|  |  |  |
| --- | --- | --- |
| SAP Interface Function Specification Document for I2001 Vendor Payments |  | |
|  | |  |

|  |  |
| --- | --- |
| **Business Process Organizational Structure** | Finance To Manage |
| **Process Owner** | Sidharth VR |
| **Original Author(s)** | Capgemini Action Learning Team |
| **Current Revision Author(s)** | Capgemini Action Learning Team |

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 07/05/2019 | Sidharth VR | drafts |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Table of Contents**

[1 OBJECT REQUIREMENT SUMMARY 4](#_Toc4076449)

[1.1 Object Information and Attributes 4](#_Toc4076450)

[1.2 Requirements Summary and Business Driver 4](#_Toc4076451)

[1.3 Assumptions 4](#_Toc4076452)

[1.4 Current Functionality 4](#_Toc4076453)

[1.5 Required Functionality 5](#_Toc4076454)

[1.6 Performance Criteria 5](#_Toc4076455)

[2 INTERFACE DESIGN SPECIFICATIONS 6](#_Toc4076456)

[2.1 Detailed Requirements 6](#_Toc4076457)

[2.2 Error Handling 6](#_Toc4076458)

[3 Selection Criteria/Screen 7](#_Toc4076459)

[3.1 Detailed Requirement 7](#_Toc4076460)

[3.1.1 Detailed Data Mapping 7](#_Toc4076461)

[3.1.2 Processing Specifications 7](#_Toc4076462)

[3.1.3 Scheduling Requirements 8](#_Toc4076463)

[3.2 Architecture Specifications 8](#_Toc4076464)

[4 ADDITIONAL INFORMATION 9](#_Toc4076465)

[4.1 Unit Test Plan 9](#_Toc4076466)

[4.2 Related Business Scenario and Business Transactions 9](#_Toc4076467)

# OBJECT REQUIREMENT SUMMARY

## Object Information and Attributes

The following is current information about this object and document:

|  |  |
| --- | --- |
| **Object ID** | I2001 |
| **Title** | Vendor Payments |
| **Team Which**  **Owns the Object** |  |
| **System Version Source** | ECC 6.0 EC5 |
| **System Version Destination** | CG sharefolder |
| **Development Type** | Interface |
| **Link to Process Flow/FDD** | <<No link>> |

## Requirements Summary and Business Driver

As a part of PI Actionlearning exercise, we need to Interface the Vendor Payments created in Minimaster system to CG share folder in.csv format. Once any Payment is executed or updated in Minimaster, interface has to trigger to place a file in CG share folder in .csv format with Vendor Details, Payment Bank, Account Number, IFSC Code and State etc.

### Alternatives to Object

N/A

### Impact of Implementation

Any payment created in minimaster will be automatically interfaced to SAP through CG shared folder

### Impact of No Implementation

If the interface is not developed lot of manual effort will be required to create the file in required format in SAP.

## Assumptions

* Necessary SAP connectivity configuration is in place between EC5 and PI2.

## Current Functionality

N/A

## Required Functionality

Once any payment is initiated in Minimaster, it should be automatically transferred to CG shared folder in .csv format with Vendor details, Payment bank, Account number, IFSC code and State.

## Performance Criteria

| ***Source***  ***System*** | ***Destination***  ***System*** | ***Performance Requirements for Interfaces*** | | |
| --- | --- | --- | --- | --- |
|  |  | Average Transactions / Records and Type per Interface Run (include input & output): | Peak Transactions / Records and Type per Interface Run (include input & output): | Required Throughput For Interface (include input & output): |
| Mini Master (SOAP UI) | CG Shared Folder | On demand | On demand | On demand |
|  |  |  |  |  |

