|  |  |  |
| --- | --- | --- |
| SAP Interface Function Specification Document for I1001 OutboundOrders |  | |
|  | |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Revision Notes** |
| 1.0 | 20/03/2019 | Venkatesh Manavala | 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** | I1001 |
| **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 select Orders Idoc and convert that into File in middleware, so that taret system will receive the order file.

Once a ORDERS.ORDERS05 IDoc is triggered manually from SAP EC5 via WE19 Tcode, it has to sent to Middleware (PI2) system , so that it will be converted to required .csv file with OrderNumber , quantity and amount and customer details etc and placed into target directory. Please refer to the Orders file in section 3.1.2.

### Alternatives to Object

N/A

### Impact of Implementation

Orders will be placed into required target folder in a required format to process further.

### Impact of No Implementation

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

## Assumptions

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

## Current Functionality

N/A

## Required Functionality

Once a ORDERS.ORDERS05 IDoc is triggered manually from SAP EC5 via WE19 Tcode, it has to sent to Middleware (PI2) system , so that it will be converted to required .csv file with OrderNumber , quantity and amount and customer details etc and placed into target directory. Please refer to the Orders file in section 3.1.2.

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

# INTERFACE DESIGN SPECIFICATIONS

## Detailed Requirements

| *Interface Business Object* | |
| --- | --- |
| **Business Object** | **OBOrders** |
| **Business Object Description** | OrdersOutbound |

|  |  |  |
| --- | --- | --- |
| ***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) |  |

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

|  |  |
| --- | --- |
| *Method of Execution:*  (Foreground / Background Scheduled / Manual / On Demand) | Manual trigger from WE19(On Demand) |
| *Inbound / Outbound:* | Outbound |

## 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 we select existing ORDERS05 Idoc from EC5, change the receiver partner to PI2(middleware PI system) and push, so that PI will convert the ORDERS05 Idoc to required .csv file with FileNaming convention of “<<OrderNumber>>\_DdMMyyyyHHmmss.csv”, order number will be copied from IDOc field BELNR.

ShareFolder

File

IDoc

PI2

EC5

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”  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 trigger from WE19 |  | 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 | Orders .csv file | N/A | EC5 | Directory:  [\\inblrxi1\Training\ActionLearning\Orders\Receive](file://inbomsap11/Training/ActionLearning/July2020/Orders/Receive)  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:

