

## HRWC eDelivery

### Functional Specification - Enhancement **eDelivery User Subscription Data File**

**Document Reference:** HRWC\_ED03\_User Subscription Data File  
**Version:** 0.1  
**Date Created:** 31-AUG-2014

## Document Information

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

## Approval and Distribution

<b>Approved by</b>	<b>Name</b>	<b>Role</b>	<b>Signature</b>	<b>Date</b>
Process Team Lead				
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## Document History

<b>Version</b>	<b>Author</b>	<b>Reason for change</b>	<b>Date</b>
0.1	Adam McCann	Original	29-AUG-2014
1.0	Jai Korpai	Added technical details	29-AUG-2014
1.1	Aaron Walsh	Added technical details	29-AUG-2014
1.2			
1.3			

## Table of Contents

1.	GENERAL INFORMATION.....	4
2.	BUSINESS NEEDS & REQUIREMENTS.....	5
3.	CURRENT FUNCTIONALITY .....	6
4.	DESIRED FUNCTIONALITY.....	6
5.	ISSUES.....	6
6.	TECHNICAL DETAILS .....	6
7.	DATA SOURCE CONSIDERATION .....	8
8.	DATA VALIDATION .....	8
9.	SECURITY /AUTHORIZATION REQUIREMENTS.....	9
10.	CUSTOM TABLES/STRUCTURE IN SAP.....	9
11.	RECOVERY AND RESTART .....	9
12.	LANGUAGE OF TEXTS .....	9
13.	CURRENCY AND UNITS OF MEASURE .....	9
14.	SLA/PERFORMANCE REQUIREMENTS.....	10
15.	ASSUMPTIONS AND DEPENDENCIES .....	10
16.	ERROR HANDLING, ESCALATION AND NOTIFICATION.....	10
17.	TESTING SCENARIOS .....	10
18.	ADDITIONAL INFORMATION AND ATTACHMENTS.....	11

# 1. General Information

<b>Description</b>	e-Delivery Account Authentication Data File	
<b>PDD</b>	N/A	
<b>BPH Node</b>	N/A	
<b>System</b>	ECC	
<b>Project / Release</b>	???	
<b>Priority</b>	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Other	Interface is required for go-live Either not needed day one or a workaround is possible Supports "nice to have" functionality Specify: <input type="text"/>
<b>Complexity</b>	<input type="checkbox"/> Very High <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> Very Low <input type="checkbox"/> Other	Refer to complexity estimator Refer to complexity estimator Refer to complexity estimator Refer to complexity estimator Refer to complexity estimator Specify: <input type="text"/>
<b>Enhancement Type</b> (if known, select all that apply)	<input checked="" type="checkbox"/> Batch Program <input type="checkbox"/> Online Program <input type="checkbox"/> Upload <input type="checkbox"/> User Exit <input type="checkbox"/> Enhancement <input type="checkbox"/> BADI <input type="checkbox"/> Enhancement Spot <input type="checkbox"/> Routine <input type="checkbox"/> BTE / Open FI <input type="checkbox"/> Data Dictionary <input type="checkbox"/> Other/Unknown	Independent batch program Requires an interactive report, custom transaction, web-dynpro, etc. Data Upload from a PC, typically Excel or CSV SD/MM User Exit SMOD/CMOD Project based enhancement Business Add-In Enhancement Spot Framework FI Validations/Substitutions, SD Copy Controls, etc. Business Transaction Event from Open FI Requires Custom Data Dictionary Objects Specify: <input type="text"/>
<b>Usage Frequency and Mode</b>	<input type="checkbox"/> Hourly <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Yearly <input checked="" type="checkbox"/> Other Period	Details: <input type="text"/> Details: <input type="text"/> Details: <input type="text"/> Details: <input type="text"/> Details: <input type="text"/> Details: <input type="text"/> Details: <input type="text"/> As required manually

