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| Test Script  SAP S/4HANA - 18-09-20 | public |
| SAP Fiori Analytical Apps for Quality Management (2V0) |

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# Purpose

For quality management scenarios, this scope item provides overview pages for the quality technician and the quality engineer. The quality engineer overview page displays important information and tasks related to quality inspection management with a focus on usage decisions (for example, inspection lots without or ready for usage decision), defects, action limits, and quality levels. The quality technician overview page focuses on processing of the inspection lot and executing the quality inspection. In addition, apps for the detailed analysis of the past and current quality situation are provided. The quality engineer can analyze accepted and rejected inspection lots with respect to different KPIs (such as quality score) and drill down by accounting for additional parameters (for example, plant, material, supplier). Defects and results history can be analyzed to deduce measures to improve the current quality situation.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

# Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Quality Engineer | SAP\_BR\_QUALITY\_ENGINEER | Quality Engineering | SAP\_BR\_QUALITY\_ENGINEER |  |
| Quality Technician | SAP\_BR\_QUALITY\_TECHNICIAN | Quality Inspection | SAP\_BR\_QUALITY\_TECHNICIAN |  |

## Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company has been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and vendors, for example, depending on the operational focus of your company.

Use your own master data or sample data in Preliminary Steps to go through the test procedure.

## Business Conditions

The scope items listed below describe how to create business data. Carry out the required steps in order to obtain data that can be analyzed leveraging the apps described in this document.

|  |  |
| --- | --- |
| Scope Item ID | Business Condition |
| 1E1 – Quality Management in Discrete Manufacturing | Must be run before this test script. |
| 1FM – Quality Management in Procurement | Must be run before this test script. |
| 1MR – Quality Management in Stock Handling | Must be run before this test script. |
| 1MP – Quality Management in Sales | Must be run before this test script. |

# Overview Table

This scope item SAP Fiori Analytical Apps for Quality Management consists of several process steps provided in the table below.

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | Transaction/App | Expected Results |
| [Quality Engineer Overview](#unique_8)  [page ] 8 | Quality Engineer | Quality Engineer Overview (F2360) | Overview page is displayed correctly. |
| [Quality Technician Overview](#unique_9) [page ] 12 | Quality Technician | Quality Technician Overview (F2361) | Overview page is displayed correctly. |
| [Analyze Accepted and Rejected Lots](#unique_10) [page ] 16 | Quality Engineer | Inspection Lot Analytics | The SAP Fiori app is running correctly. |
| [Analyze Skipped and Non Skipped Lots](#unique_11) [page ] 19 | Quality Engineer | Inspection Lot Analytics | The SAP Fiori app is running correctly. |
| [Analyze Inspection Lots Leveraging Inspection Lot Detailed Analytics](#unique_12) [page ] 21 | Quality Engineer | Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273) | The SAP Fiori app is running correctly. |
| [Analyze Inspection Characteristics](#unique_13) [page ] 23 | Quality Engineer | Inspection Lot Analytics | The SAP Fiori app is running correctly. |
| [Analyze Inspection Characteristics Leveraging Inspection Characteristic Detailed Analytics](#unique_14) [page ] 25 | Quality Engineer | Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273) | The SAP Fiori app is running correctly. |
| [Manage Defects](#unique_15) [page ] 30 | Quality Engineer | Manage Defects (F2649) | The SAP Fiori app is running correctly. |
| [Display Results History](#unique_16) [page ] 32 | Quality Engineer | Display Results History (F2428) | The SAP Fiori app is running correctly. |
| [Quality Level History - Skip Rate in Last 180 Days](#unique_17) [page ] 34 | Quality Engineer | Quality Level History | The SAP Fiori app is running correctly. |
| [Manage Control Charts](#unique_18) [page ] 37 | Quality Engineer | Manage Control Charts (F2810) | The SAP Fiori app is running correctly. |
| [Manage Quality Tasks](#unique_19) [page ] 40 | Quality Engineer | Manage Quality Tasks (F3381) | The SAP Fiori app is running correctly. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Quality Engineer Overview

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Quality Engineer Overview shows in a single page the most important information and tasks related to inspection management that are relevant for you right now. The information is displayed on set of cards.

Procedure

Quality Engineer Overview Page - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori launchpad displays. |  |
| 2 | Access the App | Open Quality Engineer Overview (F2360). | Check that the app starts correctly and that (at least) the following cards are displayed (exact names might vary):  Action Limit Violations  Q-Info Records with Exceptions  Quality Levels for Characteristics  Inspection Lots Without Usage Decision  Inspection Lots Ready for Usage Decision  Quality Levels for Inspection Lots  Inspection Severity of Next Inspection Stage  Inspection Lots Without Inspection Plan  Open Quality Tasks by Planned End  Open Quality Tasks by Processor Assignment |  |
| 3 | Filter Cards | At the top of the Quality Engineer Overview page, you could filter cards based on different values of Plant and Inspection Lot Origin.  Additional fields can be added via Adapt Filters and selecting More Filters in the dialog box. | Check if the content of the corresponding cards is filtered accordingly. |  |
| 4 | Pass On Filter Criteria to Corresponding App | If you have an active filter criteria (for example, filtered via a specific supplier), click on different card headers. | Check if the filter values from the Quality Engineer Overview page have been applied in the corresponding App / KPI drilldown as well. |  |
| 5 | Hide Cards | Choose the User Icon at the top right of the page.  Choose Manage Cards.  Disable various cards via the toggle buttons in the dialog box and choose OK.  In the same way, you can add the cards to the Overview Page again (or simply choose Reset in the Manage Cards dialog box).  In addition, you can drag and drop the cards on the Quality Engineer Overview Page. | Check if the cards can be rearranged, hidden, and shown again. |  |

Quality Engineer Overview Page - Card Specific Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Q-Info Records with Exceptions, Quality Levels for Characteristics, Inspection Lots Without Usage Decision, Top Defective Codes, Quality Levels for Inspection Lots, Inspection Severity of Next Inspection Stage, Action Limit Violations, Inspection Lots Without Inspection Plan, Open Quality Tasks by Planned End / Process Assignment | After launching the Quality Engineer Overview Page, investigate the following cards:  Q-Info Records with Exceptions  Quality Levels for Characteristics  Inspection Lots Without Usage Decision  Inspection Lots Ready for Usage Decision  Quality Levels for Inspection Lots  Inspection Severity of Next Inspection Stage  Action Limit Violations  Inspection Lots Without Inspection Plan  Open Quality Tasks by Planned End  Open Quality Tasks by Processor Assignment | The data is shown as expected. |  |
| 2 | Header Navigation to Apps | Click on the headers of these cards. | Inspection Lots Without Inspection Plan: Selecting the header takes you to the Manage Inspection Lots (F2343) app.  Inspection Lots Without Usage Decision: Selecting the header takes you to the Manage Usage Decisions (F2345) app.  Inspection Lots Ready for Usage Decision: Selecting the left area takes you to the Manage Usage Decisions (F2345) app.  Inspection Severity of Next Inspection Stage: Selecting the header takes you to the Manage Quality Levels (F2914) app.  Quality Level for Inspection Lots: Selecting the header takes you to the Manage Quality Levels (F2914) app.  Quality Level for Characteristics: Selecting the header takes you to the Manage Quality Levels (F2914) app.  Open Quality Tasks by Planned End / Processor Assignment: Selecting the header takes you to the Manage Quality Tasks (F3381) app. |  |
| 3 | Item Navigation to Apps | Click on items of these cards. | Inspection Lots Without Inspection Plan: Selecting an item takes you to the Manage Inspection Lot screen.  Inspection Lots Without Usage Decision: Selecting a section of the donut chart also takes you to the Manage Usage Decisions app, but the inspection lots are now filtered based on the results recording status of the selected section.  Inspection Lots Ready for Usage Decision: Selecting the right area opens a collection of scrollable cards, with each card representing an inspection lot that is ready for usage decision, along with the option to make a usage decision for that inspection lot.  Inspection Severity of Next Inspection Stage: Selecting a column also takes you to the Manage Quality Levels (F2914) app, but the quality levels for inspection lots and characteristics are now filtered based on inspection severity.  Quality Level for Inspection Lots: Selecting a section of the donut chart also takes to the Manage Quality Levels (F2914) app, but the quality levels for inspection lots are now filtered based on skip status.  Quality Level for Characteristics: Selecting a section of the donut chart also takes to the Manage Quality Levels (F2914) app, but the quality levels for characteristics are now filtered based on skip status.  Open Quality Tasks by Planned End / Processor Assignment: Selecting the bar or a section of the donut chart takes you to the Manage Quality Tasks app, but the quality tasks are now filtered based on the date or processor assignment status. |  |

## Quality Technician Overview

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The Quality Technician Overview shows in a single page the most important information and tasks related to inspection management that are relevant for you right now. The information is displayed on set of cards.

Procedure

Quality Technician Overview Page - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Technician. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open the Quality Technician Overview (F2361) app. | Check that the app starts correctly and that (at least) the following cards are displayed (exact names might vary):  Inspection Lots with Open Results Recording, No Inspection Points  Inspection Lots Without Inspection Plan  My Tasks  Inspection Lots with Open Results for Inspection Points |  |
| 3 | Filter Cards | At the top of the Quality Technician Overview (F2361)page, you could filter cards based on different values of Plant and Inspection Lot Origin.  Additional fields can be added via Adapt Filters and selecting More Filters in the dialog box. | Check if the content of the corresponding cards is filtered accordingly. |  |
| 4 | Pass On Filter Criteria to Corresponding App | If you have an active filter criteria (for example, filtered via a specific supplier), click on different card headers. | Check if the filter values from the Quality Technician Overview (F2361) page have been applied in the corresponding App / KPI drilldown as well. |  |
| 5 | Hide Cards | Choose the User Icon at the top left of the page.  Choose Manage Cards.  Disable various cards via the toggle buttons in the dialog box and choose OK.  In the same way, you can add the cards to the Overview Page (F2635) again (or simply choose Reset in the Manage Cards dialog box).  In addition, you can drag and drop the cards on the Quality Technician Overview Page. | Check if the cards can be rearranged, hidden, and shown again. |  |