# INTERFACE DESIGN SPECIFICATIONS

## Detailed Requirements

| *Interface Business Object* | |
| --- | --- |
| **Business Object** | **Mini Master** |
| **Business Object Description** | Vendor Payments |

|  |  |  |
| --- | --- | --- |
| ***Application Name*** | ***Source*** | ***Destination*** |
| SAP ERP EC5 |  |  |
| CG share folder |  |  |
| Mini Master (SOAP UI) |  |  |

|  |  |
| --- | --- |
| ***Source Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService (Proxy) |  |
| Other (Describe) SOAP |  |

|  |  |
| --- | --- |
| ***Destination Application Interface Type(Check one Only)*** | |
| Screen |  |
| Report |  |
| File |  |
| Database Table |  |
| Application Protocol Interface (API) |  |
| WebService |  |
| Other (Describe) |  |

| *Legacy Systems* | *Contact Name* |
| --- | --- |
| N/A | N/A |
| Source 1 |  |
| Source 2 |  |

|  |  |
| --- | --- |
| *Method of Execution:*  (Foreground / Background Scheduled / Manual / On Demand) | Automatic creation of File in CG Shared folder |
| *Inbound / Outbound:* | Inbound |

## Error Handling

****

# Selection Criteria/Screen

*Create Excel file with 2 tabs input for selection screen and output of selection screen*

| **Field Name** | **Selection Text / Description** | **Type of Field (Check Box / Radio Button / Select-Option / Parameter)** | **Search Help / Pick List / List of values**  **(Y / N)** | **Validation Required**  **(Y / N)** | **Default Value** | **Mandatory**  **/ Optional** | **Single/**  **Multiple/**  **Range/**  **all possible combinations** | **Fields Grouping /Frame name** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N/A |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## Detailed Requirement

Once any record added or updated in Minimaster, interface has to trigger to SAP PI it should convert to required target structure and place a file in CG share folder in .csv format with Vendor details, payment bank, account number, ifsc code and state

Mini Master

ShareFolder

File

SOAP

PI2

VendorName\_ddMMyyyyHHmmss.csv

Vendor Payment Details

## Detailed Data Mapping

Please find the Mapping specification attached below.

Mapping sheet



## Processing Specifications

| *Processing Business Rules* |
| --- |
| File Naming convention : “VendorName\_ddMMyyyyHHmmss.csv”  Overwrite the file , if it is already exist in target directory  Refer to Mapping sheet for Header field Names of .csv file |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Rule*** | **How is this Interface initiated or triggered?** |  | **What is the Initiation or Trigger Source?** | **How frequently is this Interface run?** | **What days of the week does this Interface get run?** | **What time of the day is this Interface run & what is the allowed time window?** | **What are the predecessor processes & dependencies for this Interface?** |
| ***Description*** | Manually create/update Minimaster |  | Manual trigger | N/A | On demand | After successful trigger | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |

## Scheduling Requirements

**File Descriptions (if applicable)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Input File Requirements for Inbound Integrations (if applicable)*** | | | | | | | | | |  | |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Source File** | |
| ***Description*** | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| ***Source 1*** |  |  |  |  |  |  |  |  |  | |
| ***Source 2*** |  |  |  |  |  |  |  |  |  | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Output File Requirements for Outbound Interfaces (if applicable)*** | | | | | | | | |  |
| **Information Needed** | **Logical File Name** | **File Description** | **Variants** | **System Name** | **Physical File Location & Name** | **Selection Requirements** | **Empty Files** | **Sort Order For Incoming File / Message** | **Length of Time to Archive the Client File** |
| ***Description*** | Refer3.1.2 section | Vendor Payments .csv file | N/A | EC5 | Directory:  [\\inblrxi1\Training\ActionLearning\VendorPayments\Receive](file://inbomsap11/Training/ActionLearning/July2020/VendorPayments/Receive)  FileName : **VendorPayments\_<corpid>\_ddMMyyyyHHmmss.csv** | N/A | To be filtered in Middleware | N/A | N/A |
| ***Source 1*** |  |  |  |  |  |  |  |  |  |
| ***Source 2*** |  |  |  |  |  |  |  |  |  |

## Architecture Specifications

# ADDITIONAL INFORMATION

## Unit Test Plan

Identify the Test Scenario to be used to test the development with:

|  |  |  |
| --- | --- | --- |
| Test Considerations | Scope of Testing (Inside SAP (IS) / Outside SAP (OS) / Both (BO)) | Target Test Date |
|  | Both (BO) | 03-21-19 |

## Related Business Scenario and Business Transactions

**Test Data**

Sample .csv File:

