|  |  |  |
| --- | --- | --- |
| SAP Interface Function Specification Document for I1002 InboundOrders |  | |
|  | |  |

|  |  |
| --- | --- |
| **Business Process Organizational Structure** | OrdersTo Cash |
| **Process Owner** | Sidharth VR |
| **Original Author(s)** | Capgemini ActionLearningTeam |
| **Current Revision Author(s)** | Capgemini ActionLearningTeam |

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 20/03/2019 | Sidharth VR | drafts |
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# OBJECT REQUIREMENT SUMMARY

## Object Information and Attributes

The following is current information about this object and document:

|  |  |
| --- | --- |
| **Object ID** | I1002 |
| **Title** | OutboundOrders |
| **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(SAP and Non-SAP)** | <<No link>> |

## Requirements Summary and Business Driver

As a part of PI Actionlearning exercise, we need to pick up the Orders file from Shared drive convert it to Idoc xml and post it as an idoc in ECC (EC5).

Once a Orders file is placed in shared drive, PI Will pick up the file and convert it to Idoc xml and post an Idoc in SAP EC5 system with OrderNumber, Quantity, amount and customer details. Please refer to Orders file in Section 3.1.2. A copy of the file will be archived to the Archive folder in the Shared drive.

### Alternatives to Object

N/A

### Impact of Implementation

Orders will be created in the EC5 System automatically from the file.

### Impact of No Implementation

If the interface is not developed lot of manual effort will be required to create the Orders Idoc to post sales order in SAP ECC (EC5).

## Assumptions

* Necessary SAP connectivity configuration is in place between EC5 and XI1.

## Current Functionality

N/A

## Required Functionality

Once a Orders file is placed in Shared folder, PI (XI1) will pick up the file and performs the content conversion and post the Idoc in SAP ECC System automatically. A copy of the original .CSV file will be archived in the Archive folder of the shared drive.

## 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): |
| Share folder | SAP ECC EC5 | On demand | On demand | On demand |
|  |  |  |  |  |

# INTERFACE DESIGN SPECIFICATIONS

## Detailed Requirements

| *Interface Business Object* | |
| --- | --- |
| **Business Object** | **IBOrders** |
| **Business Object Description** | OrdersInbound |

|  |  |  |
| --- | --- | --- |
| ***Application Name*** | ***Source*** | ***Destination*** |
| SAP ERP EC5 |  |  |
| CG share folder |  |  |
| < List Application Name1> |  |  |

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

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

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

|  |  |
| --- | --- |
| *Method of Execution:*  (Foreground / Background Scheduled / Manual / On Demand) | Automatic pick up of file from Share Drive |
| *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 PI picks up the file from Shared drive, it will convert the .csv file in to Idoc xml and post the idoc in EC5. A copy of the file will be archived in the Archive folder. Idoc posted should be in green status when viewd in WE02.

EC5

IDoc

File

PI2

ShareFolder

OrderNumber\_ddMMyyyyHHmmss.csv

ORDERS.ORDERS05

## Detailed Data Mapping

Please find the Mapping specification attached below.

Mapping sheet



## Processing Specifications

| *Processing Business Rules* |
| --- |
| File Naming convention : “OrderNumber\_ddMMyyyyHHmmss.csv”  Archive the file in the Archive directory with same naming convention.  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*** | Poll the channel every 15 mins |  | Auto Polling | N/A | All days | 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 | Orders .csv file | N/A | EC5 | Directory:  [\\inblrxi1\Training\ActionLearning\Orders\Send](file://inbomsap11/Training/ActionLearning/July2020/Orders/Send)  Archive  [\\inblrxi1\Training\ActionLearning\Orders\Send\Archive](file://inbomsap11/Training/ActionLearning/July2020/Orders/Send/Archive)  FileName : **OrderNumber\_<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 Idoc File :



Sample .csv File:

