Created:

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Reviewed:

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Approved:

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Lars Weisbrich, inSITE Stream Lead Validation, Fresenius Netcare

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# Change History

|  |  |  |  |
| --- | --- | --- | --- |
| **Ver.** | **Created, Changed** | | **Remarks, Kind of change** |
| **Name** | **Date** |
| 0.1 | Anita Hardt | 19-Sep-17 | Creation of Initial Version |
| 0.2 | Laszlo Sarvary | 10-Oct-17 | Peer review |
| 0.3 | Dirk Koerbitz | 17-Oct-17 | Dev Review |
| 0.4 | Florian Hodouschek | 25-Oct-17 | SA Review |
| 0.5 | Marc Schobner | 03.11.2017 | Deployment Review |

Table 1: Change History

# Attachments

The below listed FS attachments are part of the FS document.

|  |  |
| --- | --- |
| S. No | Attachment Name |
| 1 | inSITE\_FS-I\_95-043\_Material Master interface with HIS Idoc Outbound Interface |

Table 2: Attachments

# Terms, Definitions, Abbreviations

| Term / Abbreviation | Name / Description |
| --- | --- |
| PI | Process Integration P77 System also named PO Process Organisation |

Table 3: Terms, Definitions, Abbreviations

# Reference Documents

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Document ID.** | **Version No.** | **Document Title** |
| 1 | inSITE\_FS-P\_95-036\_R7 | 1.0 | Material Classification |
| 2 | inSITE\_FS-E\_95-043\_CN\_V1 | 1.0 | HIS Material Distribution |

Table 4: Reference Documents

# Reference to URS

| **Requirement ID** | **Requirement Title** | **Domain** |
| --- | --- | --- |
| BR\_CHN\_95\_0033 | **HIS - material master data extraction**  The application extracts daily material master data of inventory managed items. | MD |
| BR\_CHN\_95\_0013 | **HIS - material master data transfer**  The application transfers extracted material master data of inventory managed items information daily to HIS Lenovo. | MD |
| BR\_CHN\_95\_0037 | **HIS - inventory material master data flexible data transfer**  The application supports the data transfer in a flexible parameter based frequency, i.e. every x days, y hours or z minutes. | MD |
| BR\_CHN\_95\_0004 | **HIS - inventory material master data frequency maintenance**  The application allows transfer frequency parameter maintenance. | MD |

Table 5: Requirements

# Purpose of the Interface

In case of using the external HIS System for technical service the material master data has to be transfered from SAP ERP P11 to the HIS System.

The relevant data will be sent in an electronic EDI format like MATMAS

# Data Flow Diagram

Out of the SAP ERP an IDoc is generated triggered by change pointer of material master in case the relevant class is assigned. The IDoc is then transferred to PI in order to transform the information stored in the IDoc segments in EDI Format.

The scope of the template only covers the creation of the IDoc, transfer of the IDoc to SAP PI as Interface Layer and the generation of the EDI file.

# Functional Description

* 1. **Material selection**

Material which has the class MMD\_HIS of class type ZHK assigned in the classification and also has an active change pointer has to be selected. The class will be assigned automatically by the report ZEDI\_ULTIMUS01.

* 1. **Distributed fields**

All distributed fields will be shown in attachment “inSITE\_FS-I\_95-043\_Material Master interface with HIS Idoc Outbound Interface”.

* 1. **Message type and change pointers**

The existing SAP Standard MATMAS message type must be used.

The distribution must be trigger by following fields which are relevant for changes (change pointers):

* The distribution has to be triggered in case one or more of the fields which are listed in the attachment “inSITE\_FS-I\_95-043\_CN\_A1\_Material Master interface with HIS Idoc Outbound Interface” are changed
* When not otherwise requested the from SAP standard supported material master change pointers will be used

## Definition of the distribution model

* Maintain/upgrade of existing distribution model in P11
  + Direction P11 to HIS to send the information
  + Direction HIS to P11 to receive the confirmation about the posting of the data
* Assign classes to receiving logical systems in P11 system
  1. **ALE specific settings**
* Maintain partner profiles, partner type, logical systems and IDoc ports
* Activate Change Pointers for Message Types
* Distribution job schedule

# Source & Target System

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| System | Source/Target | Application name | SAP/Non-SAP | Comment |
| SAP – P11 | Source | SAP ECC 8.0 | SAP | N/A |
| SAP – P77 | Source/Target | SAP PO | SAP | N/A |
| HIS | Target | Not known | Non-SAP | N/A |

Table 6: Source & Target Systems

# Volume of the Data

An exact number of messages can’t be provided at the moment. The growth of messages depends on the rollout of functionality to customers.

# Dependencies

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Description | System | System | E2E process | Comment |
| N/A | N/A | N/A | N/A | N/A | N/A |

Table 7: Dependencies

# Type and Frequency of Interface

The frequency of this interface is at least four times per day.

# Data Transfer

|  |  |  |  |
| --- | --- | --- | --- |
| Fields in source system | | | |
| S.No | Field | Field Length (Opt) | Field Description |
| N/A | N/A | N/A | N/A |

Table 8: Fields in Source system

|  |  |  |  |
| --- | --- | --- | --- |
| Fields in Target System | | | |
| S.No | Field | Field Length (Opt) | Field Description |
| N/A | N/A | N/A | N/A |

Table 9: Fields in Target system

# Special Functions

N/A

# Assumptions & Conditions

N/A

# Authorization Requirements

N/A

# Error Handling

## ERP

Standard from message type. IDOC Monitoring: SOLMAN solution for monitoring & notifying the failed cases to defined responsibles. After receiving failure information standard support process takes care to solve issue.

## PI

The technical monitoring in PI informs in case of failure the defined responsibles. After receiving failure information standard support process takes care to solve issue.

# Open Issues/Remarks for a subsequent revision

N/A

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Responsible | Status | Impact on | Proposed solution |
| 1 | Relevant fieled, which are needed in HIS has to be defined | FME | Close | 8.2 Distributed fields | Yes. Not relevant for this FS the mapping will be made by a new CR and once approved the document enhanced. |
| 2 | The Attachment must include the proper mapping which can be copied once the PO/PI had been set up. | FNC in China with HIS team and SI colleagues in Bad Homburg | Close | PO/PI Mapping | Yes. Not relevant for this FS the mapping will be made by a new CR and once approved the document enhanced. |

Table 10: Open Issues/Remarks

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