

APOLLO

Batch Migration – Financial Activity Reconciliation Requirements

Rev 1.0

Contents

1. Version Control 3

2. Project Team/Approver Distribution List 4

3. Glossary 5

4. Project Overview 6

5. Functionals Requirements 7

5.1. Scope 7

a) Close API 7

5.2. Assumptions 7

5.3. Dependencies 7

5.4. Recon Criteria 7

5.5. Exit Criteria 7

6. Technical Requirements 8

6.1. Close API 8

7. Testing strategy 9

8. Exit Criteria 10

9. Rollback 11

# Version Control

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| --- | --- | --- | --- |
| **VERSION NUMBER** | **DATE** | **MODIFIED BY** | **CHANGES MADE** |
| 1.0 | 11/26/2019 | Cassi Mathis | Initial Version |
|  |  |  |  |
|  |  |  |  |

# Project Team/Approver Distribution List

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| --- | --- | --- |
| **NAME** | **TITLE** | **ROLE (A,R)** |
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*Role Options: A – Approver; R – Reviewer*

# Glossary

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| --- | --- |
| **Glossary *Owner: Business Architect*** | |
| **Term** | **Definition** |
| **EIP** | Enterprise Installment Program |
| **OFSSL** | Oracle Financial Service Secured Loan |
| **LPA** | Loan Promotion Award Engine |

# Project Overview

During the migration process, LPA and OFSLL systems are required to create financial records for the migrated data they load to note the opening of the balances after migration. During the close process, EIP will create financial records to close the migrated balances. The opening and closing of the balances must match between the systems. This document defines the requirement to perform the FAT reconciliation between EIP to LPA for promotion migrations and from EIP to OFSLL for the equipment migrations.

Process Flow:

1. Perform LPA Migration
2. Perform OFSLL Migration
3. Complete GOLD stage
4. Perform LPA Rollback as needed
5. Perform OFSLL Rollback as needed
6. Pull FAT source data
7. Perform Reconciliation
8. Store results
9. Display recon output on Migration Dashboard

# Functionals Requirements

## Scope

### Data Sources to pull

#### LPA: LOAN\_AWARD\_FINANCIAL\_ACTIVITY

* + 1. LPA stores the opening FAT entries in the LOAN\_AWARD\_FINANCIAL\_ACTIVITY table using the activity\_description = 'Migration Reopen-P' record types
    2. LPA provides the Deferred interest value in the LPA API response stored in the Promotion Reconciliation data: PROMO\_AUDIT\_DETAIL\_VIEW.IMPUTED\_INTEREST\_UNEARNED

#### OFSLL: FINANCIAL\_ACTIVITY\_TMO

* + 1. OFSLL stores the opening FAT entries in the FINANCIAL\_ACTIVITY\_TMO table using the fat\_activity\_description = 'Migration Reopen'

#### EIP: FINANCIAL\_ACTIVITY

* + 1. EIP stores the closing FAT entries for equipment data in the FINANCIAL\_ACTIVITY table using the activity\_description = 'Migration Complete'
    2. EIP stores the closing deferred interest FAT entries for equipment data in the FINANCIAL\_ACTIVITY table using the activity\_description = 'Conversion-DI-Offset'
    3. EIP stores the closing FAT entries for promotion data in the FINANCIAL\_ACTIVITY table using the activity\_description = 'Migration Complete-P'
    4. EIP stores the closing deferred interest FAT entries for promotion data in the FINANCIAL\_ACTIVITY table using the activity\_description = 'Conversion-DI-Offset-P'

#### EIP: Core Data

* + 1. EIP stores the migration balances and unearned interest for equipment data in the EIP\_EQUIPMENT table
    2. EIP stores the migration balances for promotion data in the EQUIPMENT\_PROMOTION\_REPORTING
    3. EIP stores the unearned interest for promotion data in the FINANCIAL\_ACTIVITY table where activity\_description like ‘%-P’ prior to the batch migration close process

#### EMMT: Close Data

* + 1. EMMT stores the records that will be closed in EIP in the CLOSE\_DRIVER table. Records from the close driver will be used to find the records eligible for reconciliation

### Reconciliation Fields

The following fields will be reconciled between EIP and LPA/OFSLL using the data sources from each system and comparing the values. The reconciliation will compare the fields based on the Recon Rules listed for each field in the data mapping spreadsheet.



### Reconciliation Scenarios

Not all records will be part of reconciliation. The following chart shows which items will be included in the recon. For all records in CLOSE\_DRIVER, pull records that match the following rules for reconciliation:

* + - 1. OFSLL – Only records in the following status from the CLOSE\_DRIVER table will be part of the reconciliation - ('Active', 'Active-Shipped', 'Active-Additional-Payment-Applied','Active-Shipped-Additional-Payment-Applied', 'JUMP-Return-Pending')
      2. LPA:

If loan status like ‘Active%’ and Promotion Active = ‘Y’

If loan status like ‘%Close%’ and Promotion Active = ‘Y’ and Remaining\_balance <> 0

* + - 1. DI Offset – if the offset is $0, no FAT rows will be created

\*\*OFSLL Scenarios:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| COUNT(DISTINCTF.LOAN\_ID) | EQUIPMENT STATUS | REMAINING\_BALANCE | DI\_OFFSET | IN\_OFSLL\_FAT | Migration Notes | Action Needed from Accounting Team |
| 5 | Active | N | Y | Y | If equipment status = any Active+Jump Return Pending, migration process will insert Migration Complete records into the EIP FAT table.  These 5 records with no balance but DI offset did not close out in the FAT table correctly in the past and is mismatched with the DI posted on the equipment | Will be part of recon |
| 6198478 | Active | Y | Y | Y |
| 20383 | Active | N | N | Y |
| 704020 | Active | Y | N | Y |
| 6391 | Closed/Pending | Y | N | Y | If equipment status = any Closed or Pending, migration process will **NOT** insert Migration Complete records into the EIP FAT table. OFSLL inserts a FAT record for every record regardless of status so there will be FAT entries for Closed and Pending.  Result: there will be no close entries in EIP and an open entry in OFSLL. | Will not be part of recon - OFSLL to not create FAT for closed or pending |
| 213603 | Closed/Pending | N | N | Y |
| 18589 | Closed/Pending | Y | Y | Y |

\*\*LPA Scenarios

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| COUNT(DISTINCTF.LOAN\_ID) | EQUIPMENT STATUS | ACTIVE | REMAINING\_CREDIT | DI\_OFFSET | IN\_LPA\_FAT | Migration Notes | Action Needed from Accounting Team |
| 47115 | Active | N | Y | N | N | If equipment status = any Active, migration process will insert Migration Complete - P records into the EIP FAT table. If promo active = N, LPA system does not insert any records into the LPA FAT table.  Result: there will be close entries in EIP with no open entries in LPA to note that a migration has occurred in EIP. Inactive promos were migrated as part of the LPA rules to support eligibility checks and reversals but are not active financial records. We think this is accurate and no issues. | Not part of recon |
| 9 | Active | N | Y | Y | N |
| 164177 | Active | Y | Y | N | Y | Current BAU process. Recon will be done for this category | Will be part of Recon |
| 568261 | Active | Y | Y | Y | Y |
| 124 | Closed | N | N | N | N | If equipment status = any Closed, migration process will **NOT** insert Migration Complete - P records into the EIP FAT table. If promo active = N, LPA system does not insert any records into the LPA FAT table. If promo active = Y but remaining credit =0, then LPA system does not insert any records into the LPA FAT table.  Result: there will be no close entries in either the EIP nor the LPA system. We think this is accurate and no issues. | Not part of recon |
| 25470 | Closed | N | Y | N | N |
| 3 | Closed | N | Y | Y | N |
| 7 | Closed | Y | N | N | N |
| 18 | Closed | Y | N | Y | N |
| 17 | Closed | Y | Y | N | Y | If equipment status = any Closed, migration process will insert Migration Complete - P records into the EIP FAT table. If promo active = Y and remaining credit <> 0, LPA system inserts records into the LPA FAT table.  Result: there will be close entries in EIP and open records in the LPA system. | Will be part of Recon |
| 20551 | Closed | Y | Y | Y | Y |

### Reconciliation Results

The results of the reconciliation need to be stored in the database for viewing and auditing purposes. The output will be displayed as follows on the Migration Dashboard. The values come from the OFSLL and LPA Recon Summary tables detailed in the next section.

\*\*For LPA: Items listed as N/A will not have any values.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SOURCE\_TYPE** | **EIP CORE(1)** | **EIP FAT(2)** | **LPA FAT(3)** | **DIFF(1) - DIFF(2)** | **DIFF(2) - DIFF(3)** | **% DIFF (2-3)** |
| ACTIVITY\_DESCRIPTION | Migration Complete-P | Migration Complete-P | Migration Reopen-P |  |  |  |
| LOAN\_ID | 972469 | 972469 | 972469 | 0 | 0 | 0.0000% |
| FINANCE\_TYPE | 1 | 1 | 1 | 0 | 0 | 0.0000% |
| PLAN\_AMT | $ 166,156,487 | $ 166,156,487 | $ (166,156,487) | $ - | $ - | 0.0000% |
| PRINCIPAL\_PRT\_OF\_PLAN\_AMT | $ 155,035,234 | $ 155,035,234 | $ (155,035,234) | $ 0.12 | $ (0.12) | 0.0000% |
| IMPUTED\_INTEREST\_OF\_PLAN\_AMT | $ 11,121,253 | $ 11,121,253 | $ (11,121,253) | $ (0.12) | $ 0.12 | 0.0000% |
| BALANCE\_ACTIVITY | $ 166,156,487 | $ 166,156,487 | $ (166,156,487) | $ - | $ - | 0.0000% |
| PRINCIPAL\_BALANCE | $ 155,035,234 | $ 155,035,234 | $ (155,035,234) | $ 0.12 | $ (0.12) | 0.0000% |
| DEF\_INTEREST\_INCOME\_BALANCE | $ 11,121,253 | $ 11,121,253 | $ (11,121,253) | $ (0.12) | $ 0.12 | 0.0000% |
| BAL\_ACTVY\_AMT\_RESIDUAL | $ - |  | $ - | $ - | $ - | N/A |
| BAL\_ACTVY\_AMT\_DEVICE | $ - | $ - | $ - | $ - | $ - | N/A |
| ECLB\_TAX\_AMOUNT | $ - | $ - | $ - | $ - | $ - | N/A |
| RESIDUAL\_TAX\_AMOUNT | $ - | $ - | $ - | $ - | $ - | N/A |
| DI | $ (4,186,998) | $ (9,687,140) | $ (11,121,253) | $ 5,500,142.26 | $ 1,434,112.08 | 14.8043% |
| DI\_OFFSET | $ (6,934,254) | $ (6,589,758) | $ - | $ (344,496.83) | $ (5,155,645.43) | 78.2373% |

\*\*For OFSLL: All fields will contain data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SOURCE\_TYPE** | **EIP CORE(1)** | **EIP FAT(2)** | **OFSLL FAT(3)** | **DIFF(1) - DIFF(2)** | **DIFF(2) - DIFF(3)** | **% DIFF (2-3)** |
| ACTIVITY\_DESCRIPTION | Migration Complete | Migration Complete | Migration Reopen |  |  |  |
| LOAN\_ID | 11607551 | 11607551 | 11607551 | 0 | 0 | 0.0000% |
| FINANCE\_TYPE | 3 | 3 | 3 | 0 | 0 | 0.0000% |
| PLAN\_AMT | $ (1,677,328,321) | $ (1,677,328,321) | $ 1,677,328,321 | $ - | $ - | 0.0000% |
| PRINCIPAL\_PRT\_OF\_PLAN\_AMT | $ (1,573,989,231) | $ (1,573,989,231) | $ 1,573,989,231 | $ - | $ - | 0.0000% |
| IMPUTED\_INTEREST\_OF\_PLAN\_AMT | $ (103,339,090) | $ (103,339,090) | $ 103,339,090 | $ - | $ - | 0.0000% |
| BALANCE\_ACTIVITY | $ (1,677,328,321) | $ (1,677,328,321) | $ 1,677,328,321 | $ - | $ - | 0.0000% |
| PRINCIPAL\_BALANCE | $ (1,573,989,231) | $ (1,573,989,231) | $ 1,573,989,231 | $ - | $ - | 0.0000% |
| DEF\_INTEREST\_INCOME\_BALANCE | $ (103,339,090) | $ (103,339,090) | $ 103,339,090 | $ - | $ - | 0.0000% |
| BAL\_ACTVY\_AMT\_RESIDUAL | $ (61,031,019) | $ (61,031,019) | $ 61,031,019 | $ - | $ - | 0.0000% |
| BAL\_ACTVY\_AMT\_DEVICE | $ (102,403,166) | $ (102,403,166) | $ 102,403,166 | $ - | $ - | 0.0000% |
| ECLB\_TAX\_AMOUNT | $ (7,804,197) | $ (7,804,197) | $ 7,804,197 | $ - | $ - | 0.0000% |
| RESIDUAL\_TAX\_AMOUNT | $ (57) | $ (57) | $ 57 | $ - | $ - | 0.0000% |
| DI | $ 98,074,692 | $ 98,075,782 | $ 103,339,090 | $ (1,090) | $ (5,263,308) | 5.3666% |
| DI\_OFFSET | $ 5,264,398 | $ 5,264,398 | $ - | $ - | $ 1,090 | 0.0207% |

