Interface Specification Functional Document

Interface Name: FSD on Application log

Generated Document Name: FSD on Application log

Market / Project :

Author: Shaik Faruk

# Document Information

### Document Location

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| **Document Name** | **Sol Man Folder Path** | **Document #** | **Solman Link** |
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### Revision History

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| **Revision Number** | **Revision Date** | **Project** | **Summary of Changes** | **Revised By(GPID/Name)** |
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**Design Authority Approval Details**

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| **Approval Date** | **Approved By** |
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# General Information

|  |  |  |  |
| --- | --- | --- | --- |
| **RICEFW ID** |  | | |
| **Short Description** |  | | |
| **Process Owner** |  | | |
| **Implementation Phase** |  | | |
| **Transaction(s) (if applicable)** |  | | |
| **Run Frequency** | Everyday | **Language** | English |
| **Below Info Required for Fiori Apps** | | | |
| **Gateway Project Name (SEGW Project )** | **NA** | | |
| **Odata External Service Name** | **NA** | | |
| **Odata Technical Service Name** | **NA** | | |
| **System Alias Used** | **NA** | | |
| **Execution Mode** | **SAPGUI** | | |

# Desired Functionality / User Story

## Business Benefits

Display the Application log including context data through SLG1 transaction.

## Scope

**The Scope of this FSD is limited to the following points:**

* In general application logs display the messages of application which helps to

know the flow of execution.

* But through the SLG1 transaction, while displaying application logs the messages

will present without context data.

* To show the application logs messages with additional structure information

Include the context data to application log for improving efficiency of log analysis .



## Solution Details

|  |  |
| --- | --- |
| Data Source System: | S4 |
| Data Target System: | S4 |
| Direction  *(with respect*  *to SAP R/3)* |  |
| Interface  Type | |  |  |  |  | | --- | --- | --- | --- | |  | Batch | One-way transfer of “accumulated” data set; Usually done by scheduled file transfer. | | |  | Near Real-Time | One-way message-based transfer of data; Usually triggered by event. | | |  | Real-Time | Immediate transfer of small data set; Usually triggered by event. | | |  | Excel Upload | Manually invoked from SAP session; Local spreadsheet file uploaded from PC. | | |  | Other | Specify: |  | |  | | | |
| Interface  Frequency | |  |  |  |  | | --- | --- | --- | --- | |  | Hourly | Details: |  | |  | Daily | Details: |  | |  | Weekly | Details: |  | |  | Monthly | Details: |  | |  | Quarterly | Details: |  | |  | Yearly | Details: |  | |  | On-Demand | How often: |  | |  | Other | Specify: |  | |  | | | |
| Type of  Records  Sent | |  |  |  |  | | --- | --- | --- | --- | |  | Full record load | Send all records every time interface is executed | | |  | Delta full records | Only send records where one or more fields have changed since previous execution | | |  | Delta records | Only send fields (and keys) that changed since previous interface execution | | |  | Other | Specify: |  | |  | | | |
| Volume  *(per single*  *execution)* | |  |  | | --- | --- | | Average Volume: |  | | Peak Volume: |  | |

|  |  |
| --- | --- |
| 1. Quality of Legacy Data: 2. Complexity of Legacy Data:   3. Complexity of a Manual Input:  4. Number of SAP Screens: | ( ) Good ( ) Average ( ) Poor  ( ) Simple ( ) Average ( ) Complex ( ) Extra-complex  ( ) Simple ( ) Average ( ) Complex  # screens |

**Requirements**

* In SLG1 transaction when the object , sub-object and related filter parameters is passed the application logs will displayed and when click on logs the relevant processed messages will be shown at the bottom.
* In these messages the context structure information is not displayed. so, add the context to the message while presenting the application logs in SLG1 transaction.

## Initiating Process / Process Type / Transaction / Program

## Impact to Markets

## Translation Requirements

# Design considerations for Developers

# Integration Impacts

# SAP Data Archiving Access Requirements

|  |  |
| --- | --- |
| Data Archiving | Data Archiving is the process used to delete data that is no longer needed from online database and storing same in an external storage that allows for data retrieval and analysis when need be.  Data that have been archived cannot be changed/updated. |
| Residency Time | The period of time that the document is stored in the online database before the document can be archived. Usually, the archiving process checks the last changed date to calculate the residency time. |
| Retention Time | The total period of time that a document exists in the online database + archived storage until it is required to be destroyed. From document creation to document’s end-of-life. |

|  |
| --- |
| 1. Will access to data older than 2 years be required?  YES  No |
| 1. If YES to question 1:    1. Will the data older than 2 years need to be updated. Why? What process would require this update, please specify?    2. Please specify reason / explain the need for these data required? Please check all that applies.     Legal requirement:  Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    Business  Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tax  Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Audit  Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Others: Specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Explain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Please indicate the type of data used in this FSD     Shipments  Shipment Costs  Deliveries  SD Billing documents  Sales documents  Material Documents  Purchase Orders  Purchasing Requisitions  Financial Documents  Material Ledger  COPA  Handling Units  Others:  please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

| **Comments/Notes** |
| --- |
|  |

# Acceptance Criteria

# Assumptions

# Error Handling/Monitoring Requirement

## Error Conditions and Logging

## Notification

|  |  |  |  |
| --- | --- | --- | --- |
| **Error** | How error message should be reported | **Error Messages** | **Corrective action** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Restart / Recovery

