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|  | **QA 4** | |  |
|  |  | |  |
|  | **functional specification For Extracting outbound transaction details v 2.0** | |  |
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# program summary

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| Project Identification | | |
| Project Name | CPI/Project Number | Project Type (Business Consulting, Implementation, Upgrade, Internal, other) |
| Pollenware SAP Integration |  | SAP Netweaver integration |
| Customer Name | Customer Number | Planned Start/Finish |
| Pollenware |  |  |
| Project Sponsor (Customer) | Program Director (Customer) | Project Manager (Customer) |
|  |  |  |
| Project Manager (SAP) | SAP Program Manager | SAP Delivery Director |
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| Object Overview | | | | | |
| Object ID |  | Business Process | | Extracting Invoice data | |
| Object Title | SAP\_FICO\_INTF\_01 | | | | |
| Object Description | Extracting outbound transaction details | | | | |
| SAP Release | ECC 6.0 | | SAP Module | | FICO |
| Cycle of Testing |  | | Required Development Completion Date | |  |
| Complexity of Object | Medium | | Program run | | Real-time |
| Type of Program | Interface | | Priority | | High |
| SAP Transaction and Menu Path |  | | Data Volume | |  |
| Similar SAP Transaction |  | | Similar SAP Program | |  |
| FS Control | | | | | |
| Functional Consultant – Author and Phone Number |  | | <Customer> Process Owner and Phone Number | | Peter Thomas |
| Planned Date of FS Completion |  | | Actual Date of FS Completion | |  |
| FS Approved By |  | | FS Approval date | |  |
| Other Contact and Phone Number |  | | Other Contact and Phone Number | |  |

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| Justification |
| The requirement is to extract vendor payments and create a formatted CSV flat file as output. In addition to the payment details, vendor master data and vendor contact details extracted to two different CSV flat files. |

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| Functional Description |
| **Overview:**  Invoice documents are created and posted in SAP for services procured from a vendor for an agreed amount. In some cases, if the vendor gives rebates, a credit memo is created for the vendor with the original invoice as reference. Such transactions made with the vendor are to be captured and the data is to be formatted and saved to a CSV flat file. In addition to the transaction details, master data of the vendor including the address details and details of the contact persons for the vendor need to be extracted and saved to a CSV flat file. The flat files thus obtained are forwarded to Pollenware C2FO interface for further processing.  **Technical Details: Field Mapping**   1. Vendor Master Data  |  |  |  | | --- | --- | --- | | **Sl. No.** | **Field Name** | **SAP Field** | | 1 | Vendor Number | LFA1-LIFNR | | 2 | Vendor Name | LFA1-NAME1 | | 3 | Vendor Address | LFA1-STREET, LFA1-STR\_SUPPL1 | | 4 | City | LFA1-ORT01 | | 5 | State | T005U-BEZEI | | 6 | Postal Code | LFA1-PSTLZ | | 7 | Country | LFA1-LAND1 | | 8 | Group | LFA1-KTOKK | | 9 | Active | LFA1-LOEVM |  1. Vendor Contact Persons Data  |  |  |  | | --- | --- | --- | | **Sl. No.** | **Field Name** | **SAP Field** | | 1 | Vendor Number | KNVK-LIFNR | | 2 | Contact First Name | ADRP-NAME\_FIRST | | 3 | Contact Last Name | ADRP-NAME\_LAST | | 4 | Email Address | ADR6-SMTP\_ADDR | | 5 | State | T005U-BEZEI | | 6 | Contact Number | ADRC-TEL\_NUMBER |  1. Payment Details  |  |  |  | | --- | --- | --- | | **Sl. No.** | **Field Name** | **SAP Field** | | 1 | Vendor Number | BSIK-LIFNR | | 2 | Invoice Reference Number | BSIK-XBLNR | | 3 | Posting Date | BSIK-BUDAT | | 4 | Amount | BSIK-WRBTR | | 5 | Document Date | BSIK-BLDAT | | 6 | Document Number | BSIK-BELNR | | 7 | Payment Method | T042Z-TEXT1 | | 8 | Payment Terms | T052U-TEXT1 | | 9 | Document Text | BSIK-SGTXT | | 10 | Document Type | BSIK-BLART | | 11 | Transaction Status | Determined programmatically | | 12 | Marked for Deletion | LFA1-LOEVM |   **High Level Programming Logic:**   * A selection screen is provided for the extract program to set selection criteria based on Company code, Document number, Vendor number, Posting date, Batch, Payment terms, Parked by and Payment methods. * For the vendor number range supplied as input, fetch the balance by adding balance carry forward to debits and removing credits from table LFC1. Only consider debit position vendors, i.e., vendors who have a positive overall balance. * Check that the vendor is not marked for deletion (LFA1-LOEVM is space) and block key for payment (LFB1-ZAHLS) is space. * Fetch the contents of the fields populated in the payment details file from the table BSIK. Apply the selection criteria on company code, vendor number, document number, posting date, payment terms, clearing document (space), payment block key (space), credit/debit indicator (H). * For the resulting set of documents, select the payment terms description (T052U-TEXT1) and document type description (T003T-LTEXT). * From the invoice document, the corresponding vendor number is picked up and vendor master data is extracted from LFA1. * Based on the vendor’s address number, address details are extracted from tables ADRC and ADR6. * Vendor contact persons are extracted from table KNVK based on the vendor number. * Based on the address number maintained for the vendor contact person, address details are extracted from tables ADRC and ADR6. * Based on the person number maintained for the vendor contact person, communication details are extracted from ADR6 and ADRP.   Transaction Status determination:   * The transaction status is determined based on the baseline date for due date calculation (BSIK-ZFBDT) and cash discount terms (BSIK-ZBD1T). The due date is calculated by adding up the cash discount terms to the baseline date. If the data is extracted before the due date, the transaction status should be “Not Due”, if extracted on same day as the due date “Due” else if extracted on a later date than the due date, the status should be maintained as “Overdue”.   Extract and process log file paths:   * The vendor extract files and log files are written to a path as selected in the C2FO plugin configurator. |

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| Authorization Requirements |
| There are no standard authorization objects available for the payment details extraction process. A custom authorization object shall be developed and a program level check implemented for this object. Definition A custom authorization object is required for providing access to the transaction code for extracting outbound payment details. Only user IDs with this object assigned will be able to execute the transaction and create flat files. Defined Fields Two fields for activity type and transaction code will be attached to the custom authorization object. Procedure A custom authorization object is to be created and two fields for allowed activity types and transaction code are attached. This object is assigned to a role. Users who are required to access this transaction will be assigned this custom role in their authorization profiles. A program level check is implemented to restrict the access only to the authorized users. |

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| Dependencies / Constraints |
| None |

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| Assumptions |
| None |

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| Security Requirements |
| Users executing the extraction process should have the custom authorization role maintained in their profiles. |

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| Assumptions in Functional Design |
| None |

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| Open Issues in Functional Design |
| None |

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| Business Test Conditions (To be furnished by the Functional Consultant) |
| |  |  |  | | --- | --- | --- | | Scenario # | Input Selection Criteria | Expected Result | |  |  |  | |  |  |  | |  |  |  | |

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| Related Documentation (attach OSS notes, emails, download of existing report, etc) |
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# Appendix