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|  | **QA 4** | |  |
|  |  | |  |
|  | **functional specification For Posting inbound payment 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 |  | 28.03.2011 to 13.07.2011 |
| 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 | | Vendor Payment Process | |
| Object Title | SAP\_FICO\_INTF\_02 | | | | |
| Object Description | posting inbound 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 | Nagaraju Chagonda, +91 96524 01564 | | Pollenware Process Owner and Phone Number | | Peter Thomas |
| Planned Date of FS Completion | 11.04.2011 | | 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 post and clear vendor payments from Pollenware award file into SAP system. |

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| Functional Description |
| **Overview:**  Using the payment posting process, a payment entry can be posted to SAP system and cleared with reference to the original invoice document. The transaction details are passed to SAP by Pollenware C2FO interface in the form of a flat file (award file). The data contained in this flat file is read by the interface program and passed to respective screen fields of SAP transaction for posting payment entry.  C2FO plugin also supports modifications to invoice documents. An invoice in SAP is modified with vendor awarded discount percentage and a corresponding discount amount is applied to the invoice amount. The transaction details are passed to SAP by Pollenware C2FO interface in the form of a flat file (award file). The data contained in this flat file is read by the interface program developed and passed to respective screen fields of SAP transaction for modifying an invoice  **Technical Details: Transaction Screen Field Mapping**   1. Payment Posting: Transaction code **F-53**  |  |  |  | | --- | --- | --- | | **Sl. No.** | **Award File Field Name** | **SAP Screen Field** | | 1 | Pollenware vendor ID | Reference | | 2 | Vendor ID | Account | | 3 | Invoice ID | Reference | | 4 | Event ID | Document Header Text | | 5 | Amount | Vendor Line Item Amount | | 6 | Discount Percentage | Discount Line Item Amount | | 7 | New Payment Amount | Bank Line Item Amount | | 8 | Adjusted Payment Date | Document Date | | 9 | Voucher ID | Invoice/Credit memo Document number | | 10 | Transaction Type | Document Type (Internal Identifier) | | 11 | Currency | Currency |   **High Level Programming Logic:**  **F-53 Payment posting:**  **a. Payment to Vendor (Payment Posting)**   * Read the transaction details from the award file passed by the Pollenware Quickpay interface. * Call transaction code F-53 and pass the header data on the initial screen. * Check whether the voucher ID field contains the document number. If the document is found, select the document number radio button in the additional selections and process the payment.      * Pass the document numbers read from the voucher ID column to identify the corresponding invoice and credit memos in SAP created for the vendor account.      * Enter the cash discount amount (calculated from the discount percentage) and post the payment.        * If Voucher ID field is blank (no document number is passed) then the payments need to be processed taking the vendor invoice ID as reference.        * Pass the vendor invoice id to the reference input field as shown.      * Enter the cash discount amount (calculated from the discount percentage) and post the payment.       **FB02 Invoice Modification:**   1. **Invoice Document Modification:**  * Read the buyer voucher ID, buyer supplier ID, discount percentage, original transaction amount and awarded transaction amounts from the award file passed by Pollenware C2FO interface.. * Fetch company code from table LFB1 based on the vendor number in award file. * Calculate cumulative discount amount by adding static discount percentage where applicable to the awarded discount percentage. Based on the cumulative discount percentage calculate the discount amount on invoice base amount. * Update the field ZBD1P with cumulative discount percentage and field ZBD2P with awarded discount percentage. Default the payment terms to 0001 once the update is successful. * Populate the data that needs to be updated to invoice file to a BDC input table. * Using the call-transaction method, pass the invoice details to the change document initial screen of transaction code FB02.      * Pass the cumulative discount percentage, awarded discount percentage and calculated discount amount to change document line item screen.      * Update the Instructions field DTWS1 in line item additional data screen with hardcoded value ‘77’ to indicate that the invoice modified is part of Pollenware transaction. |

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| Authorization Requirements |
| The authorization role for payment posting process transaction code is clubbed with other standard FICO processes. Hence, a custom authorization role needs to be created and assigned to the user profile running the posting process in SAP. Definition A custom authorization role is required for providing access to the transaction code for posting payment details. Only user IDs with this role assigned will be able to execute the transaction. Defined Fields Not Applicable Procedure Standard authorization objects are provided by SAP to access the transaction for posting and clearing payments. These objects are to be assigned to a custom authorization role for restricting access to the transaction. This custom role shall be updated to the user profile of the ID, using which the transactions will be posted to SAP. |

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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