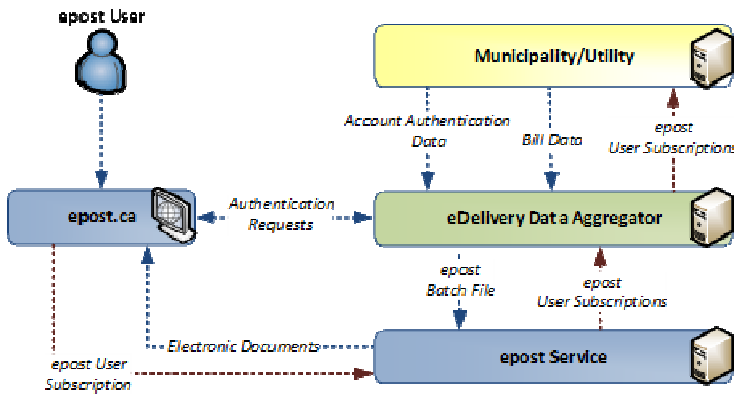
<b>Mode of Execution</b>	<input type="checkbox"/> On-Line	<i>Details:</i>	
	<input checked="" type="checkbox"/> Background	<i>Details:</i>	
<b>Volume (per single execution)</b>	Average Volume:	Variable	
	Peak Volume:	Variable	

## 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](http://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. Below is a diagram of the data flow.



This specification document outlines the epost User Subscription. The purpose of this file is to carry the subscription master data from the epost service through the Data Aggregator and update the contract account master data. The data used for epost services user subscription information are the epost Flag and epost GUID that were designed in HRWC\_ED01\_Contract Account Enhancement. This data is required as it is the driver in the eDelivery solution, as well as the support required for call center inquiries.

This interface will be generated from epost through the data aggregator and run through a daily batch job to upload into SAP.

### 3. Current Functionality

The required interface does not exist.

Currently, the electronic billing option is not available.

### 4. Desired Functionality

The desired functionality of the eDelivery Project is to enable users to sign up for electronic delivery of billing, which is done through a registration through the epost service.

The epost User Subscription interface will contain requests from epost.ca users to add or delete a subscription for electronic delivery of a chosen document type. The interface will be based on a secure file download over sFTP (MOVEit), with data available daily from the eDelivery Data Aggregator.

Interface	File Type	Purpose	Content
<b>epost User Subscriptions</b>	CSV File	Allows stakeholders to track who has subscribed for eDelivery	Local account identifier (e.g. AAN or account number), epost GUID, delivery preference (epost vs. regular mail)

A daily load of the inbound interface is required on a daily basis and will be executed through a batch program.

Accounts should not be restricted, and should include accounts from all countries.

### 5. Issues

There are no outstanding issues.

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

### 6. Technical Details

Please find the identified Technical Requirements from the epost Data Aggregator:

User subscription interface must conform to the following requirements:

<b>File Type</b>	CSV	<b>Text qualifier</b>	"
<b>Encoding</b>	UTF-8	<b>Field delimiter</b>	,
<b>Header row</b>	Yes - required	<b>Empty field</b>	"" or leave empty
<b>Filename</b>	<b>UserSubs_[JurID]_[MailerID]_[PubID]_[SeqNo]_[YYYYMMDD].txt</b> <ul style="list-style-type: none"> <li><i>[JurID] identifies the municipality (e.g. 54 for Halifax)</i></li> </ul>		

	<ul style="list-style-type: none"> <li>• [MailerID] is the eDelivery Mailer ID assigned during user setup in the eDelivery Data Aggregator</li> <li>• [PubID] identifies the epost publication ID assigned by epost</li> <li>• [SeqNo] is a five digit sequence number for batches (e.g. 00001)</li> <li>• [YYYYMMDD] is the file creation date in the format 20140407 (e.g. for 7<sup>th</sup> April 2014)</li> </ul>
Contents	<ul style="list-style-type: none"> <li>• All successful subscriptions/un-subscriptions processed by the Data Aggregator for the previous 24 hour period</li> <li>• If no subscriptions have been processed within the previous 24h period, an empty file will be generated</li> </ul>