## Monitoring Requirements

# Security Requirements/ Authorization Details

RICEF is used to update, display or print data? Please capture the details here:

|  |  |
| --- | --- |
|  | Update |
|  | Display |
|  | Print |
|  | All |

Please indicate which SAP module the RICEF applies to.

|  |  |  |  |
| --- | --- | --- | --- |
| Module | Check (X) | Module | Check (X) |
| MM |  | PP |  |
| WM |  | FI |  |
| SD | *X* | CO |  |
| PM |  | BI |  |
| XI |  | Security |  |
| Master Data |  | ABAP | *X* |
| Other | *Please Specify* |

Please indicate which scenario, process and process steps the RICEF impacts since the BPML will be updated in line with the security change.

|  |  |
| --- | --- |
| Process Level | **Description** |
| Scenario | *Scenario (exact name as appears in ARIS)* |
| Process | *Process (exact name as appears in ARIS)* |
| Process Step(s) | *Process Step(s) (exact name as appears in ARIS)* |

Please give a brief description of the functionality the RICEF is used for?

e.g. RICEF01357 - The program is used to create and print (PDF form or ALV) sampled physical inventory list. Program copied from J\_3R\_LF\_INV3\_19 and modified . Or

e.g. RICEF02006 - Copy of standard MB25 report with additional Modification of Adding 3 text fields.

Please specify

RICEF needs additional authorization checks on already known organizational levels (e.g. company code, purchasing organization, plants etc.)?

|  |  |
| --- | --- |
|  | Yes |
|  | No |

When answer yes, the following organizational levels need to be checked:

|  |  |
| --- | --- |
| Organizational levels | Check (X) |
| Company Code |  |
| Cost Center |  |
| Profit Center |  |
| Sales Organization |  |
| Purchasing Organization |  |
| Plants |  |
| Other | *Please Specify* |
|  |  |
|  |  |

To be filled by Security Team / Development Team

Additional security requirements needed? (to be filled by security)

|  |  |  |
| --- | --- | --- |
|  | Yes | Proceed in filling the requirements – Developers to implement security requirements |
|  | No | No further information needed – No implementation of additional security requirements needed. |

Information for developer to implement security requirements in RICEF:

Authorization group to be assigned to report / program (to be filled by developer)

|  |
| --- |
|  |

RICEF is started by using an SAP transaction (to be filled by developer)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Custom SAP Transaction | Name: |  | |
|  | None |
| Transaction type *(only to be filled when transaction is used)* | | | |
|  | Report transaction |
|  | Parameter transaction |

Does the report call another custom or standard transaction? (to be filled by developer)

|  |  |  |
| --- | --- | --- |
|  | Yes | Name: |
|  | No |  |

RICEF needs to have additional authorization checks included? (to be filled by security)

|  |  |  |
| --- | --- | --- |
|  | Yes | Organizational segregation needed – e.g. Report is able to access data from all market units |
|  | No | Organizational segregation not needed – e.g. Report only handles market unit specific data |

When answer is yes, please implement the following authorization check in the RICEF before any data is displayed or manipulated:

|  |  |  |
| --- | --- | --- |
| Authorization object | Authorization field: | Authorization values |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Information for security to setup relation between transactions and implemented authorization checks:

RICEF is using standard components and already has included authorization checks? (to be filled by developer)

|  |  |  |
| --- | --- | --- |
|  | Yes | Includes standard components with standard authorization checks |
|  | No | do not include standard authorization checks or is called by standard transactions. |

When answer yes, the following authorization objects need to be maintained in SU24:

|  |  |  |
| --- | --- | --- |
| Authorization object | Authorization field: | Authorization values |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# Controls Impacts

# Issues

| **Issue #** | **Date Raised** | **Issue Description** | **Issue Resolution** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

# Dependencies

# 

# Unit Test Plan



## Key Test Conditions

| **Test Condition** | **Step** | **Step Description** | **Test Data** | **Expected Result** | **Actual Result** | **Executed By/Date** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Technical Test Conditions

| **Test Condition** | **Step** | **Step Description** | **Test Data** | **Expected Result** | **Actual Result** | **Executed By/Date** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Risk and Controls Test Conditions

| **Test Condition** | **Step** | **Step Description** | **Test Data** | **Expected Result** | **Actual Result** | **Executed By/Date** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Testing Considerations/Dependencies

## Exception and Error Handling Test conditions

Exception - special logic or exceptions (e.g. do not process Government Markets customers, only process pre-packs)

| **Test Condition** | **Step** | **Step Description** | **Test Data** | **Expected Result** | **Actual Result** | **Executed By/Date** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Error Handling - functionality in case of errors (e.g. Customer not found, Record already exists)

| **Test Condition** | **Step** | **Step Description** | **Test Data** | **Expected Result** | **Actual Result** | **Executed By/Date** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |