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| --- | --- |
| Post CH AG | |
| Dokumentenart | **Systemanforderungen** |
| Titel / Projektname | **DISCO** |
| Projektleiter/-in | Klauenbösch Beat |
| Autor/-in | Beat Klauenbösch |
| Ausgabestelle | PM84 |
| Klassifizierung | Intern |
| Ausgabedatum | 8. September 2017 |
| Version | V01.15 |

**Änderungskontrolle**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Überarbeitung** | **Autor/-in** | **Datum** |
| X01.01 | Neues Dokument | Beat Klauenbösch, PM84 | 14.12.2015 |
| X01.02 | Ergänzungen und Detaillierungen ab BUC2 | Beat Klauenbösch, PM84 | 11.01.2016 |
| X01.03 | Detaillierung nach Workshop SPS und internen Diskussionen | Beat Klauenbösch, PM84 | 24.03.2016 |
| X01.04 | Final Version and english translate | Beat Klauenbösch, PM84 | 13.04.2016 |
| X01.05 | Supplement BUC2 and BUC-2 Fafo-2-2 with following text:   * Datas with “No further processing“ will recorded statistically and process is ended.   Supplement BUC-5: new graphics in BUC-5 FUN-5-1  No Masterdataimport from ZDL | Beat Klauenbösch, PM84 | 11.05.2016 |
| V01.06 | * Supplement BUC-2 FUN-3-2: Data from datatransfer to use for match * Suppplement chapture 3.7 BAfo-13: Housekeeping * Supplement chapture 3.8 * Version as Baseline for design | Beat Klauenbösch, PM84 | 23.05.2016 |
| V01.07 | * BUC-3: We will use DPM (Datenprüfmodul) from Siemens and not Adresschecker (open points in BUC-1 and BUC-3) | Beat Klauenbösch, PM84 | 17.06.2016 |
| V01.08 | * Figure 1 (Overview) and Figure 2 (Flowchart) changed * BUC-3: Details to Processing Datatransfer Datas in BUC-3 | Beat Klauenbösch, PM84 | 29.06.2016 |
| V01.09 | * SAfo-8: delete column PLZ\_ORT * Fafo-1-2: ZUBOFI delivery only weekly * Deliverytime masterdata from AMP * New name by SMT-Share for ZUBOFI (FaFo-1-2) * Regex für Filterung angepasst (FaFo-2-2) * CallerID=VG for matched data to VAM (FaFo-3-4) * Fafo-2-2: Filterregel angepasst | Beat Klauenbösch, PM84 | 10.11.2016 |
| V01.10 | * BUC-3: data from EAI to PADASA only if AMP.Key | Beat Klauenbösch, PM84 | 16.11.2016 |
| V01.11 | * Capture 3 inserted: State of BUC and FUN * BUC-3: Insert table for match and send * BUC-3, FaFo-3-3 ans FaFo-3-4: Addition with AMP-Key>0 | Beat Klauenbösch, PM84 | 14.12.2016 |
| V01.12 | * Filter complement (BUC-2, FaFo-2-2) mit CODQUAL=61 * New startime 04:00 AMP-Delta import (BUC-1 FaFo-1-1) * ASDP change deliver time from 02:00 to 22:45 | Beat Klauenbösch, PM84 | 02.03.2017 |
| V01.13 | * ASDP change deliver time from 22:45 to 19:00 * BUC-3: send to PADASA if also only a Hauskey is available | Beat Klauenbösch, PM84 | 17.05.2017 |
| V01.14 | * Change in FUN-4-1: update process describe in VAE\_Agreement\_zu\_Erfassungsregeln | Beat Klauenbösch, PM84 | 17.07.2017 |
| V01.15 | * Document updated * SAfo-7: Change format for table ialias from csv to xml | Beat Klauenbösch, PM84 | 08.09.2017 |

**Genehmigung**

|  |  |  |  |
| --- | --- | --- | --- |
| **Prüfstelle** | **Freigabestelle** | **Datum** | **Visum** |
| Stephan Beer, PM84 |  | Datum auswählen | gez. Name |
| Martin Lüthi, PM84 |  | Datum auswählen | gez. Name |
| Beat Hürzeler, PM84 |  | Datum auswählen | gez. Name |
|  | Christian Bösch, PL22 | Datum auswählen | gez. Name |

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# General requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Nr.** | **Reference to goals** | **Requirements** | **Type** (A, B, D, E, F, I, M, Q, S) | **Acceptance criterion** | **Importance** (1-5) | **Priority** (1-5) |
| GAfo-1 | Z-05 | Provide Master data | S | All master data are stored in DisCo and are available for the manual capture. | 1 | 1 |
| GAfo-2 | Z-04 und Z-06 | Provide consignment data | F | PDS data are stored in DisCo in a defined performance. | 1 | 1 |
| GAfo-3 | Z-06 | Match and distribute data | A | DataTransfer data are verified and stored, Data are processed correctly. | 1 | 1 |
| GAfo-4 | Z-05 | Offshore data entry | F | Manual data entry performed | 1 | 1 |
| GAfo-5 | Z-01 | Complete processing | F | Datamatrixcode are read where needed. Processing of the consignment is completed. | 1 | 1 |

Legend:

* Type: A = Software architecture, B = Business, D = Documentation, E = Development, F = Functional, I = Information security (ISDS), M = Migration, Q = Quality, S = Interface.
* Importance: 1 = must be implemented; 2 = very important, 3 = important, 4 = less important, 5 = can be omitted.
* Priority: 1 = must be implemented as per deadline, 2 = deadline compliance is very important, 3 = deadline compliance is important, 4 = deadline compliance is less important, 5 = may be postponed.

# Overview of requirements

A grafical overview of the system will help to understand the detailed requirements in a structured manner.



Figure 1 Overview of interfaces and Use Cases



Figure 2 Flowchart data flow

# State of Business Use Cases and Functions

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BUC-ID** | **Titel des Business Use Case** | **FUN-ID** | **Titel der Anforderung** | **STK-ID** | **Prio** | **Status** (OK/NOK) | **FaFo** | **Status** | **Auftrag/Projekt** | **Datum** |
| (M/K) |  |  |  |  |
| BUC-1 | Provide Master data | FUN-1-1 | Prepare Mater data | STK-18 | M | OK | FaFo-1-1 Provide Peronal data |  |  |  |
|  |  |  |  | STK-20 | M | OK | FaFo-1-2 Provide Address data |  |  |  |
|  |  |  |  | STK-21 | M | NOK | FaFo-1-3 Provide PLZ | OK | ABA-22: ASDP with Mypost24 | 27.02.2017 |
|  |  |  |  | STK-2 | M | OK | FaFo-1-5 Prepare Master data |  |  |  |
|  |  | FUN-1-2 | Delivery of Mater data | STK-7 | M | OK | FaFo-1-6 Processing of file delivery |  |  |  |
|  |  |  |  | STK-7 | M | OK | FaFo-1-7 Provision of data to SPS |  |  |  |
| BUC-2 | Provide consingment data | FUN-2-1 | Data from sorting | STK-2 | M | OK | FaFo-2-1 Read data of RPP |  |  |  |
|  |  |  |  | STK-2 | M | NOK | FaFo-2-2 Filter | In work | ABA-100 | open |
|  |  |  |  | STK-2 | M | OK | FaFo-2-3 Create statistics |  |  |  |
| BUC-3 | Match an distribute data | FUN-3-1 | Processing Datatransfer datas | STK-2 | M | NOK | FaFo-3-1 Receive data | In work | ABA-162 | open |
|  |  |  |  |  | M | OK | FaFo-3-2 <frei> |  |  |  |
|  |  |  |  | STK-2 | M | NOK | FaFo-3-3 Forward data | OK  OK  In work | ABA-32  ABA-89  ABA-162 | 03.01.2107  19.07.2017  open |
|  |  | FUN-3-2 | Match | STK-7 | M | OK | FaFo-3-5 Match data | OK | ABA-32 | 03.01.2107 |
| BUC-4 | Offshore data entry | FUN-4-1 | Data coding | STK-7 | M | OK | FaFo-4-1 Search data |  |  |  |
|  |  |  |  | STK-7 | M | OK | FaFo-4-2 Typing keyword | OK | ABA-113 | 01.09.2017 |
|  |  |  |  | STK-7 | M | OK | FaFo-4-3 AMP-Key coding |  |  |  |
|  |  |  |  | STK-7 | M | OK | FaFo-4-4 HAUSKEY coding |  |  |  |
|  |  | FUN-4-2 | Data send | STK-2 | M | OK | FaFo-4-5 Send data |  |  |  |
| BUC-5 | Verarbeitung abschliessen | FUN-5-1 | Process barcodes | STK-7 | M | OK | FaFo-5-1 Search data |  |  |  |
|  |  |  |  | STK-7 | M | OK | FaFo-5-2 Read barcodes |  |  |  |
|  |  | FUN-5-2 | Send barcode data | STK-2 | M | OK | FaFo-5-3 Send barcode data to Padasa |  |  |  |
|  |  |  |  | STK-2 | M | OK | FaFo-5-4 Complete |  |  |  |

# Detailed requirements

[The](http://de.pons.com/übersetzung/englisch-deutsch/The" \t "_blank) [detailed](http://de.pons.com/übersetzung/englisch-deutsch/detailed" \t "_blank) requirements [describe](http://de.pons.com/übersetzung/englisch-deutsch/describe" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [demands](http://de.pons.com/übersetzung/englisch-deutsch/demands" \t "_blank) [for](http://de.pons.com/übersetzung/englisch-deutsch/for" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [new](http://de.pons.com/übersetzung/englisch-deutsch/new" \t "_blank) [respectively](http://de.pons.com/übersetzung/englisch-deutsch/respectively" \t "_blank) [changed](http://de.pons.com/übersetzung/englisch-deutsch/changed" \t "_blank) [system](http://de.pons.com/übersetzung/englisch-deutsch/system" \t "_blank) ([SOLL](http://de.pons.com/übersetzung/englisch-deutsch/SOLL" \t "_blank) [state](http://de.pons.com/übersetzung/englisch-deutsch/state" \t "_blank)). [When](http://de.pons.com/übersetzung/englisch-deutsch/When" \t "_blank) [required](http://de.pons.com/übersetzung/englisch-deutsch/required" \t "_blank) [some](http://de.pons.com/übersetzung/englisch-deutsch/some" \t "_blank) [of](http://de.pons.com/übersetzung/englisch-deutsch/of" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) detailed requirements [are](http://de.pons.com/übersetzung/englisch-deutsch/are" \t "_blank) [specified](http://de.pons.com/übersetzung/englisch-deutsch/specified" \t "_blank) [in](http://de.pons.com/übersetzung/englisch-deutsch/in" \t "_blank) [detailed](http://de.pons.com/übersetzung/englisch-deutsch/detailed" \t "_blank) [specifications](http://de.pons.com/übersetzung/englisch-deutsch/specifications" \t "_blank) [furthermore](http://de.pons.com/übersetzung/englisch-deutsch/furthermore" \t "_blank).

Tip:

* [The](http://de.pons.com/übersetzung/englisch-deutsch/The" \t "_blank) mentioned [Stakeholder](http://de.pons.com/übersetzung/englisch-deutsch/Stakeholder" \t "_blank) ([STK](http://de.pons.com/übersetzung/englisch-deutsch/STK" \t "_blank)) [are](http://de.pons.com/übersetzung/englisch-deutsch/are" \t "_blank) [in](http://de.pons.com/übersetzung/englisch-deutsch/in" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [document](http://de.pons.com/übersetzung/englisch-deutsch/document" \t "_blank) [according](http://de.pons.com/übersetzung/englisch-deutsch/according" \t "_blank) [to](http://de.pons.com/übersetzung/englisch-deutsch/to" \t "_blank) [Stakeholderliste](http://de.pons.com/übersetzung/englisch-deutsch/Stakeholderliste" \t "_blank) (see [chapter](http://de.pons.com/übersetzung/englisch-deutsch/Chapter" \t "_blank) 4 reference [documents](http://de.pons.com/übersetzung/englisch-deutsch/documents" \t "_blank)).

## Functional requirements

[A](http://de.pons.com/übersetzung/englisch-deutsch/A" \t "_blank) [functional](http://de.pons.com/übersetzung/englisch-deutsch/functional" \t "_blank) requirement [is](http://de.pons.com/übersetzung/englisch-deutsch/is" \t "_blank) [every](http://de.pons.com/übersetzung/englisch-deutsch/every" \t "_blank) [requirement](http://de.pons.com/übersetzung/englisch-deutsch/requirement" \t "_blank) [which](http://de.pons.com/übersetzung/englisch-deutsch/which" \t "_blank) [makes](http://de.pons.com/übersetzung/englisch-deutsch/makes" \t "_blank) [a](http://de.pons.com/übersetzung/englisch-deutsch/a" \t "_blank) [declaration](http://de.pons.com/übersetzung/englisch-deutsch/declaration" \t "_blank) [to](http://de.pons.com/übersetzung/englisch-deutsch/to" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [pure](http://de.pons.com/übersetzung/englisch-deutsch/pure" \t "_blank) [function](http://de.pons.com/übersetzung/englisch-deutsch/function" \t "_blank).

### BUC-1 Provide Master data

|  |  |
| --- | --- |
| **BUC-1** | **Description** |
| Short description | DisCo get the master data from Fileshare SMT.  These are personal data (AMPplus), incl. individual and global aliases, address data (ZUBOFI), zip codes (ASDP with information on operational units and company postal code).  All these master data are made available for manual data entry. |
| Trigger | AMPplus, ZUBOFI and ASDP deliver new MasterData for SMT. The actor obtains master data from SMT. |
| Precondition | SMT is available and new master data were delivered and stored by SMT |
| Standard process |  |
| Alternative | Existing master data will be used if there by SMT are no new master data available. |
| Exceptions | No |
| Outcome | Master data are made available for SPS. |
| Documents | * Document [11] < SY\_Schnittstelle\_SMT\_DisCo\_<Version>.docx > chapter 3.1 FaFo-1 * Document [08] <AMPplus\_SRS\_Schnittstellen\_<Version>.docx> chapter 5.14 Schnittstelle AMPplus 🡺 ADM-SPM * ZUBOFI: Document [09] <SY\_Schnittstelle\_ZUBOFI\_SMT\_<Version>.docx> * ASDP: Document [10] < SY\_Schnittstelle\_ASDP\_SMT\_<Version>.docx> |

#### FUN-1-1 Prepare master data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FaFo-1-1** | **Provide Personal data** | | | |
| **Categorization** | **Person in charge** | STK-18 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Master data from AMPplus (personal data) are made available for DisCo. This are Names, Pers-Key, AMP-Key, Hauskey, Aliases and Pickpost/Mypost24-customernumber. | | | |
| Actor | DisCo-SMT-Scheduler | | | |
| Triggering event | Scheduler fetch data from SMT. | | | |
| Precondition | SMT is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | A scheduler runs regularly, deltas every day at 04:00 CET and full weekly at sunday 03:00 CET, to look for AMPplus data (full or delta delivery stored by SMT). If new data are available, they should be copied into a database. New datas are available if there at SMT in directory <AMPplus\xxx\01\_Aktiv> datas with actual date (Filenames PL.KUN\_xxxxxxx\_ddmmyyy014006.xml contain the actual date).  Following tables of AMPplus will be provided:   * Persons * Individual Aliases   Content of data for Persons and Aliases see chapter 4.4.2  Only inland addresses (domicile and postfach) are provided   1. Up-to-date personal data: The up-to-date residential and business addresses need to be made available during data preparation. Considered as up-to-date are addresses that are valid and effective as from today and in the future and checked by AMPplus. Mutations are delivered in Delta. Duplicates in AMPplus are not delivered. 2. Historically active personal data: These data are specified by AMPplus as "historically active". In other words, they are addresses from which a change of residence is done (redirection order is valid). Such residential and business addresses need to be made available during the data preparation. | | | |
| Alternative | The scheduler can be manually executed at any time | | | |
| Exceptions | If new data are not available, then processing is completed and prepared for the next run.  There is a message that no new data were found. | | | |
| Postcondition (Result) | Master data are made available for DisCo.  It is possible to see on what day which master data version was made available. | | | |

|  |  |  |  |  |
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| **FaFo-1-2** | **Provide Adress data** | | | |
| **Categorization** | **Person in charge** | STK-20 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Master data from ZUBOFI (address data) are made available for DisCo. This are streetname, housenumber, ZIP-Code, locations, aliases to street and locations, streetnumber and Hauskey. | | | |
| Actor | DisCo-SMT-Scheduler | | | |
| Triggering event | Scheduler fetch data from SMT | | | |
| Precondition | SMT is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | A scheduler starts regularly, every sunday at 02:30 CET to search on SMT for ZUBOFI data.  If new data are available, they willl be copied into a database. New datas are available if there at SMT in directory <ZUBOFI\_DISCO\01\_Aktiv> datas with actual date (Filenames as example PL.ZUBOFI\_ADR\_provide\_SE-S-SPO\_V0100\_17052016115506\_158\_20160517.xml contain the actual date).  Following tables of ZUBOFI will be provided:   * PLZ * LOK * LOKA * ADR * AADR   Content of data for Persons and Aliases see chapter 4.4.3 | | | |
| Alternative | The scheduler can be manually executed at any time. | | | |
| Exceptions | If new data are not available, then processing is completed and prepared for the next run.  There is a message that no new data were found. | | | |
| Postcondition (Result) | Master data are made available for DisCo.  It is possible to see on what day which master data version was made available. | | | |

|  |  |  |  |  |
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| **FaFo-1-3** | **Provide PLZ** | | | |
| **Categorization** | **Person in charge** | STK-21 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Master data from ASDP (ZIP with details of operation sites) and ASDPPLZ (companies ZIP) are made available for DisCo | | | |
| Actor | DisCo-SMT-Scheduler | | | |
| Triggering event | Scheduler fetch data from SMT | | | |
| Precondition | SMT is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | A scheduler starts regularly, every day at 02:30 CET to search on SMT for ASDP and ASDPPLZ data.  If new data are available, they will be copied into a database.  Following tables of ASDP will be provided:   * ASDP = ZIP with details of operation sites * ASDPPLZ = ZIP with attributes to companies ZIP   Content of data for ZIP see chapter 4.4.4 | | | |
| Alternative | The scheduler can be manually executed at any time. | | | |
| Exceptions | If new data are not available, then processing is completed and prepared for the next run.  There is a message that no new data were found. | | | |
| Postcondition (Result) | Master data are made available for DisCo.  It is possible to see on what day which master data version was made available. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FaFo-1-5** | **Prepare Master data** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Master data from DisCo database are prepared for the usage of data entry at manual coding (SPS Vietnam). | | | |
| Actor | DisCo | | | |
| Triggering event | DisCo-SMT-Scheduler are completed sucessfully | | | |
| Precondition | DisCo databases are available | | | |
| Diagram  (Recommended) | It may be that data must be normalized or summarized. Discussion with SPS, suggestions and ideas might be addressed in SPS project concept. | | | |
| Standard process | Master data from DisCo database will be prepared for data entry. | | | |
| Alternative | If from one of the FaFo‘s no new datas delivered, don‘t prepare new master datas. The system should use the last successfull prepared datas. | | | |
| Exceptions | No | | | |
| Postcondition (Result) | Master data are made available for manual data entry. | | | |

#### FUN-1-2 Delivery of master data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FaFo-1-6 / FaFo-1-7** | **Processing of file delivery and provision of data to SPS** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | NOK |
| Use case diagram |  | | | |
| Short description | Master data are made available for the clients of manual data entry. | | | |
| Actor | DisCo | | | |
| Triggering event | FaFo-1-5 completed | | | |
| Precondition | DisCo database is available | | | |
| Diagram  (Recommended) | It is conceivable that the clients access DisCo also via web service. Therefore, the procedures presented here would change. Discussion with SPS, suggestions and ideas as part of SPS concept. | | | |
| Standard process | Master data from DisCo database is prepared for manual data entry. | | | |
| Alternative | If there no new data prepared by FaFo-1-5 it’s nothing to delivery. The system should use the last successfull delivered datas. | | | |
| Exceptions | No | | | |
| Postcondition (Result) | Master data are availabe for manual data entry. | | | |

### BUC-2 Provide consignment data

|  |  |
| --- | --- |
| **BUC-2** | **Description** |
| Short description | Data supplied by PDS (parcel data and images) are imported by DisCo.  Data, which should be filtered and not go through data entry, will be transferred directly to BUC-5. |
| Trigger | PDS calls web service of DisCo and transfers data. |
| Precondition | PDS and DisCo are available |
| Standard procedure |  |
| Alternative | No |
| Exception | If DisCo cannot store the data and confirm to PDS “successfully”, an appropriate feedback must be sent to PDS. In that case, DisCo may not store data and must reverse the steps. |
| Result | DisCo received data and images from the PDS and stored for further processing to BUC-3.  Data, which should be filtered and not go through data entry, will be transferred directly to BUC-5.  Datas with “No further processing“ will recorded statistically and process is ended. |
| Document | Description Webservice at document [03] <PDS\_ParcelInfoService\_V0224.docx>, chapter 4 and document [12] SY\_Schnittstelle\_PDS\_DISCO\_X0101.docx |

#### FUN-2-1 Data from sorting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FaFo-2-1** | **Read RPP data** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | NOK |
| Use case diagram |  | | | |
| Short description | Each PDS receives from all connected ACS (PAR) one or two RPP messages per coding. Exactly one RPP message per ACS coding is determined for each of the forwarding to DisCo. This message is recognized by PDS with the help of RPP Tags VCASE = 0 or VCASE = 1.  The PDS will forward a subset of RPP data and the image (Full Binary) via ParcelInfoService to DisCo. ParcelInfoService is a web service which is provided by DisCo and is called by PDS.  Data is stored on DisCo for further processing.  Goto next step FaFo-2-2 (Filter). | | | |
| Actor | PDS, DisCo | | | |
| Triggering event | PDS calls the web service. | | | |
| Precondition | PDS and DisCo are available. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | * Awaiting information The ParcelInfoService, which runs on DisCo, is called by PDS. PDS delivers a subset of information from the ACS (RPP message) to DisCo. In the web service, we have defined many fields, which contain numerical values, as integer rather than string. The reason is that question marks ("?" Or "????") might be sent in PP2000 protocol. Most of these fields are not required by the PDS itself and stored 1:1 into the PDB Oracle image database. There, these fields are present in each case as VARCHAR. It is therefore to be expected that on DisCo question marks may occur in such fields.   File architecture of PacelInfoService:    The RPP message is created for the first time after the ACS-coding, that is 2-8 seconds after the coding of the image. This also applies to consignments which are undergoing VCS coding. Due to the early creation of the RPP message, it is no longer possible to consider the VCS coding for DisCo. It is also to be expected with unusable images (Address not on image, etc.)   * Read RPP data Data is stored on DisCo. DisCo confirms to PDS the receiving. * DisCo writes statistics upon receiving the data. * Further processing of the data is triggered. | | | |
| Alternative | ACS cannot read or insufficient address information for sorting, but Identcode has been found and read: The picture and the RPP message shall be made available for PDS. Here the process may vary either by more data to be captured or not usable image. | | | |
| Exceptions | If DisCo cannot store the data and confirm to PDS “successfully”, a appropriate feedback must be sent to PDS. In that case, DisCo may not store data and must reverse the steps.  In this case, an error message must be written. | | | |
| Postcondition (Result) | ACS information were transferred to DisCo via RPP message. The associated image is available on DisCo. Statistics are tracked.  Further processing (Filtering FaFo-2-2) is triggered. | | | |

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| **FaFo-2-2** | **Filter** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Each record is checked whether this is for DMC-processing (DataMatrixCode), for capturing or for DisCo not relevant. The record is marked accordingly.  Each processing step is statistically recorded. | | | |
| Actor | DisCo | | | |
| Triggering event | FaFo-2-1 | | | |
| Precondition | DisCo is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | DisCo checks the data whether they are subject to a special filtering and marks them accordingly.  **Filtering**  Filtering is used to controll which data and images do not need to be captured or not go through DMC-processing:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Filtering** |  |  |  |  | | **Description** | **Criterium** | **Value** | **Direct processing DMC** | **No further processing** | | Foreign parcel | ADR\_TYP | A | X |  | | Foreign parcel | Identcode | 99650000\* | X |  | | Consignment without Identcode | Identcode |  |  | X | | MCS Consignment | CODQUAL | 90 | X |  | | Extra service TSR | PRZL | 1000 | X |  | | Extra service GAS | PRZL | 203 | X |  | | Returns | Identcode | ??01\* | X |  | | No image | HasImage | False |  | X | | Identcode not 18-digit | Identcode | .\*(?<!^\d{18}) |  | X | | Remote parcel | CODQUAL | 50 | X |  | | Redirection and Military | PRZL | 1020  1007 | X |  | | Return consignment | PRZL | 1030 | X |  | | Transfer consignment | PRZL | 1040 | X |  | | Consignment from LCU | CODQUAL | 71 | X |  | | Successful VCS-Abort | CODQUAL | 72 | X |  | | Same Identcode repeatedly | Zeitdifferenz (minutes) | 180 |  | X | | Exklusive Company PLZ | PLZ\_TYP und LogistischerTyp=false | PLZTYP=40 and LOGTYP=0 | X |  | | Logistics Company PLZ | PLZ\_TYP und LogistischerTyp=true | PLZTYP=40 and LOGTYP=1 | X |  | | Post internal PLZ | PLZ\_TYP | 80,99 | X |  | | ZIP code | PLZ | 303000 | X |  | | Full address available | CODQUAL | 67 (from PAR) or  61 (from other PZ) | X |  |   All non-filtered data are for capturing (full address data entry). | | | |
| Alternative | If DISCO receive from PDS data with PRZL=203 (GAS) and full address from PAR (CODQUAL=61 or 67) send this datas to VAM and record submit to BUC-5 (DMC coding) --> additional new step  If DISCO receive from PDS data with PRZL=203 (GAS) without full address from PAR (CODQUAL=61 or 67) submit record to BUC-5 (DMC coding) --> actual step | | | |
| Exceptions | No | | | |
| Postcondition (Result) | The data are available for further processing and contain the relevant characteristics for the next steps. The data are stored and available for next process steps BUC-3 or BUC-5. Datas with “No further processing“ will recorded statistically and process is ended.  Each processing step is statistically recorded, it should be also apparent which filter has been applied. | | | |

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| **FaFo-2-3** | **Create statistics** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Each data set and each processing step is statistically recorded. | | | |
| Actor | DisCo | | | |
| Triggering event | FaFo-2-1 or FaFo-2-2 | | | |
| Precondition | DisCo is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | Data reception and the status for further processing (filter or parameter) is recorded in statistics. The whole record, all changes and the timestamps of each each processing step should be recorded. Each processing step results in a new entry in the statistics.  The statistics should show which processing step the consignment is in and how long the processing step took.  Identcode acts as the master key. | | | |
| Alternative | No | | | |
| Exceptions | No | | | |
| Postcondition (Result) | Statistics entries created. | | | |

### BUC-3 Match and distribute data

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| **BUC-3** | **Description** |
| Short description | 1. DataTransfer provides address information to consignments which arrive 45 minutes after address information are available at the parcel center. DPM will hand over informations Identcode, AMP-Key, Hauskey and services. Validated data with a Hauskey>0 are passed to VAM and to Padasa. 2. Parcel data from PDS (P-data) are checked whether there are already existing verified address data from DPM. If the parcel data already has an AMP-Key>0, it will be forwarded to VAM (see table before). If there is still no AMP-Key and if it is not a company or Post Internal ZIP, the data incl. picture will be transmitted to manual data entry. In addition, all data and images from PDS will go through barcode processing. |
| Trigger | DisCo received data from DPM or received data from BUC-2 for further process the datas (they will be marked for further process and BUC-3 will polling to find this datas) |
| Precondition | DPM, VAM, DisCo and Padasa are available |
| Standard process |  |
| Alternative | No |
| Exceptions | 1. If DPM is not available, the address from DataTransfer cannot be validated. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. 2. If Padasa is not available, the validated address cannot be transmitted to Padasa. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. 3. If VAM is not available, the validated address cannot be transmitted to VAM. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. |
| Result | DisCo has distributed data to Padasa and VAM or to manual data entry. The data are available for further processing and contain the relevant characteristics for the next steps. The data are stored and available for next process steps. Statistics are tracked. |
| Documents | Descriptions at chapter 4:   * of web service in doc [05] <CaptureResultService.wsdl> * of interface to PADASA in doc [06] SD\_Systemdesign\_VG-PADASA\_V0102.docx * of interface DPM-DISCO in doc [13] SY\_Schnittstelle\_DPM\_DISCO\_X0101.docx |

#### FUN-3-1 Processing Datatransfer Datas

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| --- | --- | --- | --- | --- |
| **FAfo-3-1** | **Receive data** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | NOK |
| Use case diagram |  | | | |
| Short description | DataTransfer sends data to DisCo via EAI and web service ReceiverInfoService. This Service will use the structure from CaptureResultService, increase with new information ItemUID.  Data are processed and stored on DisCo.  The processing steps are statistically recorded (refer to FaFo-2-2, chapter 4.1.2.1). | | | |
| Actor | DataTransfer | | | |
| Triggering event | DataTransfer uses the web service of DisCo | | | |
| Precondition | DisCo is available | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | EAI calls the web service ReceiverInfoService and passes data to DisCo.  DisCo accepts the data and stores them for further processing.  The processing stepsare statistically recorded. | | | |
| Alternative | No | | | |
| Exceptions | If ReceiverInfo object is not valid, a warning is delivered back and this also captures statistically. An object is considered as valid if the field "IdentCode" is not empty and contents in the field are in order, and one or more of the following fields are not empty and contents are in order:   * Name or FirmennameStrasse or Postfach * Postleitzahl * Ort   Not valid ReceiverIinfo objects data are not stored in DisCo. | | | |
| Postcondition (Result) | Data from DataTransfer are stored on DisCo and available. | | | |

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| **FAfo-3-3** | **Forward data** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | NOK |
| Use case diagram |  | | | |
| Short description | Data, which are validated with DPM, along with a Domizil-HAUSKEY>0 or Parcel HAUSKEY>0 must be forwarded to VAM and to Padasa. | | | |
| Actor | DisCo | | | |
| Triggering event | Available data via FaFo-3-1 | | | |
| Precondition | Fafo-3-1 has been completed and data with AMP-Key or a Domizil-HAUSKEY or Parcel HAUSKEY are available. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | If a unique record from an DPM query is ascertained, and if a Domizil-HAUSKEY>0 or Parcel HAUSKEY>0 exist, DisCo will send all data to VAMs (without ItemUID) and to Padasa (with ItemUID).  If Parcel-Hauskey is empty, the value of Domizil-Hauskey will be taken over in the Parcel-Hauskey field, when sent to VAM and Padasa. This because VAM work with Parcel-Hauskey. | | | |
| Alternative | No | | | |
| Exceptions | If Padasa or one of the VAM stations are not available, the addresses cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. | | | |
| Postcondition (Result) | Data are successfully sent to Padasa and all VAM stations. Statistics are tracked. | | | |

#### FUN-3-2 Match

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| --- | --- | --- | --- | --- |
| **FAfo-3-4** | **Match data** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Parcel data, which are from PDS and proper for data entry, should be verified whether address data of DataTransfer already exist. If the parcel data already have AMP-Key>0, they should be forwarded to VAM. If not the data will be prepared to manual coding (BUC-4). | | | |
| Actor | DisCo, VAM | | | |
| Triggering event | BUC-2 FUN-2-1 FaFo-2-2 have data stored and are available with relevant characteristics | | | |
| Precondition | PDS has delivered data to DisCo. DisCo has completed the data filtering. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | Newly stored data from BUC-2 (without filtering), should be matched with existing, verified address data from Fafo 3-1.  If there are verified address data with full addresses ( AMP-Key>0 and Hauskey) and not marked as manual or captured, they will be forwarded to VAM stations.Datas with a match will be delivery with CallerID=VG to VAM. It’s possible that this process can be the same as the process BUC-4 FUN-4-2. Need to be defined in the concept papers.  Upon successful handover to VAM, statistics will be tracked and mark the data as “captured”. | | | |
| Alternative | If there are not verified address data they will be stored with relevant characteristics to further process BUC-4 FUN-4-1.  Statistics will be tracked and mark the data as “manual”. | | | |
| Exceptions | If one of the VAM station is not available, the addresses cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. All other VAM stations will be operated with the data. | | | |
| Postcondition (Result) | DisCo has distributed data to VAM and statistics marked these as “captured” or the data is marked with relevant characteristics to further process BUC-4 FUN-4-1 and statistics marked these as “manual”. Statistics are tracked. | | | |

### BUC-4 Offshore data entry

| **BUC-4** | **Description** |
| --- | --- |
| Short description | Via system DisCo, data and images which are not processed yet, will be passed to the manual data entry. According to specifications (detection rules) to be AMP-Key, domiciliary and Parcel HAUSKEY and services, as well as customer numbers, captured and returned via DisCo on VAM.  The images are not returned and discarded in the manual coding. |
| Trigger | DisCo provides parcel data and images |
| Precondition | VAM, DisCo and manual coding are available. SPS Ltd. has the master data obtained from BUC-1 and provided for the acquisition. |
| Standard process |  |
| Alternativen | No |
| Exceptions | 1. If SPS Ltd. is not available, data cannot be transferred to manual data entry. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. 2. If VAM is unavailable, data cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. |
| Result | For each fetched row manual coding has given feedback, statistics are tracked.  The feedback goes to VAM |
| Documents | Descriptions   * Erfassungsregeln\_GHP * Capture procedure at SPS Ltd. in doc [07] VAE\_Agreement\_zu\_Erfassungsregeln\_20170530.V3.4.pdf> * Webreport, manage configuration in doc [14] |

#### FUN-4-1 Capture data

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| **FAfo-4-1** | **Search** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Not VAE-processed data are searched and handed over the manual coding for recording. | | | |
| Actor | DisCo, SPS Ltd. | | | |
| Triggering event | BUC-3 | | | |
| Precondition | DisCo completes the data filtering and already marked validated data assended to VAM. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | BUC-3 labeled data (data without a filter characteristic and not yet processed VAE) are given in the manual coding.  The statistics will be tracked. | | | |
| Alternative | No | | | |
| Exceptions | If SPS Ltd. is not available, data cannot be transferred to offshore. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. | | | |
| Postcondition (Result) | Data are in the manual coding, statistics are tracked. | | | |

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| **FAfo-4-2 – FaFo-4-4** | **Capture Keyword, AMP-Key and Hauskey** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | In the manual coding should Pers\_Key and AMP-Key, domiciliary and Parcel Hauskey, services and customer numbers are recorded. | | | |
| Actor | DisCo, SPS Ltd. | | | |
| Triggering event | The capture clients of manual coding received data. | | | |
| Precondition | Users are logged on to the Capture Clients | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | The process at SPS Ltd. acc. Document <VAE\_Agreement\_zu\_Erfassungsregeln\_20170530.V3.4.pdf> needs to be revised. Let’s observe also the following points:  **Adressen mit Exklusive Firmen-PLZ** were found in search and captured as Full Address.  In order that Re-processing address with company plz will be not performed, the Vietnam-client must put **ParcelAdrType += Firmen-PLZ** in full address for ASDP.PLZTyp=40 (Firmen-PLZ).  **Addressen with Logistische Firmen-PLZ** such as PostInternal-PLZ will be not found in search. Because Vietnam-Client have got no Stammdaten from GWB , an not-validated address in Vietname will be coded. The Re-processing will be not perfomed without Volle-Adresse , because of the lack of Amp-Key and der HausKey.  The sorted relevant address will be captured by VCS or MCS. | | | |
| Alternative | If no match with the master data can be found, the missing information of the address is to be entered manually. | | | |
| Exceptions | If SPS Ltd. is not available, data cannot be transferred to offshore. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. | | | |
| Postcondition (Result) | DISCO SPS Ltd. receive a full address and stored. Statistics are tracked. | | | |