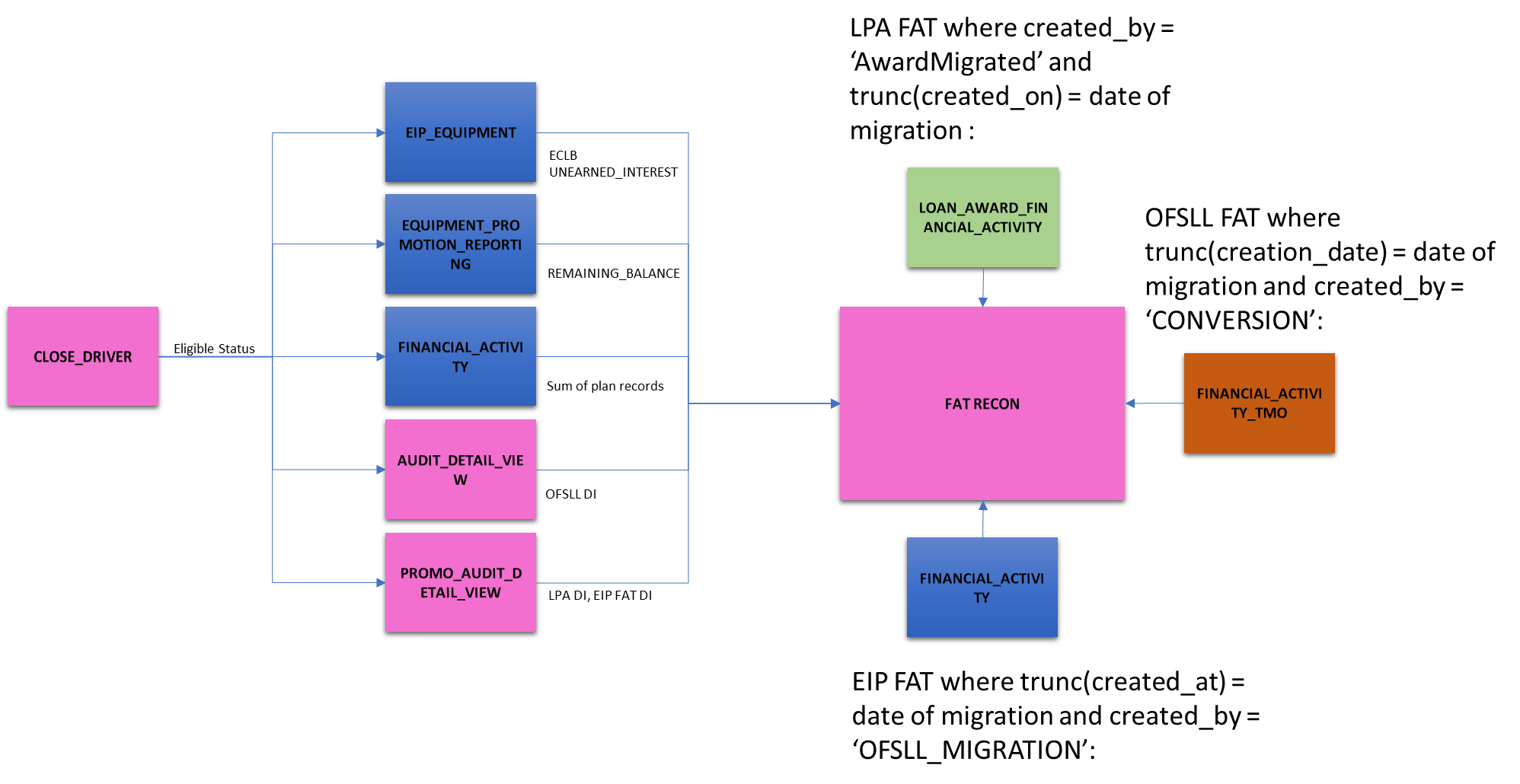
## Exit Criteria

The recon results should have the %DIFF within FINCO Team’s variance tolerance defined prior to the start of the migration.

* Differences will occur between EIP Core and EIP FAT for equipment if there are differences in historical FAT records compared to the unearned interested stored on the EIP\_EQUIPMENT table
* Reconciliation will occur for the scenarios listed only. There are cases where EIP will close records for auditing purposes that do not have a corresponding value in the newly migrated system.

# Technical Requirements

## Data Flow



## Pseudo Code

### Create OFSLL Recon Detail Table

create table fat\_ofsll\_recon as

select 'EIP CORE' as source\_type

,'Migration Complete' as activity\_description

, pre\_migration\_status as status

, id as loan\_id

, ee\_FINANCE\_TYPE as finance\_type

, -1\*nvl(eclb,0) as PLAN\_AMT

, -1\*nvl(eclb,0) - (NVL(di.IMPUTED\_INTEREST\_UNEARNED,0) \* -1) as PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,NVL(di.IMPUTED\_INTEREST\_UNEARNED,0) \* -1 as IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, -1\*nvl(eclb,0) as BALANCE\_ACTIVITY

, (-1\*nvl(eclb,0)) - (NVL(di.IMPUTED\_INTEREST\_UNEARNED,0) \* -1) as PRINCIPAL\_BALANCE

, NVL(di.IMPUTED\_INTEREST\_UNEARNED,0) \* -1 as DEF\_INTEREST\_INCOME\_BALANCE

