UHOne GL Re-write Functional Document

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 8/23/2018 | 1.0 | Initial Draft. | Raja Archana P |

# Overview

## Purpose

This document addresses the re-write of the existing GL outbound process.

The following are included in the re-write:

* Receipt records([US1282530](https://loginapirally1.rallydev.com/#/197638610352d/detail/userstory/247877667116))
* Money received(US1306418- TA3691261)
* Refunds and reversals(US1306418- TA3696158)
* Premium income reporting(US1306418-[TA3696172](https://loginapirally1.rallydev.com/#/197638610352d/detail/task/251651826568))
* GL string(US1306418-TA3696179)

GL process: involves the sharing of UHOne GL transactions to PeopleSoft GL for record keeping. Any transaction occurring on Facets for example: billing of a subscriber, refunds, reversals, write offs, manual receipt processing, automated receipt processing transactions which impacts revenue reporting of the organization and accounting are recorded in Facets core table CMC\_BLAC\_BILL\_ACCT.

GL String based on the product is setup in BRC framework for translations provided by Business. UHOne is cash based system so whenever a payment is received from subscriber, only then the cash and premium transactions are reported in General Ledger. Until cash is not received, the premium transactions are not to be reported.

# Assumptions

1. No impacts to the outbound layout after re-write.
2. No impact to Job frequency after the re-write.
3. No impact to Error reporting after re-write. Error report format remains unaffected after the re-write.

# Deployment Considerations

BRCs should also be moved as the deployment is done in upper environments.

# Out of Scope

1. Summary records on the outbound file are out of scope for this re-write.

# Architecture Flow

<http://it500.optum.com/sites/Facets/UHOne/Platform%20Build/Development/Scrum%20Teams/Team_Outliers/FunctionalDocuments/GL%20Re-write/Architectural%20flow.docx>

# Use Case Diagram

Below is the description of the flow:

1. Select only Receipt transactions from Facets (BLAC)

* Pull all receipt transactions for the day where the BLAC.BLAC\_TYPE = R (Receipts)
* If no receipt transactions found for the day then create empty report with header and control record, archive this file and send email notification to business stating the same.

1. Divide the transactions into based on the ACGL\_TYPE and ACGL\_ACTIVITY

* Money received
* Refunds and Reversals (Ach/Credit card/Cash)
* Premium income reporting

1. Pull GL String based on Account number for all the transactions
2. If Account number < 40000 and is not 24520 then set variables as below:

* Location =spaces
* BU =57200
* OU = 02620
* Product =spaces
* Customer =0000070
* IDBDate = spaces
* Dept = spaces

1. If Account number >= 40000 or is 24520 then set variables as below:

* Set Location =retrieved from the xwalk table using first 2 characters of subscriber issue-state (CWTY\_ID = PS\_LOCATION)
* BU =value retrieved from xwalk table based on GRGR\_ID(CWTY\_ID =PS\_BU)
* OU = value retrieved from xwalk table based on CSPI\_ID+PDPD\_ID+ACCT\_CAT (CWTY\_ID=PS\_GLSTRING)
* Product =value retrieved from xwalk table based on CSPI\_ID+PDPD\_ID+ACCT\_CAT(CWTY\_ID=PS\_GLSTRING)
* Customer =value retrieved from xwalk table based on CSPI\_ID+PDPD\_ID+ACCT\_CAT

(CWTY\_ID=PS\_GLSTRING)

* IDBDate = If product is HADC then IDBDate should be the 1st of the month of the GL extract generation.

Else If product is not HADC then If BLBL\_DUE\_DT = 1753-01-01, make IDB-DATE = First of month of BLAC\_CREATE\_DTM Else, IDB-DATE = First of month of BLBL\_DUE\_DTM. Need IDB date to reflect the month the premium is for.