Quality Technician Overview Page - Card Specific Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Inspection Lots Without Inspection Plan, Inspection Lots with Open Results Recording, No Inspection Points, My Tasks, Inspection Lots with Open Results for Inspection Points | After launching the Quality Technician Overview (F2361)page, investigate the following cards:  Inspection Lots with Open Results Recording, No Inspection Points  Inspection Lots Without Inspection Plan  My Tasks  Inspection Lots with Open Results for Inspection Points |  |  |
| 2 | Header Navigation to Apps | Click on the headers of these cards. | Inspection Lots Without Inspection Plan: Selecting the header takes you to the Manage Inspection Lots (F2343) app.  Inspection Lots with Open Results Recording, No Inspection Points: Selecting the header takes you to the Record Inspection Results app.  My Tasks: Selecting the header takes you to the Process Quality Tasks (F3250) app where processor equals the current user.  Inspection Lots with Open Results for Inspection Points: Selecting the header takes you to the Record Results for Inpsection Points app. |  |
| 3 | Item Navigation to Apps | Click on items of these cards. | Inspection Lots Without Inspection Plan Selecting an item takes you to the Change Inspection Lot screen.  Inspection Lots with Open Results Recording, No Inspection Points: Selecting a column also takes you to the Record Inspection Results app, but the inspection lots are now filtered based on the end date of inspection.  My Tasks: Selecting the item takes to the object page of the corresponding task.  Inspection Lots with Open Results for Inspection Points: Selecting a column also takes you to the Record Results for Inpsection Points app but the results are now filtered based on the end date of inspection. |  |

## Analyze Accepted and Rejected Lots

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to analyze inspection lots by Time, Materials, Suppliers, Inspection Types, Customers, etc. The information system allows you to display accepted and rejected inspection lots with respect to time, inspection type, or material and plant. You can drill down a hierarchy to carry out specific analysis or compare suppliers, materials, etc. A vast number of chart types enables you to visualize data according to your requirements.

Procedure

Inspection Lot Analytics - Key Figures - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the app | Open the Inspection Lot Analytics - UDs Made in Last 365 Days app. | The Inspection Lot Analytics screen displays. |  |
| 3 | Filter the Inspection Lots | In the Key Figures section, you can filter by UD Made on - Date Function.  Additional fields can be added via Adapt Filters and selecting More Filters in the dialog box.  You can also add fillters by choosing Add Filter in the top left. | Check if the content of the corresponding cards is filtered accordingly. |  |
| 4 | Change Displayed Data | From the drop down in the upper left of the chart, select the data that should be displayed, for example:  Accepted and Rejected Lots by Time Series  Accepted and Rejected Lots by Inspection Type  Accepted and Rejected Lots by Material and Plant  Lots Skipped and Not Skipped by Time Series  Lots Skipped and Not Skipped by Inspection Type  Lots Skipped and Not Skipped by Material and Plant | Respective data is displayed in a column chart (default setting)  Accepted and Rejected Lots: The number of accepted and rejected lots is shown in a stacked column chart (left y-axis). The rejection rate is displayed in a bar chart (right y-axis)  Lots Skipped and Not Skipped: The number of skipped and non-skipped lots is shown in a stacked column chart (left y-axis). The skip rate is displayed in a bar chart (right y-axis) |  |
| 5 | Switch to Table View | Choose Tabular View on the upper right of the chart. | The graphical view is replaced with a table view. |  |
| 6 | Switch Back to Graphical View | Choose Chart View on the upper right of the table. | The table view changes back to a graphical view. |  |
| 7 | Change Display Settings | Choose Settings on the upper right of the chart.  Select a different chart type, activate a data item by selecting the box and select an appropriate role of the data item. | The graphical view is adapted according to your chosen settings. |  |
| 8 | Reset to Default View | Open Settings, choose button Restore and button OK. | Data is displayed as defined in the default settings. |  |
| 9 | Remove the Filter | Choose the Reset Filter on the top right of the page, choose OK in the Reset Filters screen. | The data displayed in the graph is changed accordingly. |  |
| 10 | Drill Down | Choose View By on the upper right of the chart and choose a drill down dimension (e.g. material or inspection type). | Values on x-axis are split up according to the selected drill-down dimension. |  |
| 11 | Drill Up | Choose Drill Up on the upper right of the chart to drill up one dimension | Drill-down dimension is removed from the x-axis. |  |
| 12 | Check Open In… Function | Choose Open In… at the bottom of the page. | The following options for navigation with Open In… are displayed:  Inspection Lot Detail Analytics The app Inspection Lot Detail Analytics is opened with applied filter parameter.  Manage Inspection Lots (F2343) The app Manage Inspection Lots is opened with applied filter parameter. |  |

Inspection Lot Analytics - Key Figures - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Display Number of Accepted and Rejected Lots by Usage Decision Made On | From the drop down in the upper left of the chart, select Accepted and Rejected Lots by Usage Decision Made On.  Choose Line Chart with Time Axis. | The number of accepted and rejected lots is displayed in the chart. |  |
| 2 | Display Number of Accepted and Rejected Lots in Detailed Time Series | From the drop down in the upper left of the chart, select Accepted and Rejected Lots by Calendar Year, Accepted and Rejected Lots by Calendar Year and Quarter, Accepted and Rejected Lots by Calendar Year and Month, Accepted and Rejected Lots by Calendar Year and Week .  You can open the result by either Column Chart, Stacked Column Chart or Line Chart with Two Vertical Axes.  You can also switch chart type by choosing the column icon near top right of the chart. | The number of accepted inspection lots per inspection type is displayed in the chart. |  |
| 3 | Display Number of Accepted lots Per Inspection Type | From the drop down in the upper left of the chart, select Accepted and Rejected Lots by Inspection Type.  You can open the result by either Column Chart, Stacked Column Chart or Line Chart with Two Vertical Axes.  You can also switch chart type by choosing the column icon near top right of the chart. | The number of accepted inspection lots per inspection type is displayed in the chart. |  |
| 4 | Display Number of Accepted lots by Material | From the drop down in the upper left of the chart, select Accepted and Rejected Lots by Material.  You can open the result by either Column Chart, Stacked Column Chart or Line Chart with Two Vertical Axes.  You can also switch chart type by choosing the column icon near top right of the chart. | The number of accepted inspection lots per inspection type is displayed in the chart. |  |

## Analyze Skipped and Non Skipped Lots

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to analyze inspection lots by time, materials, suppliers, inspection types, customers, etc. The information system allows you to display skipped and non skipped lots with respect to time, inspection type, or material and plant. You can drill down a hierarchy to carry out specific analysis or compare suppliers, materials, etc. A vast number of chart types enables you to visualize data according to your requirements.