,nvl(residual,0)\*-1 as BAL\_ACTVY\_AMT\_RESIDUAL

,case when finance\_type = 'LEOP' then nvl(eclb,0)\*-1 ELSE 0 END as BAL\_ACTVY\_AMT\_DEVICE

,case when finance\_type = 'LEOP' then nvl(eclb\_tax,0)\*-1 ELSE 0 END as ECLB\_TAX\_AMOUNT

,case when finance\_type = 'LEOP' then nvl(residual\_tax,0)\*-1 ELSE 0 END as RESIDUAL\_TAX\_AMOUNT

, ee\_unearned\_interest as UNEARNED\_INTEREST

,((nvl(di.IMPUTED\_INTEREST\_UNEARNED,0)) - nvl(unearned\_interest,0)) as DI\_OFFSET

FROM EIP\_EQUIPMENT el left join ofsll\_di di (create table ofsll\_di as select loan\_id, IMPUTED\_INTEREST\_UNEARNED, tmo\_loan\_status from emmt\_bb.AUDIT\_DETAIL\_VIEW@static\_emmt pv where consumer\_name = 'OFSLL'

and batch\_id = 220

and tmo\_loan\_status in ('Active', 'Active-Shipped', 'Active-Additional-Payment-Applied','Active-Shipped-Additional-Payment-Applied', 'JUMP-Return-Pending')

and exists (select 1 from close\_driver cd where cd.eid = pv.LOAN\_ID)) on di.loan\_id = el.ee\_id

and pre\_migration\_status in ('Active', 'Active-Shipped', 'Active-Additional-Payment-Applied','Active-Shipped-Additional-Payment-Applied', 'JUMP-Return-Pending')

and exists (select 1 from close\_driver cd where cd.eid = pv.LOAN\_ID)

union

select

'OFSLL FAT' as source\_type

,fat\_activity\_description

,null as status

,to\_number(fat\_eip\_equipment\_id)