For example, if effective 6/30 and $110 received, $10 applies to June with a 6/1 IDB date and $100 for July with a 7/1 IDB date

* Dept = If acct < 40000 and not 24520 then spaces else Derive from BRC table based on account number - ACAD\_GEN\_LDGR\_NO else spaces(CWTY\_ID = PS\_DEPT)

# Outbound Mapping Document

## Outbound Mapping Document

Existing Mapping Document can be found at below link:

<http://it500.optum.com/sites/Facets/UHOne/Platform%20Build/Development/Scrum%20Teams/Team_Outliers/FunctionalDocuments/GL%20Re-write/GL_Outbound_Extract_Mapping_existing.xlsx>

New mapping document:

## Translation Table

FSG\_INCW\_INSTANCE\_CROSSWALK

CWTY\_ID:PS\_ACCOUNT – existing, added 2 new rows

PS\_PREMACT – newly created

## Extraction Logic

1. Extract all receipt transactions (BLAC\_TYPE=R) for the current day (BLAC\_CREATE\_DTM) from BLAC.
2. Money received(PREMBILL):

BLAC\_TYPE = 'R', ACGL\_TYPE = 'C', ACGL\_ACTIVITY in ( '1', '2', '3', '4', 'A','B','C','D','E')

If debit amount <> 0,

2 rows on the GL extract

* one with (+) BLAC\_DEBIT\_AMT (debit row) assigned to ACAD\_GEN\_LDGR\_NO
* and another with (-) BLAC\_DEBIT\_AMT (credit row) assigned to 23999

If credit amount <> 0,

2 rows on the GL extract

* one with (-) BLAC\_CREDIT\_AMT (credit row) assigned to ACAD\_GEN\_LDGR\_NO
* and another with (+) BLAC\_ CREDIT \_AMT (debit row) assigned to 23999

1. Refunds and Reversals(PREMBILL):

Refunds:

BLAC\_TYPE = 'R', ACGL\_TYPE in ('C'), ACGL\_ACTIVITY in ( 'F')

Refunds can either be one of the following:

* ACH (RCPT\_MCTR\_RSN=EFTR,RCPT\_RCPT\_CD =F)
* Credit card (RCPT\_MCTR\_RSN=CCDR,RCPT\_RCPT\_CD =F)
* Cash (Cheque) (RCPT\_MCTR\_RSN=CCKR,RCPT\_RCPT\_CD =F)

RCPT\_MCTR\_RSN, RCPT\_RCPT\_CD are present in the CMC\_RCPT\_RECEIPTS table.

Join BLAC and RCPT based on BLEI\_CK,RCPT\_ID

If debit amount <> 0,

2 rows on the GL extract

* one with (+) BLAC\_DEBIT\_AMT (debit row) , account number derived from xwalk table

based on RCPT\_MCTR\_RSN and RCPT\_RCPT\_CD. See below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type | CWTY\_ID | INCW\_SOURCE\_VALUE | INCW\_SOURCE\_TYPE | INCW\_TARGET\_VALUE |
| ACH | PS\_ACCOUNT | F|EFTR | RCPT\_RCPT\_CD | RCPT\_MCTR\_RSN | 23559 |
| Credit card | PS\_ACCOUNT | F|CCDR | RCPT\_RCPT\_CD|RCPT\_MCTR\_RSN | 23558 |
| Cash | PS\_ACCOUNT | F|CCKR | RCPT\_RCPT\_CD|RCPT\_MCTR\_RSN | 23556 |

* and another with (-) BLAC\_DEBIT\_AMT (credit row) assigned to 23999

If credit amount <> 0,

2 rows on the GL extract

* one with (-) BLAC\_CREDIT\_AMT (credit row),account number is derived the same way as mentioned above
* and with (+) BLAC\_ CREDIT \_AMT (debit row) assigned to 23999

Reversals:

BLAC\_TYPE = 'R', ACGL\_TYPE in ('C'), ACGL\_ACTIVITY in ( 'S', 'N')

