests** | **Preliminary scan** |  |  |  |
|  | **Final result** |  |  |  |
| **General tests** |
| 201 | Table property statistics | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **Performance tests** |
| 202 | Analysis of the WHERE condition for SELECT | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 203 | Analysis of the WHERE condition for UPDATE and DELETE | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **No.** | **Description** |  | **Priority 1** | **Priority 2** | **Priority 3** |
| 204 | SELECT statements that read past the table buffer | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 205 | Modifying database accesses in loops | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 206 | Nested loops | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 207 | Modifying database accesses in loops | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 208 | Nested loops | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 209 | 'EXIT' or no statement in SELECT...ENDSELECT loop | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 210 | SELECT statements with subsequent CHECK | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 211 | Poorly performing operations on internal tables | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 212 | SORT statement in loop | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 213 | Unfavourable performance in parameter transfers | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 214 | Copying large data objects | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 215 | Testing the table properties | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 216 | Instance generation by BAdIs | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **Security tests** |
| 217 | Critical statements | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 218 | Dynamic and client-specific access in the SELECT statement | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 219 | Dyn. and client-specific accesses with INSERT, UPDATE, MODIFY, DELETE | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 220 | Client-specific shared objects Methods | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **Robust programming** |
| 221 | Search for APPEND and INSERT ... INDEX for SORTED tables | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 222 | Complex WHERE condition in SELECTstatement | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 223 | Testing the SY-SUBRC handling | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |
| 224 | Insecure use of FOR ALL ENTRIES | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **SAP-SYSTEM ATC tests** |
| 225 | SAP-SYSTEM DDIC test | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 226 | SAP-SYSTEM test object translation | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 227 | SAP-SYSTEM Governance Model tests | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **No.** | **Description** |  | **Priority 1** | **Priority 2** | **Priority 3** |
| 228 | SAP-SYSTEM naming conventions | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 229 | SAP-SYSTEM package hierarchy test | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 230 | SAP-SYSTEM test of critical statements | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 231 | SAP-SYSTEM enhanced program test (SLIN) | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| **Internal performance tests** |
| 232 | Test SQL trace: Analysis of the WHERE condition for SELECT | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 233 | Test SQL trace: Access to buffered tables | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 234 | Test SQL trace: Explain for all SELECT statements | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 235 | SELECTs in loops [obsolete] | Preliminary scan |  |  |  |
|  | Final result |  |  |  |
| 236 | Proxy tests | Preliminary scan |  |  |  |
|  | Final result |  |  |  |

# Test result with Virtual Forge Code Profiler

Virtual Forge Code Profiler will be performed by the Developer.

|  |  |  |  |
| --- | --- | --- | --- |
| **Person responsible for the package** | <A. Developer> | **Date of preliminary scan** | <xx/yy/zzz> |
| **Package** | <> | **Date of final scan** | <xx/yy/zzz> |
| **Scenario name** | < > | **Test case group** | <xx\_yy> |

For existing packages, the developer must perform a preliminary scan prior to making enhancements and document it in the “preliminary scan”” row. Once the development is complete, another scan must be performed, the result of which must be recorded in the “final result”. These two items of information form the basis for assessment whether the source quality for the KPIs specified in the applicable guidelines has been reached.

**Overall result[[1]](#footnote-2)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Test domain** | **Type of test** | **Number of critical findings****Appr. level: “Mandatory”****Find. type: “Flaw”** | **Findings****total** |
| **Impact****“Very high”** | **Impact:****“High”** |
| **300** | **Overall test** | **Preliminary scan** |  |  |  |
|  |  | **Final result** |  |  |  |
| 301 | Security | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |
| 302 | Compliance | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |
| 303 | Performance | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |
| 304 | Maintainability | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |
| 305 | Robustness | Preliminary scan |  |  |  |
|  |  | Final result |  |  |  |

# Test Case Technical Steps

**These Technical Steps have to be performed by the Developer.**

## Views (Tables)

|  |  |  |
| --- | --- | --- |
| **Object** | **Desccri** | **Teststatus** |
| **View (Tabellen) prüfen (30 Usability/ 40 Translation)** |  |
| *<View>* | *<Viewname>* | *<i.O.>* |  |  |
|  |  |  |  |  |
| … |  |  |  |  |

## Transaktionen und UIs

|  |  |  |
| --- | --- | --- |
| **Object** | **Description** | **Teststatus** |
| **Transactions and UIs (30 Usability/ 40 Translation)** |  |
| *<Transaktion>* | *< Transaktionsname* | *<i.O.>* |  |  |
| *<UI>* | *< user interface name>* |  |  |  |
|  |  |  |  |  |
| … |  |  |  |  |

# Test Case Functional Steps

These funcitonal Steps have to be performed by the Developer.

## Overview and Status

|  |  |  |
| --- | --- | --- |
| **Test-ID** | **Use Case Headline and short description** | **Teststatus** |
|  |  |
| *Step.No* | *Start transaction xy* | *Ok/open/failed* |  |  |
| *Step No* | *Enter supplier no* |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Documentation Testresult

### Step.No

*Result / Hardcopy*

### Step-No

*Result / Hardcopy*

# Comments

|  |  |  |
| --- | --- | --- |
| **No.** | **Description** | **Responsible** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# Developers Involved

|  |  |  |  |
| --- | --- | --- | --- |
| **User ID** | **Name** | **Test date** | **Grouping ID from Dev Planning[[2]](#footnote-3)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Confirmations

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Name, first name** | **Date** | **Checked** |
| Person responsible for the package (PV) |  |  |[ ]
| PS company coordinator |  |  |[ ]
| Local development coordinator  |  |  |[ ]
| SAP Systemmanagement |  |  |[ ]

1. [↑](#footnote-ref-2)
2. [↑](#footnote-ref-3)