,fat\_finance\_type

,fat\_plan\_amt

,fat\_principal\_prt\_of\_plan\_amt

,fat\_imputed\_int\_of\_plan\_amt

,fat\_balance\_activity

,fat\_principal\_balance

,fat\_def\_interest\_income\_bal

,fat\_bal\_actvy\_amt\_residual

,fat\_bal\_actvy\_amt\_device

,fat\_unbilled\_tax

,fat\_residual\_tax

,fat\_def\_interest\_income\_bal

,0

from ofsll\_di el, FINANCIAL\_ACTIVITY\_TMO ol

where fat\_activity\_description = 'Migration Reopen'

and el.loan\_id = fat\_eip\_equipment\_id

and trunc(creation\_date) = <date of migration> and created\_by = ‘CONVERSION’

union

select

'EIP FAT' as source\_type

,fa.activity\_description

,pre\_migration\_status as status

,fa.eip\_equipment\_id

,fa.FINANCE\_TYPE

,fa.PLAN\_AMT

,fa.PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,fa.IMPUTED\_INTEREST\_OF\_PLAN\_AMT

,fa.BALANCE\_ACTIVITY

,fa.PRINCIPAL\_BALANCE

,fa.DEF\_INTEREST\_INCOME\_BALANCE

,fa.BAL\_ACTVY\_AMT\_RESIDUAL

,fa.BAL\_ACTVY\_AMT\_DEVICE

,fa.ECLB\_TAX\_AMOUNT

,fa.RESIDUAL\_TAX\_AMOUNT

,(select sum(def\_interest\_income\_balance) from eip\_adm.financial\_activity ff where ff.eip\_equipment\_id = fa.eip\_equipment\_id and

ACTIVITY\_DESCRIPTION not in ('Conversion-DI-Offset', 'Migration Complete')

and lower(ACTIVITY\_DESCRIPTION) not like '%-p%') as UNEARNED\_INTEREST

,nvl(fa2.DEF\_INTEREST\_INCOME\_BALANCE,0) as DI\_OFFSET

from eip\_adm.eip\_equipment ee, eip\_adm.financial\_activity fa

left join eip\_adm.financial\_activity fa2 on FA2.ACTIVITY\_DESCRIPTION = 'Conversion-DI-Offset' and fa.eip\_equipment\_id = fa2.eip\_equipment\_id

where fa.activity\_description = 'Migration Complete'

and ee.id = fa.eip\_equipment\_id

and ee.pre\_migration\_status in ('Active', 'Active-Shipped', 'Active-Additional-Payment-Applied','Active-Shipped-Additional-Payment-Applied', 'JUMP-Return-Pending')

### Create LPA Recon Detail Table

create table FAT\_PROMO\_RECON AS

select 'EIP CORE' as source\_type

, 'Migration Complete-P' as activity\_description

,pre\_migration\_status as status

,el.ee\_active

, ee\_id as loan\_id

, ee\_FINANCE\_TYPE as finance\_type

,EL.REMAINING\_BALANCE as PLAN\_AMT

, nvl(EL.REMAINING\_BALANCE,0) + NVL(mig2.IMPUTED\_INTEREST\_UNEARNED,0) as PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,-1\*NVL(mig2.IMPUTED\_INTEREST\_UNEARNED,0) as IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, nvl(EL.REMAINING\_BALANCE,0) as BALANCE\_ACTIVITY

, nvl(EL.REMAINING\_BALANCE,0) + NVL(mig2.IMPUTED\_INTEREST\_UNEARNED,0) as PRINCIPAL\_BALANCE

, -1\*NVL(mig2.IMPUTED\_INTEREST\_UNEARNED,0) as DEF\_INTEREST\_INCOME\_BALANCE

,0 as BAL\_ACTVY\_AMT\_RESIDUAL

,case when ee\_finance\_type = 'LEOP' then nvl(ee\_eclb,0)\*-1 ELSE 0 END as BAL\_ACTVY\_AMT\_DEVICE