Procedure

Inspection Lot Analytics - Key Figures - General Test

See previous chapter.

Inspection Lot Analytics - Key Figures - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

From Inspection Lot Analytics - UDs Made in Last 365 Days app, you can choose Open in ... at the bottom of the page and select Inspection Lot Detailed Analytics to open the detailed anlytics app.

You can also open Inspection Lot Detailed Analytics app directly from the SAP Fiori Launchpad.

Choose Add Analysis Step and select Lots Skipped and Not Skipped.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Skipped and Non Skipped Lots by Usage Decision Made On | From the drop down in the upper left of the chart, select Lots Skipped and Not Skipped by Usage Decision Made On.  Choose Line Chart with Time Axis. | The number of skipped and not skipped inspection lots is displayed in the chart. |  |
| 2 | Skipped and Non-Skipped Lots by Detailed Time Series | From the drop down in the upper left of the chart, select Lots Skipped and Not Skipped by Calendar Year, Lots Skipped and Not Skipped by Calendar Year and Quarter, Lots Skipped and Not Skipped by Calendar Year and Month, Lots Skipped and Not Skipped by Calendar Year and Week .  You can open the result by either Column Chart, Stacked Column Chart or Line Chart with Two Vertical Axes.  You can also switch chart type by choosing the column icon near top right of the chart. | The number of skipped and not skipped inspection lots is displayed in the chart. |  |
| 3 | Skipped and Non-Skipped Lots Per Material and Plant | From the drop down in the upper left of the chart, select Lots Skipped and Not Skipped by Material.  From the drop down in the upper left of the chart, select Lots Skipped and Not Skipped by Plant.  You can open the result by either Column Chart, Stacked Column Chart or Line Chart with Two Vertical Axes.  You can also switch chart type by choosing the column icon near top right of the chart. | The number of skipped and not skipped inspection lots is displayed in the chart. |  |

## Analyze Inspection Lots Leveraging Inspection Lot Detailed Analytics

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

The quality engineer can interactively explore inspection lot data step by step from different perspectives to analyze the current quality situation. In each analysis step, he can investigate KPIs and select relevant data to filter the information displayed in subsequent steps. By combining different analysis steps and filters, he interactively creates his own flexible analysis path, e.g. for root cause analysis.

Procedure

Inspection Lot Detailed Analytics - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Logon to the SAP Fiori Launchpad as the Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273). | The Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273)screen displayed. |  |
| 3 | Add Analysis Step | The analysis path can be specified in the left vertical section. Choose Add Analysis Step and choose a category in the dialogue box. | A new graph is displayed that visualizes the chosen data. |  |
| 4 | Fllter the Result | At the header, you may filter the result by UD Made on - Date Function.  Additional fields can be added via Filters and entering a filter in the dialog box (e.g. plant, inspection type, material, etc.). | Check if the content of the chart is filtered according to the chosen filters. |  |
| 5 | Add A Second Analysis Step | To add an additional analysis step, repeat the previous test step. | An additional graph is displayed in the left vertical section. |  |
| 6 | Select Data | Open the first analysis step and select one or more data points. Note that the data in the 2nd analysis step only displays data points that are included in the selected data of the 1st analysis step.  If you want to investigate the underlying raw data (for example, inspection lots), select one or more data points and choose Open In... > Manage Inspection Lots in the lower right corner. The Manage Inspection Lots app is opened and the selected parameters are transferred to this app. | Based on the selection of data in the 1st analysis step, the displayed data in the 2nd analysis step is changed. |  |
| 7 | Add Further Analysis Steps (Optional) | Repeat step 5 to add additional analysis steps. |  |  |
| 8 | Switch to List View | Choose button List View in the upper right of the graph to switch to a tabular view. | Data is displayed in a tabular view. |  |
| 9 | Save Analysis Path | Choose Save As from the Related Options drop down above the left vertical section. Enter a description and choose OK to save the analytical path. | Analytical path is saved for later use. |  |
| 10 | Open Existing Analysis Path | Choose Open from the Related Options drop down above the left vertical section and select one Analysis Path in the pop-up. | Analytical path is displayed. |  |