When ACGL\_ACTIVITY =S, follow the way done in Money recieved

1. Premium income reporting(PREMICOM)

BLAC\_TYPE = 'R', ACGL\_TYPE in ('T'), ACGL\_ACTIVITY in ( 'P')

If debit amount <> 0,

2 rows on the GL extract

* one with (+) BLAC\_DEBIT\_AMT (debit row) , account number derived from xwalk table

based on CSPD\_CAT(CMC\_CSPI\_CS\_PLAN.CSPD\_CAT) and BLAC\_YR1\_IND. See below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product category | CWTY\_ID | INCW\_SOURCE\_VALUE | INCW\_SOURCE\_TYPE | INCW\_TARGET\_VALUE |
| Dental | PS\_PREMACT | D| | CSPD\_CAT|BLAC\_YR1\_IND | 40101 |
| PS\_PREMACT | D|Y | CSPD\_CAT|BLAC\_YR1\_IND | 40100 |
| HADC | PS\_PREMACT | Q| | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| PS\_PREMACT | Q|N | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| PS\_PREMACT | Q|Y | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| Healthiest Choice | PS\_PREMACT | U| | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| PS\_PREMACT | U|N | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| PS\_PREMACT | U|Y | CSPD\_CAT|BLAC\_YR1\_IND | 42335 |
| Vision | PS\_PREMACT | V| | CSPD\_CAT|BLAC\_YR1\_IND | 40101 |
| PS\_PREMACT | V|Y | CSPD\_CAT|BLAC\_YR1\_IND | 40100 |

* and another with (-) BLAC\_DEBIT\_AMT (credit row) assigned to 23999

If credit amount <> 0,

2 rows on the GL extract

* one with (-) BLAC\_CREDIT\_AMT (credit row),account number is derived the same way as mentioned above
* and with (+) BLAC\_ CREDIT \_AMT (debit row) assigned to 23999

# Archive daily GL file

A persistent table is needed to store the details of each record reported for a day in GL extract - IDS\_FIN\_PSGL\_HST.

It should provide detail level information on cash, premium.

History for 7 years is needed.

The structure of table will be same as GL extract detail transaction layout.

Search will be done by users on the table on any of the GL file fields.

# Exception Flow

# Error Handling and Reporting

# Job Scheduling

GL extract needs to be generated on all business days. In case of failure on weekdays, the job should generate extract for each day separately whenever it runs next. For corporate holidays and weekends, the GL extract needs to be clubbed and generated on the next run.

**Facets Filename:** GRF\_JRNL9\_YYYYMMDD\_HHMISSSS.txt

**Facets Frequency:** Every business day at night after all process are completed.

PeopleSoft accepts file upto 8:00 PM CST

Facets will be generating the GL extract in midnight so PeopleSoft will receive it the next day.

In case errors generated are not fixed the next day, there is no need to hold job for next day, it can continue

as normal.

Business requires that all inbound payment job for the day should be included in the same day GL report.

# End to End Process Flow <http://wiki.optum.com/display/UHONE/GL+End+to+End+Process+Flow>

# Non Functional Requirements

<http://it500.optum.com/sites/Facets/UHOne/Platform%20Build/Development/Scrum%20Teams/Team_Outliers/FunctionalDocuments/GL%20Re-write/NFR_GL.xlsx>

# Open Issues

* Reversals: When ACGL\_ACTIVITY in ('N'), business would get back on how to derive the account number for this.
* Premium income reporting: Business would let us know if the current logic for Dental gen3 products holds good.

# Q&A by Sticky Team

|  |  |  |
| --- | --- | --- |
| Sno | Description | Status |
|  |  |  |

# Appendix

## Definitions

|  |  |
| --- | --- |
|  |  |
| HADC | Health Allies Discount Card |

1. Sample GL file from prod:

<http://it500.optum.com/sites/Facets/UHOne/Platform%20Build/Development/Scrum%20Teams/Team_Outliers/FunctionalDocuments/GL%20Re-write/GRF_JRNL9_20180824_23002100_fromprod.backup>