HRWC e-Delivery

Functional Specification - Enhancement
Contract Account Enhancement Specification

Document Reference: **HRWC_ED01_Contract Account Enhancement**
Version: **0.1**
Date Created: **31-AUG-2014**

Document Information

Business Area	
GAP/CR ID	
FS Definition ID/Object ID/WRICEF ID	
SAP Version	
Localization	

Approval and Distribution

Approved by	Name	Role	Signature	Date
Process Team Lead				
Development Team Lead				

Document History

Version	Author	Reason for change	Date
0.1	Adam McCann	Original	29-AUG-2014
0.2	Jai Korpal	Added technical details	29-AUG-2014
1.0	Jai Korpal	Added CR02	24-SEP-2014
1.1	Jai Korpal	Added CR03	07-OCT-2014

Table of Contents

1. General Information

Description	Contract Account Screen Enhancement for e-Post flag and GUID
PDD	N/A
BPH Node	N/A
System	SAP ECC 6.0
Project / Release	1

Priority	☒ High	*Interface is required for go-live*
	☐ Medium	*Either not needed day one or a workaround is possible*
	☐ Low	*Supports "nice to have" functionality*
	☐ Other	*Specify:*

Complexity	☐ Very High	*Refer to complexity estimator*
	☐ High	*Refer to complexity estimator*
	☒ Medium	*Refer to complexity estimator*
	☐ Low	*Refer to complexity estimator*
	☐ Very Low	*Refer to complexity estimator*
	☐ Other	*Specify:*

Enhancement Type (if known, select all that apply)	☐ Batch Program	*Independent batch program*
	☐ Online Program	*Requires an interactive report, custom transaction, web-dynpro, etc.*
	☐ Upload	*Data Upload from a PC, typically Excel or CSV*
	☐ User Exit	*SD/MM User Exit*
	☐ Enhancement	*SMOD/CMOD Project based enhancement*
	☐ BADI	*Business Add-In*
	☒ Enhancement Spot	*Enhancement Spot Framework*
	☐ Routine	*FI Validations/Substitutions, SD Copy Controls, etc.*
	☐ BTE / Open FI	*Business Transaction Event from Open FI*
	☐ Data Dictionary	*Requires Custom Data Dictionary Objects*
	☐ Other/Unknown	*Specify:*

Usage Frequency and Mode	☐ Hourly	*Details:*
	☒ Daily	*Details:*
	☐ Weekly	*Details:*
	☐ Monthly	*Details:*
	☐ Quarterly	*Details:*
	☐ Yearly	*Details:*
	☒ Other Period	*Details* As required manually.

Mode of Execution	☐ On-Line	*Details:*	
	☐ Background	*Details*	
Volume *(per single execution)*	Average Volume:	N/A	
	Peak Volume:	N/A	

2. Business Needs & Requirements

The current phase of the eDelivery project will allow the electronic delivery of billing documents (e.g: Utility Bills for HRWC).

In October 2013, the Canada Post epost service (www.epost.ca) was selected as the electronic mail delivery platform for the eDelivery project. Property Valuation Services Corporation (PVSC) act as technical integrator between mailer organisations (municipalities, utilities and PVSC) and epost.

The local client systems WRP will be integrated with the ePost platform using the eDelivery Data Aggregator interface. The Data Aggregator will act as an Interface hub between the client systems and ePost to exchange the required master data.
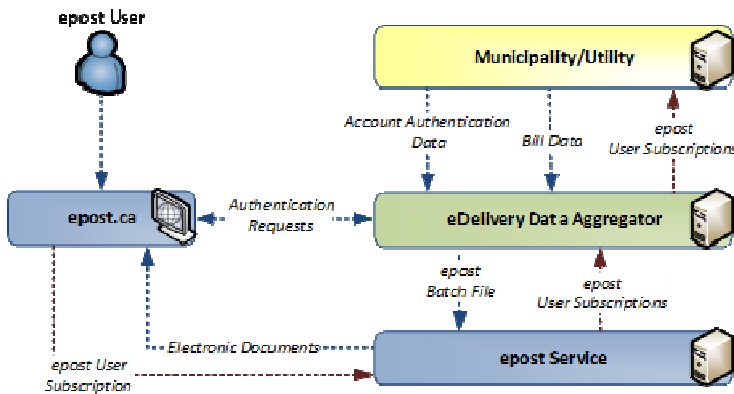
This specification document describes the screen enhancements to the Contract Account transaction. The purpose of these fields are to maintain and facilitate master data for the billing delivery method per Contract Account.

There are two required fields to create,

Field	Type
epost	Single Character Box (Y or N)
epost Guid	36 Character Text Box

These fields will be updated through the epost User Subscription Interface, which are noted in the Technical Details section and detailed in the specification document (HRWC_ED03_User Subscription Interface).

The Bill Data RDI file (Print Workbench Form Z_HRWC_BILL) will be modified to include these fields. This file will be used for the St. Joseph billing file segregation for direct input into epost service in PDF format.

3. Current Functionality

The required field enhancements do not exist. The Bill Data RDI file currently exists, and the modification will just be the content.

Currently, there is an e-Billing flag. This field will not be modified.

4. Desired Functionality

Users should have the ability to manually manipulate the epost flag, but should not be able to adjust epost GUID field (display only). This will only be available to select a "Y" entry and modify to "N".

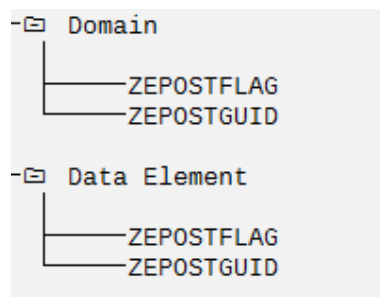If epost flag is set to "N", epost GUID should automatically be blank.

5. Issues

There are no outstanding issues.

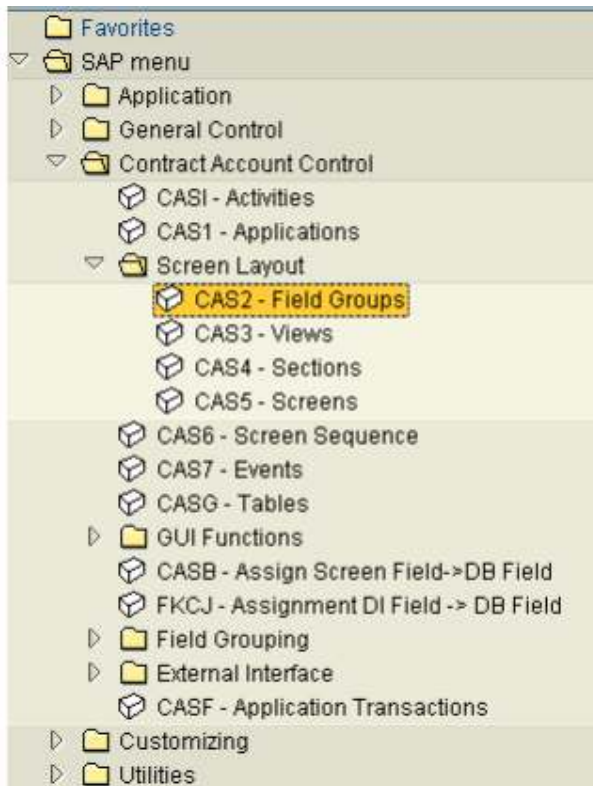| Issue #	Issue owner	Date Raised	Issue Description	Issue Resolution	Resolved By & Date

6. Technical Details

The two fields have been created in table FKKVP via custom includes with corresponding data element and domain.

Structure	CI_FKKVKP		Active				
Short Description	Contract account master customer include						

Attributes | **Components** | **Entry help/check** | **Currency/quantity fields**

1 / 4

Component	Typing Method	Component Type	Data Type	Length	Decim...	Short Description
Z_TBANK	Types	ZTELEBANK	CHAR	1	0	Telebanking indicator
ZZ_EBILL	Types	ZZEBILL	CHAR	1	0	E-Billing Indicator
ZEPOSTFLAG	Types	ZEPOSTFLAG	CHAR	1	0	epostFlag
ZEPOSTGUID	Types	ZEPOSTGUID	CHAR	36	0	epostGUID

These fields have been added to the screens for CAA1/CAA2/CAA3 via configuration in CAWM

```
Favorites
SAP menu
  Application
  General Control
  Contract Account Control
    CASI - Activities
    CAS1 - Applications
    Screen Layout
      CAS2 - Field Groups
      CAS3 - Views
      CAS4 - Sections
      CAS5 - Screens
    CAS6 - Screen Sequence
    CAS7 - Events
    CASG - Tables
    GUI Functions
    CASB - Assign Screen Field->DB Field
    FKCJ - Assignment DI Field -> DB Field
    Field Grouping
    External Interface
    CASF - Application Transactions
  Customizing
  Utilities
```

The epost flag field is editable only if the value is Y and it can be changed to N , at which the flag will blank out . All the coding has been done in function group ZEPOST within the module pool program SAPLZEPOST.

Transport numbers for this development are as follows
WCDK902723   KORPALJ   Project eDelivery - Enhancements for new fields -Config
WCDK902751   KORPALJ   Project eDelivery - AAD & New fields
WCDK902755   KORPALJ   Project eDelivery - AAD & New fields TR2

Also a ISU Print workbench form Z_HRWC_BILL has been modified to include the new fields for flag and GUID. This form is converted into a Bill data RDI file during mass processing of Contract accounts .

For this change , the standard text Z_HRWC_BILL_PAYMENT_METHOD has been modified as shown

Display Standard text: Z_HRWC_BILL_PAYMENT_METHOD Language EN

```
    ....+....1....+....2....+....3....+....4....+....5....+....6....+....7..
*    &wa_cont_acct-ezawe&
*    &wa_cont_acct-z_tbank&
*    &wa_bus_part-partner&
*    &wa_cont_acct-zepostflag&
*    &wa_cont_acct-zepostguid&
*    &final&
*    &anniv&
```
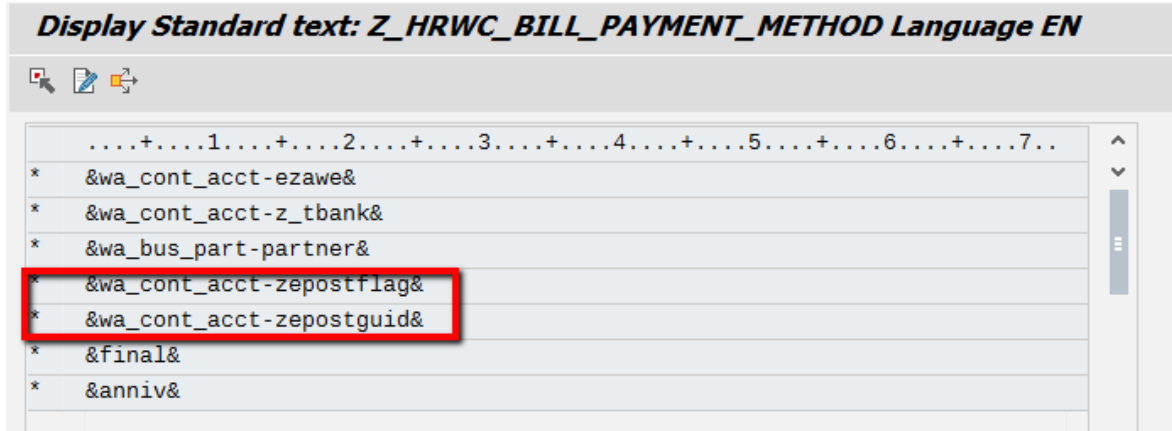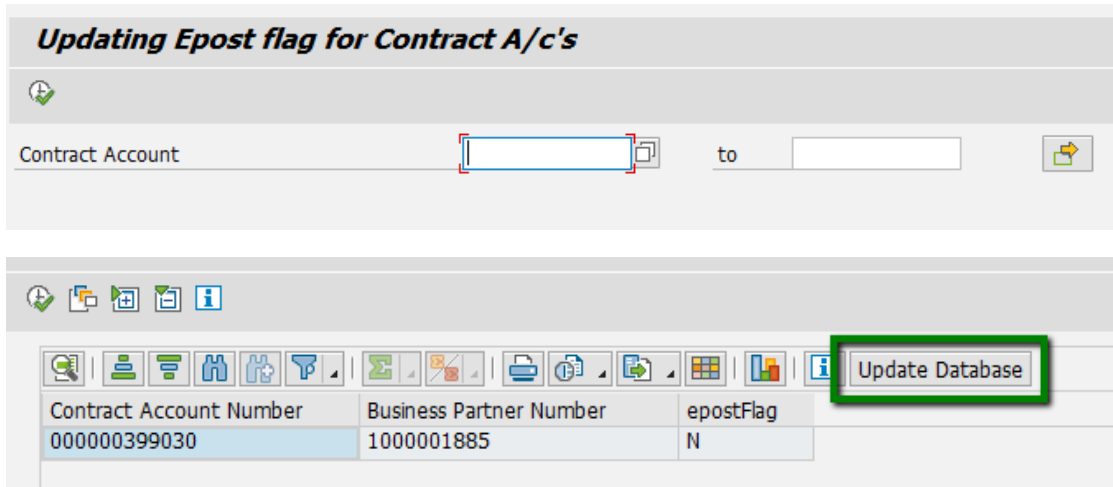
Transport details

WCDK902731   KORPALJ   Project eDelivery - Bill Data File - new fields

---------------------------Changes for CR02---

An adhoc program ZHRWC_EDELIVERY_FLAG_UPDATE (transaction code – ZEPOST_UPDATE_N) has been developed to update the epostFlag in table FKKVKP for the newly created Contract Account that have a blank value for the flag upon creation.