,0 as ECLB\_TAX\_AMOUNT

,0 as RESIDUAL\_TAX\_AMOUNT

,nvl(mig.IMPUTED\_INTEREST\_UNEARNED,0) AS UNEARNED\_INTEREST

,-1\*(-1\*(nvl(mig2.IMPUTED\_INTEREST\_UNEARNED,0)) + nvl(mig.IMPUTED\_INTEREST\_UNEARNED,0)) as DI\_OFFSET

FROM eligible\_promo\_Fat el (create table eligible\_promo\_fat as select el.\* from eligible\_promo el, (select max(ep.award\_id) as award\_id, ep.ee\_id from eligible\_promo ep

where ep.promo\_type = 'MAIN\_LOAN' group by ee\_id) d1

where el.active = 'Y'

and el.promo\_type = 'MAIN\_LOAN'

and d1.award\_id = el.award\_id

and d1.ee\_id = el.ee\_id), mig\_promo\_compare mig ((create table mig\_promo\_compare as select \* from emmt\_bb.PROMO\_AUDIT\_DETAIL\_VIEW@static\_emmt pv

where pv.batch\_id = 220

and exists (select 1 from close\_driver cd where cd.eid = pv.award\_id))), mig\_promo\_compare mig2

where mig.award\_id = el.ee\_id

and mig.consumer\_name = 'EIP'

and mig.award\_id = mig2.award\_id

and mig2.consumer\_name = 'PROMO\_RECON'

union

select 'LPA FAT' as source\_type

, lp.activity\_description

,lp.agreement\_status as status

,DECODE(activity\_description, NULL, 'N', 'Y') as active

,loan\_id as loan\_id

,lp.FINANCE\_TYPE as finance\_type

,nvl(LP.AWARD\_AMOUNT,0) as PLAN\_AMT

,NVL(LP.PRINCIPAL\_PART\_AWARD\_AMOUNT,0) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,nvl(lp.interest\_part\_award\_amount, 0) as IMPUTED\_INTEREST\_OF\_PLAN\_AMT

,nvl(lp.balance\_activity, 0) as BALANCE\_ACTIVITY

,nvl(lp.principal\_part\_balance\_activity, 0) as PRINCIPAL\_BALANCE

,NVL(lp.INTEREST\_PART\_BALANCE\_ACTIVITY,0) as DEF\_INTEREST\_INCOME\_BALANCE

,NVL(LP.BAL\_ACTVY\_AMT\_RESIDUAL,0) as BAL\_ACTVY\_AMT\_RESIDUAL

,NVL(lp.BAL\_ACTVY\_AMT\_DEVICE,0) as BAL\_ACTVY\_AMT\_DEVICE

,NVL(LP.ECLB\_TAX\_AMOUNT,0) as ECLB\_TAX\_AMOUNT

,NVL(LP.RESIDUAL\_tAX\_AMOUNT,0) as RESIDUAL\_TAX\_AMOUNT

,NVL(lp.INTEREST\_PART\_BALANCE\_ACT,0) AS UNEARNED\_INTEREST

,0 as DI\_OFFSET

FROM lpa\_fat lp (create table lpa\_fat parallel compress as select \* from LOAN\_AWARD\_FINANCIAL\_ACTIVITY@NFS\_PROMO

where created\_by = 'AwardMigrated' and trunc(created\_on) = <migrate date>) join mig\_promo\_compare mig

on lp.loan\_id = MIG.AWARD\_ID and mig.consumer\_name = 'EIP'

where lp.activity\_description = 'Migration Reopen-P'

union

select

'EIP FAT' as source\_type

,fa.activity\_description

,el.ee\_status as status

,el.active as active

,fa.eip\_equipment\_id

,fa.FINANCE\_TYPE

,fa.PLAN\_AMT

,fa.PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,fa.IMPUTED\_INTEREST\_OF\_PLAN\_AMT

,fa.BALANCE\_ACTIVITY

,fa.PRINCIPAL\_BALANCE

,fa.DEF\_INTEREST\_INCOME\_BALANCE

,fa.BAL\_ACTVY\_AMT\_RESIDUAL

,fa.BAL\_ACTVY\_AMT\_DEVICE

,fa.ECLB\_TAX\_AMOUNT

,fa.RESIDUAL\_TAX\_AMOUNT

,(select sum(def\_interest\_income\_balance) from eip\_adm.financial\_activity ff where ff.eip\_equipment\_id = fa.eip\_equipment\_id and