Inspection Lot Detailed Analytics - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Analyze the Number of Accepted and Rejected Inspection Lots Per Year and Week for Different Materials | First step:  Accepted and Rejected Lots > Accepted and Rejected Lots by Material  Second step:  Accepted and Rejected Lots > Accepted and Rejected Lots by Calendar Year and Week  Select one or more materials in the first step. Open 2nd analysis step and review the number of accepted and rejected lots as a function of time for the selected material(s). | The analysis path contains two analysis steps. Data of the 2nd step is influenced by the data points selected in the 1st step. |  |
| 2 | Identify Materials with Highest Rejection Rate As A Function of Time | First step:  Rejection Rate > Top 10 Materials with Highest Rejection Rate  Second step:  Accepted and Rejected Lots > Accepted and Rejected Lots by Calendar Year and Week  Select the data point that corresponds to the material with the highest rejection rate in the first analysis step. Switch to the second analysis step and check e.g. whether there is a trend or whether the high number of rejected lots has occurred in a certain week. | The 2nd analysis step displays the inspection lots per year and week for the material selected in the 1st analysis step. |  |

## Analyze Inspection Characteristics

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to analyze quality inspections with respect to time, (master) inspection characteristics, material and plant, and work center. The information system allows you to display accepted and rejected inspections, skipped and not skipped inspections, and inspected and non-conformance units. You can drill down a hierarchy to carry out specific analysis or compare plants, materials, inspection characteristics, etc. A vast number of chart types enables you to visualize data according to your requirements.

Procedure

Characteristic Analytics - General Test

This app is based on the same template as the app Inspection Lot Analytics - UDs Made in Last 365 Days. See chapter Analyze Accepted and Rejected Lots for a description of the technical features.

Characteristic Analytics - Example Analytics

The following table describes examples for analysis of inspection characteristics. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the app | Open the Characteristic Analytics - Results in Last 365 Days app. | The Characteristic Analytics screen displays. |  |
| 3 | Show Tolerance Violations for Quantitative Characteristics for Plant / Material / Master Inspection Characteristic | Choose Show Mini Charts and choose the Characteristics Analytics - Quantitative Characteristics Comparison Micro Chart  From the drop down in the upper left, select Value Under and Value Over Tolerance by Material and Plant.  Drill down by choosing View By > Master Inspection Characteristics . | A stocked column chart with 2 Y-axes is displayed. The left y-axis displays the absolute number of inspections. The right y-axis displays the amount of tolerance violations, split into upper and lower violations.  The x-axis displays the different master inspection characteristics per plant and material. |  |
| 4 | Display Accepted and Rejected Inspections for Different Suppliers | Open Show Mini Charts again and choose Characteristic Analytics - Key Figures.  From the drop down in the upper left, select Accepted and Rejected Inspections by Material and Plant.  Drill down by choosing View By > Supplier . | A stocked column chart with 2 Y-axes is displayed. The left y-axis displays the absolute number of accepted and rejected inspections. The right y-axis displays the rejection rate of the quality inspections.  The x-axis displays the different suppliers per plant and material. |  |

## Analyze Inspection Characteristics Leveraging Inspection Characteristic Detailed Analytics

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to interactively explore inspection characteristics step by step from different perspectives to analyze the current quality situation. In each analysis step, you can investigate KPIs and select relevant data to filter the information displayed in subsequent steps. By combining different analysis steps and filters, you interactively create your own flexible analysis path, e.g. for root cause analysis.

Procedure

Characteristic Detailed Analytics - General Test

This app is based on the same template as the app Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273). See chapter Analyze Inspection Lots Leveraging Inspection Lot Detailed Analytics.

Characteristic Detailed Analytics - Example Analytics

The following table describes examples for analysis of inspection characteristics. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

Open the app Characteristic Detailed Analytics - Results Recorded in Last 365 Days (F3382) and choose Add Analysis Step.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Analyze the Rejection Rate of Different Materials Per Supplier | First step:  Rejection Rate > Rejection Rate by Material  Second step:  Rejection Rate > Rejection Rate by Supplier  Select one or more materials in the first step. Open 2nd analysis step and review the rejection rate for the different materials per supplier in the selected time frame. | The analysis path contains two analysis steps. Data of the 2nd step is influenced by the data points selected in the 1st step. |  |
| 2. | Analyze the Total Number of Inspections for Materials per Plant | First step:  Total No. of Inspections > Total No. of Inspections by Plant  Second step:  Total No. of Inspections > Total No. of Inspections by Material  Select one or more plants in the first step. Open 2nd analysis step and review the total number of inspections for the different materials in the selected time frame. | The analysis path contains two analysis steps. Data of the 2nd step is influenced by the data points selected in the 1st step. |  |

## Analyze Nonconformance

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to analyze defect records with respect to time, (master) inspection characteristic, material and plant, work center and plant, defect category, defect code group and code, customer, and supplier. You can drill down a hierarchy to carry out specific analysis or compare plants, materials, inspection characteristics, etc. A vast number of chart types enables you to visualize data according to your requirements.

Procedure

Nonconformance Analytics – General Test

This app is based on the same template as the app Inspection Lot Analytics - UDs Made in Last 365 Days. See Analyze Accepted and Rejected Lots section for a description of the technical features.