Upon selecting the account number from the selection screen, an interactive ALV list is displayed with UPDATE DATABASE button which saves the flag value to N for all displayed accounts.

Updating Epost flag for Contract A/c's

Contract Account		to		

Contract Account Number	Business Partner Number	epostFlag		Update Database
000000399030	1000001885	N		

Transport Details
WCDK902759   KORPALJ   Project eDelivery - CR02 Changes to epostFlag update program

CR03 – Default the epostFlag to 'N' for new Contract Account creation

Adding the below code to the PAI module for the field CI_FKKVKP-ZEPOSTFLAG in screen 9000 for the function group ZEPOST. This defaults the value of the flag to N for all new account creations .

```
*&---------------------------------------------------------------------*
*&      Module  DEFAULT_VALUE  OUTPUT
*&---------------------------------------------------------------------*
*       text
*----------------------------------------------------------------------*
MODULE default_value OUTPUT.
  IF sy-tcode = 'CAA1'.   "Default the epostFlag to N for new contract account creation
    ci_fkkvkp-zepostflag = 'N'.
    LOOP AT  SCREEN.
      IF screen-name = 'CI_FKKVKP-ZEPOSTFLAG'.
        screen-input = '0'.
        MODIFY SCREEN .
      ENDIF.
    ENDLOOP.
  ENDIF.
ENDMODULE.                 " DEFAULT_VALUE  OUTPUT
```

Transport details

WCDK902786   KORPALJ   Project eDelivery - CR03 - epostFlag to 'N'

7. Data Source consideration

Field name / Description	Table Field Name	Comments / Calculations / Field Manipulations
epost	FKKVKP-ZEPOSTFLAG	Single Character Box (Y or N)
epost Guid	FKKVKP-ZEPOSTGUID	36 Character Text Box

8. Data Validation

There are no data validation requirements.

Table Field Name	Validation Rule

9. Security /Authorization Requirements

Tcode ZEPOST_UPDATE_N is added to the following role

Role	Z:U180_HRWC
Description	IS-U - Water: Data Processing - HRWC

10.   Custom Tables/Structure in SAP

There are no custom tables required for this master data. The master data will be stored in FKKVKP – Contract Account Partner Specific Table.

Table Name	N/A						
Short text							
Table maintenance allowed							
Data class							
Table maintenance generation							
Authorization Group							
Transaction Code(for maintaining data)	Y/N						
Field Name	Data Element	Domain	Type	Length	Check Table-Field	Key Field	Foreign Key	Description
Comments								

11.   Recovery and Restart

The batch job that would update the master data from the Data Aggregator will run on a nighly basis. Errors will be monitored through the SAP error logs and program can be manually re-ran.

12.   Language of texts

The requirement is to have the development and field names for the English log-in language.

13.   Currency and Units of Measure

N/A

14.   SLA/Performance Requirements

N/A

15.   Assumptions and Dependencies

The following assumptions were made:
- When epost Flag is set to No, the GUID field should always be automatically set to blank.

Data

The epost Guid field has a dependency on the epost Flag. When the epost Flag is set to N (No), the epost Guid must be blank. When set to Yes, it must be populated with the Guid number from the Data aggregator. This data exchange will be HRWC_ED0X_eport User Subscription Interface specification.

Configuration

There is no configuration required for these screen enhancements.

Development

HRWC_ED0X_eport User Subscription Interface

16.   Error Handling, Escalation and Notification

Error handling process will be manually monitored. The following will be the common errors expected that impact the updating of the screen enhancement fields.

Error Message Number	Error Message Text (70 characters)	Error Conditions
1.	GUID Error	GUID must be blank (for when ePost Flag
2.		

17.   Testing Scenarios

Normal Functionality - test cases that ensure the enhancement functions as it should.	
ID	Description
1	
2	
Exception - special logic or exceptions (e.g. report should exclude certain specific condition)	
5	
Error Handling - functionality in case of errors (e.g. Error Message or Error Log)	
7	

8	

18.   Additional Information and attachments

N/A