ACTIVITY\_DESCRIPTION not in ('Conversion-DI-Offset-P', 'Migration Complete-P')

and lower(ACTIVITY\_DESCRIPTION) like '%-p%') as UNEARNED\_INTEREST

,nvl(fa2.DEF\_INTEREST\_INCOME\_BALANCE,0) as DI\_OFFSET

from eligible\_promo\_Fat el,

eip\_adm.financial\_activity fa

left join eip\_adm.financial\_activity fa2 on FA2.ACTIVITY\_DESCRIPTION = 'Conversion-DI-Offset-P'

and fa.eip\_equipment\_id = fa2.eip\_equipment\_id

where fa.activity\_description = 'Migration Complete-P'

and el.ee\_id = fa.eip\_equipment\_id

### Create OFSLL Recon Summary Table

SELECT source\_type

,activity\_description

, count(loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM fat\_ofsll\_recon F

WHERE f.source\_type = 'EIP CORE'

group by source\_type, activity\_description

UNION

SELECT source\_type

,activity\_description

, count(f.loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM fat\_ofsll\_recon F

WHERE f.source\_type = 'OFSLL FAT'

group by source\_type, activity\_description

UNION

SELECT source\_type

,activity\_description

, count(loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM fat\_ofsll\_recon F

WHERE f.source\_type = 'EIP FAT'

group by source\_type, activity\_description

### Create LPA Recon Summary Table

SELECT source\_type

,activity\_description

, count(loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM FAT\_PROMO\_RECON F, close\_driver cd

WHERE f.source\_type = 'EIP CORE'

AND ((f.status NOT like '%Close%'

and f.active = 'Y') or (f.status like '%Close%' and f.active = 'Y' and f.PLAN\_AMT <> 0))

and cd.eid = f.loan\_id

group by source\_type, activity\_description

UNION

SELECT source\_type

,activity\_description

, count(loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM FAT\_PROMO\_RECON F , close\_driver cd

WHERE f.source\_type = 'LPA FAT'

and cd.eid = f.loan\_id

group by source\_type, activity\_description

union

SELECT source\_type

,activity\_description

, count(loan\_id) as loan\_id

, count(distinct finance\_type)

,sum(PLAN\_AMT) as PLAN\_AMT

, SUM(PRINCIPAL\_PRT\_OF\_PLAN\_AMT) AS PRINCIPAL\_PRT\_OF\_PLAN\_AMT

,SUM(IMPUTED\_INTEREST\_OF\_PLAN\_AMT) AS IMPUTED\_INTEREST\_OF\_PLAN\_AMT

, SUM(BALANCE\_ACTIVITY) AS BALANCE\_ACTIVITY

, sum(PRINCIPAL\_BALANCE) as PRINCIPAL\_BALANCE

, SUM(DEF\_INTEREST\_INCOME\_BALANCE) AS DEF\_INTEREST\_INCOME\_BALANCE

,SUM(BAL\_ACTVY\_AMT\_RESIDUAL) AS BAL\_ACTVY\_AMT\_RESIDUAL

,SUM(BAL\_ACTVY\_AMT\_DEVICE) AS BAL\_ACTVY\_AMT\_DEVICE

,SUM(ECLB\_TAX\_AMOUNT) AS ECLB\_TAX\_AMOUNT

,SUM(RESIDUAL\_TAX\_AMOUNT) AS RESIDUAL\_TAX\_AMOUNT

,SUM(UNEARNED\_INTEREST) AS UNEARNED\_INTEREST

,SUM(DI\_OFFSET) AS DI\_OFFSET

FROM FAT\_PROMO\_RECON F , eligible\_promo\_fat el

WHERE f.source\_type = 'EIP FAT'

and el.ee\_id = f.loan\_id

AND f.active = 'Y'

group by source\_type, activity\_description;

# Testing strategy

1. Validate all fields and sums in the reconciliation results
2. Ensure no extra records exists in LPA FAT/OFSLL FAT not in the reconciliation list
3. Ensure no extra records exists in the EIP FAT not in the close\_driver

# Exit Criteria

# Rollback

# Open Items