1. Get the files on the application server directory /INTERFACES/HRWC/INBOUND/CURRENT using the function module EPS\_GET\_DIRECTORY\_LISTING
2. Extract the information from the file in the format acceptable by SAP and update database table FKKVKP for the contract accounts for the fields ZEPOSTFLAG & ZEPOSTGUID
3. Once an entry of contract account is changed successfully. A contract note for the account using BP (class 0006 , action 0006) is created.

```

* Pass the values to create Bcontact.
lv_con_struct-partner = w_fkkvkv-gpart.
lv_con_struct-class = '0006'. " Class
lv_con_struct-activity = '0006'. " Activity
lv_con_struct-type = ' '. " Type
lv_con_struct-direction = '1'.
lv_con_struct-contact_date = sy-datum.
lv_con_struct-contact_time = sy-uzeit.
lv_con_struct-created_by = sy-uname.
lv_con_struct-text_line = lv_desc.

* The Function Module BAPI_BCONTACT_CREATEFROMDATA is called for
* the creation of Customer Contacts.

CALL FUNCTION 'BAPI_BCONTACT_CREATEFROMDATA'
  EXPORTING
    contactdata = lv_con_struct
  IMPORTING
    return      = ls_return
    contact     = lv_contact.

```

This interface is scheduled daily . Transport details are herewith  
WCDK902733 KORPALJ Project eDelivery - User Subscription File- Inbound

**Basis Technical Specs****SAP Job:**

Generate the User Subscription File using following:

Job: **Z\_USER\_SUB**  
 Run under user: **BATCH\_JOB**  
 Program Name: **ZHRWC\_EDELIVERY\_USER\_SUBSCRIBE**  
 Variant: **RUN\_VARIANT**

Scheduled to run at 8:20am, Monday – Sunday

**WRP Directories:**

Directories created for the inbound User Subscription file are as follows:

Directory for incoming User Subscription File:  
 /abapers/interfaces/hrwc/inbound/current

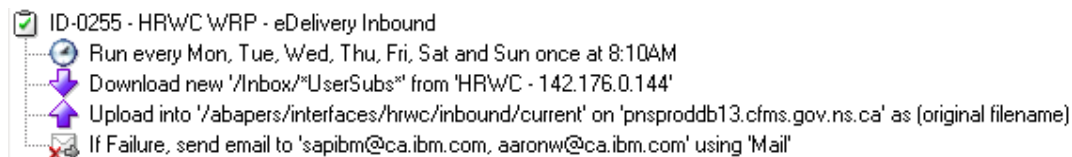
Archive directory which processed User Subscription file is moved to when completed:  
 /abapers/interfaces/hrwc/inbound/archive

**MoveIT Central Job:**

MoveIT Central script is used to SFTP User Subscription file from Data Aggregator to  
 /abapers/interfaces/hrwc/inbound/current.

Job **Z\_USER\_SUB** retrieves the file from the /abapers/interfaces/hrwc/inbound/current directory, processes the file and moves the processed file to the /abapers/interfaces/hrwc/inbound/archive directory.

MoveIt Details:

**7. Data Source consideration**

N/A

**8. Data Validation**

Data validation is not required for the User Subscription due to Master Data being driven from SAP.

Table Field Name	Validation Rule
N/A	N/A



## 9. Security /Authorization Requirements

There are no additional Security or Authorization requirements.

## 10. Custom Tables/Structure in SAP

There are no custom tables required for this file output. It will be stored in standard SAP batch job spools.

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

## 11. Recovery and Restart

This interface file will be generated through batch processing. If it errors, it will be re-loaded the next day.

## 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

### Data

N/A

### Configuration

N/A

### Development

The following WRICEF needs to be complete in order to create the Account Authentication Data file with the correct information for the epost service:

- HRWC\_ED01\_Contract Account Enhancement

## 16. Error Handling, Escalation and Notification

Note that there is a log that provides a list of any issues that occur in the data.

Error Message Number	Error Message Text (70 characters)	Error Conditions
1.		

## 17. Testing Scenarios

Normal Functionality - test cases that ensure the enhancement functions as it should.	
ID	Description
1	
2	
3	
4	
Exception - special logic or exceptions (e.g. report should exclude certain specific condition)	
5	

6	
	Error Handling - functionality in case of errors (e.g. Error Message or Error Log )
7	
8	

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## 18. Additional Information and attachments

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N/A