#### FUN-4-2 Daten versenden

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| --- | --- | --- | --- | --- |
| **FAfo-4-5** | **Send data** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | DisCo has sent the address data from manual data entry to VAM | | | |
| Actor | DisCo, VAM | | | |
| Triggering event | BUC-4 FUN-4-1 or BUC-3 FaFo-3-4 | | | |
| Precondition | DisCo received response data from the manual data entry. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | BUC-4-FUN 4-1 newly stored data is forwarded to the appropriate VAM stations.  Upon successful handover to VAM, statistics will be tracked and marks the data as encoded.  How datas processed and send to VAM will be defined and discuss between SPS and PL. It’s possible that this can be about FUN-3-2 and FUN3-1. | | | |
| Alternative | No | | | |
| Exceptions | If VAM is unavailable, data from BUC-4 cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. | | | |
| Postcondition (Result) | DisCo has sent data to VAM, statistics are tracked.  DISCO Re-send parcel to DMC-Service every 3 minutes (see parameter schedule.resend.dmc.cron by webreport) | | | |

### BUC-5 Complete processing

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| **BUC-5** | **Description** |
| Short description | Consignments with datamatrix codes are recorded, read the codes and sends the content of the codes to Padasa. Padasa needs this data for evaluating of postage paid.  After completing these tasks, a statistic is written and completed processing. |
| Trigger | Polling fro datas with relevant characteristics |
| Precondition | DisCo completed the filtering and marked the data for DMC-processing or as VAE-processed and not completed data are available |
| Standard process |  |
| Alternative | No |
| Exceptions | If Padasa is unavailable, data from BUC-5 cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. |
| Result | Statistics is written and data is marked as completed. |
| Documents |  |

#### FUN-5-1 Process barcodes

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| --- | --- | --- | --- | --- |
| **FAfo-5-1** | **Search data** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | All relevant data for DMC-processing are searched   * All data from BUC-2 Fafo-2-2 which were assigned directly for DMC-processing * All data processed by VAE | | | |
| Actor | DisCo | | | |
| Triggering event | Polling fro datas with relevant characteristics | | | |
| Precondition | Messages imported from BUC-2 by DisCo and data supplied by PDS (parcel data and images) must be available.  DisCo has completed the data filtering. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | All data which are not completed yet and relevant for DMC-processing are searched and fed the barcode processing. They are:   * All data from BUC-2 Fafo-2-2 which were assigned directly for DMC-processing * All data processed by VAE | | | |
| Alternative | No | | | |
| Exceptions | No | | | |
| Postcondition (Result) | Found Data are fed the barcode processing. | | | |

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| **FAfo-5-2** | **Read Barcode** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Images will be checked for DMC codes and read existing code.  Statistics will be tracked. | | | |
| Actor | DisCo | | | |
| Triggering event | BUC-5 FaFo-5-1 | | | |
| Precondition | Data are made available from BUC-5 FaFo-5-1. | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | The images (contained in the data) are read and checked for existing DMC codes.  Codes listed below are to be read and the contents should be stored.   |  |  | | --- | --- | | **Description** | **Value** | | Frankiermerkmal SCHAPO | 1;FM SCHAPO;DMC; (7561090)[0-9]{32}(0|1)[0-9]{19}(0) | | Frankiermerkmal IFS 1.0 | 2;FM IFS1;DMC; [0]{22}[0-9]{64}(00) | | Frankiermerkmal IFS 2.0 | 3;FM IFS2;DMC; (7568001)[0-9]{53} | | Frankiermerkmal WebStampPM | 4;FM WSM;DMC; (7568015)[0]{9}[0-9]{70}(01) | | Frankiermerkmal YMAGO | 5;FM YMA;DMC; (7561029)[0-9]29 | | Frankiermerkmal IFS 3.0 | 6;FM IFS3;DMC; (7568003)[0-9]{53} |   Processed data will be marked as BCsend. | | | |
| Alternative | If there are no such codes available, data is marked as BCworked. | | | |
| Exceptions | No | | | |
| Postcondition (Result) | Contents of the relevant codes are stored, data are marked as BCsend or BCworked.  The statistics are tracked.  Trigger to FUN-5-2 | | | |

#### FUN-5-2 Send barcode data

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| --- | --- | --- | --- | --- |
| **FAfo-5-3** | **Send Barcode data to Padasa** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Data marked with BCsend will be passed to Padasa and then marked as BCworked.  Statistics will be tracked. | | | |
| Actor | DisCo | | | |
| Triggering event | BUC-5 FaFo-5-1 | | | |
| Precondition | Data are made available from BUC-5 FaFo-5-1 | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | Barcode contents with the mark BCsend is used to call the web service of Padasa and the data are passed to Padasa.  Data are marked as BCworked. Statistics will be tracked. | | | |
| Alternative | No | | | |
| Exceptions | If Padasa is unavailable, data from BUC-5 cannot be transmitted. In this case, an error message is written (every 15 minutes, adjustable about parameter). The transmission should be executed periodically, if successful, a success message is written. | | | |
| Postcondition (Result) | Contents of relevant barcodes are stored. Data are marked as BCworked.  The statistics are tracked.  Trigger to FaFo-5-4 | | | |

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| **FAfo-5-4** | **Complete** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Priority** (M / K) | M | **Status** (OK / NOK) | OK |
| Use case diagram |  | | | |
| Short description | Data marked as BCworked will be completed and the processing is ended. Data is marked as finished.  Statistics will be tracked. | | | |
| Actor | DisCo | | | |
| Triggering event | BUC-5 FaFo-5-3 | | | |
| Precondition | Data are available from BUC-5 FaFo-5-3 | | | |
| Diagram  (Recommended) |  | | | |
| Standard process | Data using the mark BCworked be completed and the processing is terminated. The data is marked as finished.  The statistics will be tracked. | | | |
| Alternative | No | | | |
| Exceptions | No | | | |
| Postcondition (Result) | The data are marked as finished.  The statistics are tracked. | | | |

## Quality requirements

User-related non-functional requirements. The ISO 9216 is an extensive collection of possible quality requirements:

* Usability (comprehensibility, learnability, operability).
* Efficiency (time behavior, consumption behavior).
* Reliability (maturity, fault tolerance recoverability).
* Changeability (analysability, modifiability, stability, testability).
* Transferability (of installation, portability, coexistence, interchangeability).

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| **QAfo-1** | **Prioritization of PZ consignment over LCU consignment** | | | |
| **Categorization** | **Person in charge** | STK-4 | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | DisCo will receive datas from PDS (see BUC-2) | | | |
| Description | This datas have a SourceStation definition. Shipments of the PZ (DAI, HAE, FRA) must be treated as a priority and in consignments from LCU. The setting, which SourceStation in which priority, is adjustable about parameter  Process the datas from PZ (92% from all received datas) immediately and process the datas from LCU (8% from all received datas ) as second priority. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QAfo-2** | **Performance from provide consignment data (BUC2) to Offshore data entry (BUC-4)** | | | |
| **Categorization** | **Person in charge** | STK-4 | **Version** | 1 |
| **Importance** (1-5) | 1 | **Priority** (1-5) | 1 |
| Precondition | Received datas from PDS are stored in DisCo. | | | |
| Description | Timeline for process from stored data (end of process FaFo-2-1) to Offshore data entry (end of process FaFo-4-2) is:   * for PZ datas <= 27 seconds with 90% of the data * for PZ datas <= 45 seconds with 10% of the data * for LCU datas <= 900 seconds (15 minutes) with 100% of the data | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QAfo-3** | **DisCo-Statistik** | | | |
| **Categorization** | **Person in charge** | STK-3 | **Version** | 1 |
| **Importance** (1-5) | 1 | **Priority** (1-5) | 2 |
| Precondition | Process steps and data handling | | | |
| Description | Each step, include possible change in the data, to a consignment must be logged. This logging can be carried out as a log file or in a database structure.  The datas should be available for 60 days back (dynamically definable) | | | |

## Requirements regarding development and maintenance environment

Requirements for development and maintenance environment such parallelization, technology, programming policy, naming conventions, testability, etc.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EAfo-4** | **Environment** | | | |
| **Categorization** | **Person in charge** | STK-22 | **Version** | 1 |
| **Importance** (1-5) | 1 | **Priority** (1-5) | 1 |
| Precondition | Environment is discussed between development and IT Post | | | |
| Description | For best flexibility we should use virtual technologie. | | | |

## Requirements regarding interfaces

Professional, technical and organizational requirements for the interfaces such as protocol and infrastructure, formats, limitations and conditions, timing, synchronization of the interface, data volume (minimum, average, maximum), error handling, security.

Whether a separate interface documentation for each interface is necessary, must be judged situationally.

### Data from PDS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SAfo-5** | **Big images in KByte** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | The size of the parcel image has an influence on the transmission of data (time) | | | |
| Description | Allowed to DisCo the data transmission of each data set PDS not exceed the period of 0.3 seconds. | | | |

### Data from AMPplus

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SAfo-6** | **Content of data Persons** | | | |
| **Kategorisierung** | **Verantwortlicher** | STK-15 | **Version** | 1 |
| **Wichtigkeit** (1-5) | 2 | **Dringlichkeit** (1-5) | 2 |
| Precondition | Datas from AMPplus are delivered to SMT | | | |
| Description | There are xml-files   | **Feld** | **Typ** | **Bemerkungen** | | --- | --- | --- | | KUN\_KDP\_ID | Int | KDP\_ID | | KUN\_TYP | String | Personen-Typ  P = Privatpersonen (private)  O = Geschäftpersonen (office) | | KUN\_GESCHLECHT | String | Nur bei Privatpersonen  M = männlich (Herr)  W = weiblich (Frau) | | KUN\_NAME | String | Nachname oder Firmenname und Firmennamezusatz | | KUN\_VORNAME | String | Vorname nur bei Privatpersonen | | KUN\_AKTION | String | I = Einfügen (insert)  U = Änderung (update)  D = Löschen (delete)  Im Full immer ‚I‘ | | ZUB\_ADR\_ID | int | Adr\_ID | | ZUB\_AADR\_ID | int | AADR\_ID | | ZUB\_HAUSKEY | int | Zubofi Hauskey | | ZUB\_HBK\_ID | int | Briefkasten ID | | Q\_LEVEL | int | Qualitätslevel  0 = FECS-Deaktivierung  1 = Klon  2 = Nachsendungen  3 = Postfach  4 = Standard (GFS) | | NIXIE\_CODE | int | Rücksendungsgrund-Schlüssel  Das Feld ist nur bei NIXIE gefüllt, d.h. bei Personen mit Rücksendungsgründen  2 = gestorben  4 = Empfänger konnte an der Adresse nicht ermittelt werden  6 = Firma erloschen  7 = weggezogen, NSA abgelaufen  8 = kein NSA vorhanden | | Kundennummer | String | Die Zugangsnummer welche der Kunde zum Produkt Pickpost oder Mypost24 hat | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SAfo-7** | **Content of data Aliases** | | | |
| **Kategorisierung** | **Verantwortlicher** | STK-15 | **Version** | 1 |
| **Wichtigkeit** (1-5) | 2 | **Dringlichkeit** (1-5) | 2 |
| Precondition | Datas from AMPplus are delivered to SMT | | | |
| Description | Individuelle Aliase:   * Is a xml-file * Structur: KUN\_KDP\_ID,ALIAS\_ID,NAME\_ALIAS,VORNAME\_ALIAS * datas: 22738975;108190;;MARIA LUIGIA  | **Feld** | **Typ** | **Bemerkungen** | | --- | --- | --- | | KUN\_KDP\_ID | int | KDP\_ID | | ALIAS\_ID | int | Alias Id (früher IALIAS\_ID\_LOKAL) | | NAME\_ALIAS | String | Alias von Name | | VORNAME\_ALIAS | String | Alias von Vorname |   Globale Aliase:  This datas will be send per mail by request from DISCO and have following format:   * Is a csv-file * line 1 (Structur): Bez; Sollstring;Alias1;Alias2;Alias3;Alias4;Alias5;Alias6 * next lines (datas): FNM;ADELHEID;HEIDI;HEIDY  | **Feld** | **Typ** | **Bemerkungen** | | --- | --- | --- | | Bez | String | Unbekannter Wert, kann ignoriert werden | | Sollstring | String | Originalname zu dem alle folgenden Aliasbezeichnungen gehört | | Aliasx | String | 1-n Aliasbezeichnungen zum Originalnamen (Basis) | | | | |

### Data from ZUBOFI

There are xml-files:

|  |  |
| --- | --- |
| **Tabellenname** | **Beschreibung** |
| ZUBO\_PLZ | This table contains the local data (f.e. PLZ, city name) |
| ZUBO\_PLZA | This table contains the local data alternative city names to the PLZ |
| ZUBO\_LOK | This table contains the streetnames to the PLZ, incl. LOK\_ID and streetnumber LOK\_ASTRNR\_HOST\_BOFI |
| ZUBO\_LOKA | This table contains alternative streetnames |
| ZUBO\_LOKU | This table contains streetnames in French |
| ZUBO\_AADR | This table contains alternative address (f.e. other description to a streetname) |
| ZUBO\_ADR | This table contains the addresses (f.e. housenumber and housenumber appendix) |

Table: ZUBO\_PLZ

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| PLZ\_ID | NUMBER | 13 | NOT NULL | PK |
| PLZ\_PLZ | Varchar2 | 6 | NOT NULL | Postleitzahl |
| PLZ\_ONRP | Number | 5 | NOT NULL | Eindeutige Kennung für den PLZ |
| PLZ\_ORT\_18 | VARCHAR2 | 18 | NOT NULL | Ortsbezeichnung auf 18 Stellen |
| PLZ\_ORT\_39 | VARCHAR2 | 39 | NOT NULL | Ortsbezeichnung auf 39 Stellen |
| PLZ\_KANTON | Varchar2 | 2 | NOT NULL | Kantonskürzel |
| PLZ\_SPRACH\_CODE\_1 | Number | 1 | NULL | Sprachcode der PLZ |

Table: ZUBO\_PLZA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| PLZA\_ID | NUMBER | 13 | NOT NULL | PK |
| PLZA\_PLZ\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur PLZ |
| PLZA\_ONRP | Number | 5 | NOT NULL | Eindeutige Kennung für den PLZ |
| PLZA\_SPRACH\_CODE | Number | 1 | NULL | Sprache der Bezeichnung |
| PLZA\_ORT\_18 | VARCHAR2 | 18 | NOT NULL | Ortsbezeichnung auf 18 Stellen |
| PLZA\_ORT\_39 | VARCHAR2 | 39 | NOT NULL | Ortsbezeichnung auf 39 Stellen |

Table: ZUBO\_LOK

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feld** | **Typ** | **Länge** | **NULL / NOT NULL** | **Bemerkung** |
| LOK\_ID | NUMBER | 13 | NOT NULL | PK |
| LOK\_PLZ\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur ZUBO\_PLZPLZ |
| LOK\_NAME | VARCHAR2 | 60 | NOT NULL | Offizieller Name der Adresse |
| LOK\_NAME\_GK\_BOFI | VARCHAR2 | 25 | NOT NULL | Offizieller SOFI Name auf 25 Stellen |
| LOK\_NAME\_G\_BOFI | VARCHAR2 | 28 | NOT NULL | Offizieller Name in Großbuchstaben SOFI von 28 Positionen |
| LOK\_SPRACH\_CODE | Number | 1 | NOT NULL | Sprache der Bezeichnung |
| LOK\_ASTRNR\_HOST\_BOFI | Number | 6 | NOT\_NULL | Eindeutige Kennung für die Lokalisation |

Table: ZUBO\_LOKU

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| LOKU\_ID | NUMBER | 13 | NOT NULL | PK |
| LOKU\_LOK\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur ZUBO\_LOK |
| LOKU\_NAME | VARCHAR2 | 60 | NOT NULL | Offizieller Name der Adresse |
| LOKU\_NAME\_GK\_BOFI | VARCHAR2 | 25 | NOT NULL | Offizieller SOFI Name auf 25 Stellen |
| LOKU\_NAME\_G\_BOFI | VARCHAR2 | 28 | NOT NULL | Offizieller Name in Großbuchstaben SOFI von 28 Positionen |
| LOKU\_SPRACH\_CODE | Number | 1 | NOT NULL | Sprache der Bezeichnung |
| LOKU\_ASTRNR\_HOST\_BOFI | Number | 6 | NOT\_NULL | Eindeutige Kennung für die übersetzte Lokalisation |

Table: ZUBO\_LOKA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| LOKA\_ID | NUMBER | 13 | NOT NULL | PK |
| LOKA\_LOK\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur ZUBO\_LOK |
| LOKA\_NAME | VARCHAR2 | 60 | NOT NULL | Offizieller Name der Adresse |
| LOKA\_NAME\_GK\_BOFI | VARCHAR2 | 25 | NOT NULL | Offizieller SOFI Name auf 25 Stellen |
| LOKA\_NAME\_G\_BOFI | VARCHAR2 | 28 | NOT NULL | Offizieller Name in Großbuchstaben SOFI von 28 Positionen |
| LOKA\_SPRACH\_CODE | Number | 1 | NOT NULL | Sprache der Bezeichnung |
| LOKA\_ASTRNR\_HOST\_BOFI | Number | 6 | NOT\_NULL | Eindeutige Kennung für die alternative Lokalisation |

Table: ZUBO\_AADR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| .**Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| AADR\_ID | NUMBER | 13 | NOT NULL | PK |
| AADR\_ADR\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur ZUBO\_ADR |
| AADR\_NAME | VARCHAR2 | 60 | NOT NULL | Offizieller Name der Adresse |
| AADR\_NAME\_GK\_BOFI | VARCHAR2 | 25 | NOT NULL | Offizieller SOFI Name auf 25 Stellen |
| AADR\_NAME\_G\_BOFI | VARCHAR2 | 28 | NOT NULL | Offizieller Name in Großbuchstaben SOFI von 28 Positionen |
| AADR\_ASTRNR\_HOST\_BOFI | Number | 6 | NOT\_NULL | Eindeutige Kennung für die alternative Adresse |

Table: ZUBO\_ADR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| .**Feld** | **Typ** | **Länge** | **NULL/NOT NULL** | **Bemerkung** |
| ADR\_ID | NUMBER | 13 | NOT NULL | PK |
| ADR\_LOK\_ID | NUMBER | 13 | NOT NULL | Logischer Schlüssel zur ZUBO\_LOK |
| ADR\_HAUSKEY | NUMBER | 13 | NOT NULL | Eindeutige Kennung für die Adresse |
| ADR\_HNR | NUMBER | 4 | NULL | Adresse Nummer |
| ADR\_HNRA | VARCHAR2 | 6 | NULL | Alphanumerische Adresse Nummer |

### Data from ASDP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SAfo-8** | **Content of data ASDP** | | | |
| **Kategorisierung** | **Verantwortlicher** | STK-21 | **Version** | 1 |
| **Wichtigkeit** (1-5) | 1 | **Dringlichkeit** (1-5) | 1 |
| Precondition | Datas from ASDP are delivered to SMT into ASDP or ASDPPLZ | | | |
| Description | The requested flatfile for ASDP have following format:   * Line 1: #ASDP^000408^20150520020022 * Line 2: #POSTFACHANLAGE * Line 3: #[SAP\_ID]^[KDP\_ID]^[HAUSKEY]^[NAME]^[NAME2]^   [NAME3]^[STRASSE]^[NUMMER]^[PLZ]^[ORT]^[PF\_PLZ]^[PF\_ORT]^[OEPLZ]^  [OEPLZ\_BEZEICHNUNG]^[POSTFACH]^[PICKPOST]^[POSTLAGERND]   * Next lines (datas with delimiter ‘^'): 103672^15743813^58146475^Volg^Postagentur Märwil^^Weinfelderstrasse^2^956200^Märwil^^^956200^Märwil^Ja^Nein^Ja  |  |  | | --- | --- | | **Bezeichnung im File** | **Beschreibung ASDP** | | SAP\_ID | OE\_OBJEKT\_ID\_SAP, Primärschlüssel zur OE | | KDP\_ID | KDP-ID/AMP der zur OE verknüpften Adresse | | *HAUSKEY* | Hauskey gemäss AMP | | NAME | NAME gemäss AMP | | NAME2 | VNAME\_NAME2 gemäss AMP | | NAME3 | NAME3 gemäss AMP | | STRASSE | STRASSE\_TEXT gemäss AMP | | NUMMER | HAUSNR + HAUSNR\_A gemäss AMP | | PLZ | ORT\_PLZ gemäss AMP | | ORT | ORT\_ORT gemäss AMP | | PF\_PLZ | PF\_PLZ gemäss AMP | | PF\_ORT | PF\_ORT gemäss AMP | | OEPLZ | OEPZ\_PLZ, zur OE verknüpfte PLZ | | OEPLZ\_BEZEICHNUNG | PLZB\_BEZ39 | | POSTFACH (ja/nein) | OE hat aktive Schalterart Postfachanlage = ja | | PICKPOST (ja/nein) | OE hat aktives Leistungsangebot Pickpost = ja | | POSTLAGERND (ja/nein) | OE von PV und LiePost (Typ 700, 701 (Poststelle) 972 (Postunternehmer), 990 (PK-Stelle), 961 (Ymago-Agentur), 962 (V-MaX-Agentur) mit einem aktiven Normalschalter = ja |   Exaples:   |  |  |  | | --- | --- | --- | | Description | Addresse without Postfachanlage and Pickpoststelle | Adresse with Postfachanlage and Pickpoststelle | | SAP\_ID | 125746 | 102596 | | KDP\_ID | 13955506 | 13963440 | | *HAUSKEY* | 8042491 | 8133207 | | NAME | Volg | Post CH AG | | NAME2 | Postagentur Krauchthal | Poststellen und Verkauf | | NAME3 |  | Poststelle Wimmis | | STRASSE | Länggasse | Bahnhofstrasse | | NUMMER | 17 | 15 | | PLZ | 332600 | 375200 | | ORT | Krauchthal | Wimmis | | PF\_PLZ |  | 375200 | | PF\_ORT |  | Wimmis | | OEPLZ | 332600 | 375200 | | OEPLZ\_BEZEICHNUNG | Krauchthal | Wimmis | |  |  |  | |  |  |  | | Postfach (ja/nein) | Nein | Ja | | Pickpost (ja/nein) | Nein | Ja | | Postlagernd (ja/nein) | Ja | ja | |  |  |  |   The requested flatfile for ASDPPLZ have following format:   * Line 1: #ASDPPLZ^000002^20160506113903 * Line 2: #Postleitzahl aus Allgemeine Stammdaten Post * Line 3: #[PLZ\_PLZ]^[PLZ\_TYP]^[PLZ\_LOGTYP]^[PLZ\_IBS]^[PLZ\_ABS] * Next Lines (datas with delimiter ‘^'): 100000^20^^01.03.1988^   Format of the fields:   |  |  |  | | --- | --- | --- | | Attribute | Date type | Description | | PLZ\_PLZ | VARCHAR2(6) | 6 character PLZ | |  |  |  | | PLZ\_TYP | NUMBER (2) | 2 character TYP Nummer of PLZ | | *PLZ\_LOGTYP* | NUMBER (1) | *Bit = 1, Logistics Company-PLZ*  *Bit = 0, Exclusive Company-PLZ*  *Bit = NULL for PLZ\_TYP <> 40 (value is irrelevant)* | | *PLZ\_IBS* | *DATE* | *Activation date of PLZ* | | *PLZ\_ABS* | *DATE* | *Abandonment date of PLZ (optional)*  *DATUM = NULL, when the PLZ is valid for an unlimited time* | | | | |

## Requirements regarding documentation

[Listing](http://de.pons.com/übersetzung/englisch-deutsch/Listing" \t "_blank) [of](http://de.pons.com/übersetzung/englisch-deutsch/of" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [demands](http://de.pons.com/übersetzung/englisch-deutsch/demands" \t "_blank) [for](http://de.pons.com/übersetzung/englisch-deutsch/for" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [system](http://de.pons.com/übersetzung/englisch-deutsch/system" \t "_blank) [documentation](http://de.pons.com/übersetzung/englisch-deutsch/documentation" \t "_blank) [like](http://de.pons.com/übersetzung/englisch-deutsch/like" \t "_blank) [allocation](http://de.pons.com/übersetzung/englisch-deutsch/allocation" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [detail](http://de.pons.com/übersetzung/englisch-deutsch/detail" \t "_blank) [demands](http://de.pons.com/übersetzung/englisch-deutsch/demands" \t "_blank) [to](http://de.pons.com/übersetzung/englisch-deutsch/to" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [detailed](http://de.pons.com/übersetzung/englisch-deutsch/detailed" \t "_blank) [specifications](http://de.pons.com/übersetzung/englisch-deutsch/specifications" \t "_blank), [structure](http://de.pons.com/übersetzung/englisch-deutsch/structure" \t "_blank) [of](http://de.pons.com/übersetzung/englisch-deutsch/of" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [system](http://de.pons.com/übersetzung/englisch-deutsch/system" \t "_blank) [design](http://de.pons.com/übersetzung/englisch-deutsch/design" \t "_blank), [Description](http://de.pons.com/übersetzung/englisch-deutsch/Description" \t "_blank) [of](http://de.pons.com/übersetzung/englisch-deutsch/of" \t "_blank) [the](http://de.pons.com/übersetzung/englisch-deutsch/the" \t "_blank) [elements](http://de.pons.com/übersetzung/englisch-deutsch/elements" \t "_blank), [etc](http://de.pons.com/übersetzung/englisch-deutsch/etc" \t "_blank).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DAfo-9** | **Detailed specifications** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | None | | | |
| Description | The supplier creates and provides a detailed specification for the system DisCo | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DAfo-10** | **Operation manual** | | | |
| **Categorization** | **Person in charge** | STK-7 | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | None | | | |
| Description | The supplier creates and delivers an operating manual for the system DisCo. | | | |

## Requirements regarding architecture

Architecture-related requirements, such as Persistent, session handling, integration with other IT systems, distribution, internationalization, etc.  
In addition, these requirements are used as input into the system architecture.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AAfo-11** | **Recognition of Barcode types** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | The system must recognize and read at least the codes listed here can | | | |
| Description | |  |  | | --- | --- | | **Barcodetyp für Konfiguration** | **Barcodetyp** | | **2D-Codetypen** | | | | Datamatrix | Data Matrix | | | QRCode | QR Code | | | PDF417 | PDF417 | | | Aztec | Aztec Code | | | **1D-Barcodetypen** | | | | Code39 | Code 39 | | | Code128 | Code 128 | | | Code2\_5i | Code 2/5 interleaved | | | UPC | UPC | | | EAN | EAN | | | 4statepostal | 4-state postal codes | | | | | |