Nonconformance Analytics – Example Analytics

The following table describes examples for analysis of defects. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to SAP Fiori launchpad as a Quality Engineer. | The SAP Fiori launchpad displays. |  |
| 2 | Acess the App | Open Nonconformance Analytics - Defects Created in Last 365 Days. |  |  |
| 3 | Visualize the Number of Defects per Code as a Function of Time | Open Show Mini Tiles. On th Defect Analytics screen, in the dropdown field, choose Defects by Defect Code and Defect Code Group. | A column chart displays. The x-axis shows the different defect codes per year and month. The y-axis shows the number of defect records per category. |  |
| 4 | Pareto-Like Diagram for Defect Code Groups | Choose Drill Up to view the details. Choose Drill Down and select Defect Code Group.  Choose Chart Type and select Waterfall Chart. | A pareto-like diagram displays. The x-axis shows the different defect code groups. The y-axis shows the number of defect records per category. |  |
| 5 | Visualize the Number of Notifications per Material | Choose Show Mini Tiles and choose Notification Analytics – Key Figures tile.  From the dropdown list in the upper left, select Quality Notifications by Time Series.  Chooose Drill Down and select Material. | A column chart displays. The x-axis shows the different material per year and month. The y-axis shows the number of notifications per category. |  |

## Analyze Nonconformance Leveraging Nonconformance Detailed Analytics

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

As a quality engineer, you want to interactively explore defects step by step from different perspectives to analyze the current defect or quality situation. In each analysis step, you can investigate KPIs and select relevant data to filter the information displayed in subsequent steps. By combining different analysis steps and filters, you interactively create your own flexible analysis path, e.g. for root cause analysis.

Procedure

Nonconformance Detailed Analytics – General Test

This app is based on the same template as the app Inspection Lot Detailed Analytics - On Lots with Usage Decision in Last 365 Days (F3273). See chapter Analyze Inspection Lots Leveraging Inspection Lot Detailed Analytics.

Nonconformance Detailed Analytics – Example Analytics

The following table describes examples for analysis of defects. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

Open the app Nonconformance Detailed Analytics - Defects Created in Last 365 Days (F3273) and choose Add Analysis Step.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Analyze the Time Series of Defect per Material | First step:  Defect > Defect by Material  Second step:  Defect > Defect by Create On  Select one or more materials in the first step. Open 2nd analysis step and review the creation dates of defects per material in the selected time frame. | The analysis path contains two analysis steps. Data of the 2nd step is influenced by the data points selected in the 1st step. |  |
| 2. | Analyze the Time Series of the Top 10 Inspection Characteristics with Defects | First step:  Defect > Top 10 Inspection Characteristics with Most Defects  Second step:  Defect > Defect by Created On  Select one or more Inspection Characteristics in the first step. Open 2nd analysis step and review the creation dates of defects per Inspection Characteristics in the selected time frame. | The analysis path contains two analysis steps. Data of the 2nd step is influenced by the data points selected in the 1st step. |  |

## Manage Defects

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With this app, you can easily monitor and manage defects created during the inspection process. The app also displays notification items from quality notifications and generic defects that were created manually.

Procedure

Manage Defects - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as the Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Manage Defects (F2649). | The Manage Defects (F2649) screen displays. |  |
| 3 | Filter the Defects | In the header, you could filter defect with different values.  Additional fields can be added to the Filter Bar via Adapt Filters and selecting More Filters in the dialog box. | The corresponding data is filtered accordingly. |  |
| 4 | Toggle to Visual Filter | Choose Visual Filter at the top right of the page to toggle to the Visual Filter view. Choose a part of the donut chart or bar chart, respectively, to filter data. | Check if the content of the corresponding data is filtered accordingly. |  |
| 5 | Toggle to Different Views on Content Part | Choose Chart View and Table View at the top right of the page. | The Table View and Chart View are displayed. |  |
| 6 | Drilldown by Dimension | Choose View By on the icon bar and choose one dimension to drill to a more detailed data level. | The drilldown function should work properly. |  |
| 7 | Change Chart Type | Choose the Settings on the icon bar. In the dialog box, choose one chart type, select data types to be displayed and assign a role to each data type. | You are able to change the chart type. |  |
| 8 | Apply Visual Filter | Switch to Chart and Table View, representation and click one bar, data point, donut or pie chart section, etc. in the data chart. | The table below the chart is filtered according to the selected chart element. |  |
| 9 | Navigate to Defect | Select Details button in the table view (last column on the right) to display the respective defect. | Defect is opened. |  |

Manage Defects - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Analyze Defects Identified at Goods Receipt with Respect to Calender Year and Week per Plant | Enter the following data in the filter.  Inspection Lot Origin: Goods Receipt (01)  Drill down dimension:  Plant | A line chart is displayed which displays the number of defects (y-axis) as a function of time and plant (x-axis). |  |
| 2 | Get An Overview over All Defects in A Pie Chart | Settings:  Chart Type: Pie Chart  Select Number of Occurrences and Defect Code, respectively.  Choose role Axis 1 for Number of Defects.  Choose role Category for Defect Code. | A pie chart is displayed. The size of the segment corresponds to the number of defects of a certain code. |  |

## Display Results History

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With this app you can display the results history for a task list characteristic or a master inspection characteristic for a quantitative characteristic. The valuation of a characteristic is shown as a graphic for the selected inspection lots. This allows you to compare inspection results over a longer period of time.