## Requirements regarding operation

Operation-related non-functional requirements such as reliability, availability, etc.  
In addition, these requirements are used as input into the operational concept and the Service Level Agreement (SLA).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BAfo-12** | **Housekeeping** | | | |
| **Categorization** | **Person in charge** | STK- | **Version** | 1 |
| **Importance** (1-5) | 2 | **Priority** (1-5) | 2 |
| Precondition | No | | | |
| Description | Stored transaction data (data from PDS from BUC-2 and data from Datatransfer from BUC-3) DisCo are of a housekeeping after a certain period (dynamically definable) deleted.  Data storage: All data in DisCo during a configurable time period (Default: 14 days) are stored and erased after this time from housekeeping service. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BAfo-13** | **Filter** | | | |
| **Categorization** | **Person in charge** | STK-2 | **Version** | 1 |
| **Importance** (1-5) | 1 | **Priority** (1-5) | 1 |
| Precondition | No | | | |
| Description | The filter must be able to be adjusted dynamically. | | | |

## Requirements from ISDS concept

List of requirements from the ISDS concept as transport of data, communication partners, etc.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ISAfo-14** | **Communicatzion between CH and VN** | | | |
| **Categorization** | **Person in charge** | STK-22 | **Version** | 1 |
| **Importance** (1-5) | 1 | **Priority** (1-5) | 1 |
| Precondition | The communication between switzerland and Vietnam is installed about swiponet | | | |
| Description | Swiponet is a logical name fort he network „Swiss Post Net“ which is used fort eh communication between Switzerland and Vietnam. This network is guaranteed by different providers (today Swisscom, Open Systems and United Security Providers) and offers no network base services like  DHCP, DNS, NTP etc..  All locations or the respective main location per country are bound on Internet VPN (Open Systems) tot he Swiss Post. Swiponet guarantees the sure transference oft he data oft he foreign societies tot he Swiss Post. | | | |

Tipp: die Nummerierung (1 bis n) der Detailanforderungen kann so automatisch aktualisiert werden:

1. "Ctrl + F2" drücken.
2. Der Druckvorschau schliessen (oder „Esc“ drücken).
3. Die Nummerierung wurde automatisch aktualisiert.

# Reference documents

|  |  |
| --- | --- |
| **Nr** | **Document** |
| 01 | Stakeholderliste:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\STK\_Stakeholderliste.docx](STK_Stakeholderliste.docx) |
| 02 | Adresschecker Anbindung Umsysteme:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\ACH\ACH\_V4\_3\_Anbindung\_Umsysteme.pdf](ACH/ACH_V4_3_Anbindung_Umsysteme.pdf) |
| 03 | Webservice PDS:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\VG\04-Applikationsdokumentation\PDS-VG\PDS\_ParcelInfoService\_V0224.docx](file:///\\Hpcf12\isa_pl_pm$\10_Applikationen\VG\04-Applikationsdokumentation\PDS-VG\PDS_ParcelInfoService_V0224.docx) |
| 04 | Webservice PLDTVG:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\VG\04-Applikationsdokumentation\DT-VG\PLDTVG.wsdl](file:///\\Hpcf12\isa_pl_pm$\10_Applikationen\VG\04-Applikationsdokumentation\DT-VG\PLDTVG.wsdl) |
| 05 | Webservice VAM:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\03-Betriebsdokumentation\VG-DisCo\CaptureResultService.wsdl](file:///\\Hpcf12\isa_pl_pm$\10_Applikationen\DISCO\03-Betriebsdokumentation\VG-DisCo\CaptureRequest.wsdl) |
| 06 | Webservice Adressdaten Padasa:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\PADASA\SD\_Systemdesign\_VG-PADASA\_V0102.docx](PADASA/SD_Systemdesign_VG-PADASA_V0102.docx) |
| 07 | Erfassungsprozess bei SPS Ltd.:  [..\..\01-Anwenderdokumentation\Erfassungsregeln\VAE\_Agreement\_zu\_Erfassungsregeln\_20170530.V3.4.pdf](../../01-Anwenderdokumentation/Erfassungsregeln/VAE_Agreement_zu_Erfassungsregeln_20170530.V3.4.pdf) |
| 08 | AMPplus Schnittstellenbeschreibung:  [\\Hpcf07\postlog$\Projekte\ABA\_Analyse\_Bild\_und\_Adressverarbeitung\M9\_Eliminierung\_VG\03\_Konzept\AMPplus\AMPplus\_SRS\_Schnittstellen\_X02.04.docx](file:///\\Hpcf07\postlog$\Projekte\ABA_Analyse_Bild_und_Adressverarbeitung\M9_Eliminierung_VG\03_Konzept\AMPplus\AMPplus_SRS_Schnittstellen_X02.04.docx) |
| 09 | ZUBOFI Interface description:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\ZUBOFI\SY\_Schnittstelle\_ZUBOFI\_SMT\_V0105.docx](file:///\\Hpcf12\isa_pl_pm$\10_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\ZUBOFI\SY_Schnittstelle_ZUBOFI_SMT_V0105.docx) |
| 10 | ASDP Interface description: |
| 11 | Description Interface SMT-DISCO:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\SMT\SY\_Schnittstelle\_SMT\_DisCo\_V0104.docx](SMT/SY_Schnittstelle_SMT_DisCo_V0104.docx) |
| 12 | Interface description PDS-DISCO:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\07-Release-Changemanagement\Anforderungsdokumentation\PDS\SY\_Schnittstelle\_PDS\_DISCO\_V0102.docx](PDS/SY_Schnittstelle_PDS_DISCO_V0102.docx) |
| 13 | Description interface DPM-DISCO:  \\Hpcf07\postlog$\PostLogistics-Projekte\DISCO Betrieb\Anforderungen\13\_Daten\_DT\_Kontour\SY\_Schnittstelle\_DPM\_DISCO\_X0103\_english.docx |
| 14 | Webreport for parameters:  [\\Hpcf12\isa\_pl\_pm$\10\_Applikationen\DISCO\03-Betriebsdokumentation\SPS\_DISCO\_R2\_Webreport\_Guide\_v1.3.docx](file:///\\Hpcf12\isa_pl_pm$\10_Applikationen\DISCO\03-Betriebsdokumentation\SPS_DISCO_R2_Webreport_Guide_v1.3.docx) |

# Synonyms and abbreviations

Here are just terms and abbreviations are listed that are not yet known and require further additions.

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| **Synonyms/ abbreviations** | **Term (German)** | **English description** |
| ABA | Analyse Bild- und Adressverarbeitung | Analysis Image and Address processing |
| ACH | Adresschecker | Address checker |
| ACS | Automatisches Codiersystem | Automatic coding system |
| AMP | **A**ddress **M**anagement **P**ost (Personenstammdaten) | **A**ddress **M**anagement **P**ost (Master data for persons) |
| ASDP | Allgemeine Stammdaten Post (Verwaltung PLZ und Betriebsstellen) | Generic master data Post (Management of Zip code and operating locations) |
| DMC | DataMatrixCode (2D-Barcode) | DataMatrixCode |
| DPM | Datenprüfungsmodul | Data validation module |
| MCS | Manuelles Codiersystem | Manual Coding System |
| OCR | Optical Character Recognition | Optical Character Recognition |
| PAR | **P**arcel **A**ddress**R**ecognition | Parcel address recognition |
| PLZ | **P**ost**l**eit**z**ahlen (können 4- oder 6-stellig sein) | ZIP code (can be 4 or 6 characters) |
| SMT | **S**ystem**M**anagement**T**ool (Verwaltung Softwarebestände der Paketzentren) | System Management Tool (Management of software versions at parcel centers) |
| VA | **V**olle **A**dresse | Full address |
| VAE | **V**olle **A**dress**e**rfassung | Full address keying |
| VAM | **V**olle **A**ddress **M**anager | Full address manager |
| ZDL | **Z**ustell**d**ienst**l**eistungen | Delivery service |
| ZUBOFI | **Zu**stell**bo**ten**fi**le (Adressstammdaten und Zustellorganisation) | Postal delivery file (Adress Master data and delivery organisation) |

**Änderungskontrolle der Vorlage**

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| **Version** | **Überarbeitung** | **Autor/in** | **Datum** |
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**Genehmigung der Vorlage**

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| --- | --- | --- | --- |
| **Prüfstelle** | **Freigabestelle** | **Datum** | **Visum** |
| Remo Mathieu, PL83  Jérôme Galeuchet, PM81  Martin Rohrer, IT11 |  | 15.10.2014 | gez. Remo Mathieu  gez. Jérôme Galeuchet  gez. Martin Rohrer |
|  | Alex Glanzmann, PL8  Christian Zeller, IT-Post  François Gauthey, PL5 / PM8 | 01.11.2014 | gez. Alex Glanzmann  gez. Christian Zeller  gez. François Gauthey |