Procedure

Display Results History - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log on | Log on to the SAP Fiori Launchpad as the Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open Display Results History (F2428). | The Display Results History (F2428) screen displays. |  |
| 3 | Filter the Result | In the header, you could filter results with different values.  Additional fields can be added to or removed via Adapt Filters and selecting or deselecting Filters in the dialog box. | The corresponding data is filtered accordingly. |  |
| 4 | Display Data | To display data in the table, choose an aggregation level from the drop-down list and choose Go. | Data is displayed in the table. |  |
| 5 | Navigate to Aggregated Inspection Result | Select one line item that corresponds to a quantitative inspection characteristic. | Inspection results are displayed in a graph and table. Furthermore, statistical information (e.g. mean value, CpK index, and Cp index) is displayed. |  |
| 6 | Change Displayed Data | In table Inspection Results, select inspection results that shall be displayed in the chart. | The chart only displays selected inspection results. |  |

Display Results History - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Visualize Time Series of A Quantitative Inspection Result for A Selected Time | Aggregation level: Master Inspection Characteristic  Open the Aggregated Inspection Result and display column Created On in table Inspection Results.  Open Settings of Table Inspection Results and make the following settings:  Filter by Created On between <DateFrom> to <DateTo>.  Sort by Created On, Ascending | The inspection result (y-axis) is displayed as a function of the inspection lot ID (x-axis) in a run chart. As the table is sorted by creation date of the inspection lot, the x-axis implicitly corresponds to a time series. |  |

## Quality Level History - Skip Rate in Last 180 Days

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With this app, the KPI skip rate of inspection lots and inspection characteristics is calculated. You can also use this app to analyze quality levels with respect to different criteria, e.g. material, date, plant, inspection type, etc. in order to further optimize the quality inspection process. It is possible to drill down to get more insight. Furthermore, you can navigate to the related raw data for further analysis.

The skip rate of inspection lots and inspection characteristics is displayed in the following views:

Skip History: Inspection Lots and Characteristics

Inspection Severities by Inspection Lots and Characteristics

Inspection Stages by Inspection Lots and Characteristics

List: Inspection Lots and Characteristics

Procedure

Quality Level History - Skip Rate in Last 180 Days - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open the Quality Level History - Skip Rate in Last 180 Days. | The app launched successfully. |  |
| 3 | Filter the Result | In the header, you could filter results by . Rel Date Function.  Additional fields can be added to the Filter via Adapt Filters and selecting a filter in the dialog box (e.g. plant, inspection type, material, etc.). | Check if the content of the corresponding results is filtered accordingly. |  |
| 4 | Change Displayed Data | From the drop down in the upper left of the chart, select the data that should be displayed, for example:  Skip History: Inspection Lots and Characteristics  Inspection Severities by Inspection Lots and Characteristics  Inspection Stages by Inspection Lots and Characteristics  List: Inspection Lots and Characteristics | Respective data is displayed in a column chart or table view.  Skip History: Inspection Lots and Characteristics The number of skipped and not skipped lots (characteristics) is shown on the left (right) y-axis as a function of time.  Inspection Severities by Inspection Lots and Characteristics The number of inspection lots and inspection characteristics per severity level is displayed as a function of time.  Inspection Stages by Inspection Lots and Characteristics The number of inspection lots and inspection characteristics per inspection stage and of the dynamic modification role is displayed as a function of time.  List: Inspection Lots and Characteristics The list shows inspection lots and characteristics with skip status and skip rate. |  |
| 5 | Switch to Table View | Choose Tabular View on the upper right of the chart. | The graphical view is replaced with a table view. |  |
| 6 | Switch Back to Graphical View | Choose Chart View on the upper right of the table. | The table view changes back to a graphical view. |  |
| 7 | Change Display Settings | Choose Settings button on the upper right of the chart.  Select a different chart type, activate a data item by selecting the box and select an appropriate role of the data item. | The graphical view is adapted according to your chosen settings. |  |
| 8 | Reset to Default View | Open Settings, choose button Restore and button OK. | Data is displayed as defined in the default settings. |  |
| 9 | Remove the Global Filter | Choose the Reset Filter icon on the top right of the page, choose OK in the Reset Filters screen. | The data displayed in the graph is changed accordingly. |  |
| 10 | Drill Down | Choose View By button on the upper right of the chart and choose a dimension (e.g. material or inspection type). | Values on x-axis are split up according to the selected drill-down dimension. |  |
| 11 | Drill Up | Choose Drill Up button on the upper right of the chart to drill up one dimension | Drill-down dimension is removed from the x-axis. |  |
| 12 | Check Open In… Function | Choose Open In… at the bottom of the page. | The following options for navigation with Open In… are displayed :  • Display Inspection Lot This navigation option is relevant for List: Inspection Lots and Characteristics. If you select a lot from this list, the system navigates you to the object page of the respective lot.  The app Manage Usage Decisions (F2345) is opened with applied filter parameter. |  |

Quality Level History - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Display Ratio of Skipped and Non Skipped Lots and Characteristics For A Selected Plant and Per Calendar Year and Month in A Stacked Bar Chart | Global Filter:  Plant: <Plant>  Displayed data:  Skip History: Inspection Lots and Characteristics  Chart Type:  100 % Stacked Column Chart with 2 Y-Axes | The ratio of skipped and non skipped lots (left y-axis) and characteristics (right y-axis) is displayed in a bar chart. Each bar displays the absolute number of inspection lots / characteristics and the height of the bar corresponds to the relative ratio of skipped / non skipped lots (characteristics). |  |
| 2 | Display the Number of Inspection Lots and Characteristics That Were Inspected with A Certain Inspection Severity with Respect to Calendar Year and Month | Displayed data:  Inspection Severities by Inspection Lots and Characteristics  Chart Type:  Stacked Bar Chart with 2 X-Axes | The absolute number of inspection results (upper x-axis) and inspection characteristics (lower x-axis) is displayed in bars. On the y-axis, the bars are broken down to the inspection severity, calendar year, and calendar month, respectively. |  |

## Manage Control Charts

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With this app, you can display and manage control charts. Control charts graphically represent the characteristic values in an inspection and help detect deviations by comparing measured values against action limits.

Procedure

Manage Control Charts - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open the Manage Control Charts (F2810). | The Manage Control Charts (F2810) screen displays.. |  |
| 3 | Filter the Results | In the header, you could filter results with different values.  Additional fields can be added to or removed from the Filter via Adapt Filters and selecting or deselecting Filters in the dialog box. | The corresponding data is filtered accordingly. |  |
| 4 | Toggle to Visual Filter | Choose Visual Filter at the top right of the page to toggle to the Visual Filter view. Choose a part of the donut chart or bar chart, respectively, to filter data. | Check if the content of the corresponding data is filtered accordingly. |  |
| 5 | Toggle to Different Views on Content Part | Choose Chart View and Table View at the top right of the page. | The graphical view is replaced with a table view. |  |
| 6 | Drilldown by Dimension | Choose View By on the icon bar and choose one dimension to drill to a more detailed data level. | The drilldown function should work properly. |  |
| 7 | Change Chart Type | Choose the Settings on the icon bar. In the dialog box, choose one chart type, select data types to be displayed and assign a role to each data type. | You are able to change the chart type. |  |
| 8 | Apply Visual Filter | Switch to Chart and Table View, representation and click one bar, data point, donut or pie chart section, etc. in the data chart. | The table below the chart is filtered according to the selected chart element. |  |
| 9 | Navigate to Control Chart | Select Details button in the table view (last column on the right) to display the respective control chart. | Control chart is opened. |  |

Manage Control Charts - Example Analytics

The following table describes examples for analysis of inspection lots. Before executing each test step, we recommend to reset to default view in order to obtain a defined starting point.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Display the Number of Action Limit Violations per Material and Inspection end Date | Violated Type: 1 (Violated Action Limits)  View Settings:  Chart type:　Column Chart  Select Inspection End Date, Material and Action Limit Violations.  Choose Category for Inspection End Date and Material, respectively, and make sure that Inspection End Date (Material) corresponds to the first (second) line item. If not, change the order respectively.  Choose Axis 1 for Action Limit Violations. | The absolute number of action limit violations (y-axis) is displayed as a function of the inspection end date and material number.  Note It might be required to maximize the chart in order to being able to read the material number and description. |  |

## Manage Quality Tasks

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

With this app, the quality engineer can display, manage, and analyze quality tasks. Quality tasks are assigned to (generic) defects and usually document defect analysis, resolution, or mitigation. The quality engineer can get a list of tasks, the respective status and whether or not a task processor has been assigned. Furthermore, a graphical to-do list is generated by displaying the number of tasks as a function of time.

Procedure

Manage Quality Tasks - General Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Log On | Log on to the SAP Fiori Launchpad as a Quality Engineer. | The SAP Fiori Launchpad displays. |  |
| 2 | Access the App | Open the Manage Quality Tasks (F3381). | The app launched successfully. |  |
| 3 | Filter the Results | In the header, you could filter results with different values.  Additional fields can be added to or removed from the Filter via Adapt Filters and selecting or deselecting Filters in the dialog box. | The corresponding data is filtered accordingly. |  |
| 4 | Toggle to Visual Filter | Choose Visual Filter at the top right of the page to toggle to the Visual Filter view. Choose a part of the donut chart or bar chart, respectively, to filter data. | Check if the content of the corresponding data is filtered accordingly. |  |
| 5 | Toggle to Different Views on Content Part | Choose Chart View and Table View at the top right of the page. | The graphical view is replaced with a table view. |  |
| 6 | Change Chart Type | Choose the Settings on the icon bar. In the dialog box, choose one chart type, select data types to be displayed and assign a role to each data type. | You are able to change the chart type. |  |
| 7 | Apply Visual Filter | Switch to Chart and Table View, representation and click one bar, data point, donut or pie chart section, etc. in the data chart. | The table below the chart is filtered according to the selected chart element. |  |
| 8 | Change Task Status or Assign Processor (Optional) | Select one or more tasks and choose action In Process. Choose action Assign Processor and enter a processor business partner ID in the Assign Task Processor pop up. | Task status is changed to in process. A task processor is changed or assigned. |  |
| 9 | Navigate to task details | Select the blue triangle in the right column of a task line item to navigate to the tasks details. | Task is opened in app Quality Task. |  |

Manage Quality Tasks - Example Analytics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1 | Visualize Tasks by Task Processor | Chart type: Column Chart  View Settings:  Select Tasks and Task Processor  Choose Axis 1 for Tasks and Category for Task Processor, respectively. | A column chart is displayed that shows the number of tasks assigned to each task processor. |  |
| 2 | Display Tasks Time Series by Planned End Date | Chart type: Column Chart  View Settings:  Select Calender Year , Calendar Week and Tasks.  Choose Axis 1 for Tasks and Category for Calender Year and Calendar Weeks, respectively. | A bar chart is displayed that shows the number of tasks (y-axis) as a function of the planned start date (x-axis). |  |
| 3 | Display a List Where a Task Processor Must be Assigned | Switch to Table View.  Filter on header level by Processor Assignment = Not Assigned. | A list of tasks with empty task processor is displayed. You can select one or more tasks and assign a task processor by executing the respective user action Assign Processor.  Note The same filter can also be set leveraging a visual filter. Switch to visual filters an select Not Assigned in the donut chart Tasks by Processor Assignment. |  |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

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| --- |
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