

Exhibit 20

BATCH_CUSW

1.1 Introduction

The process BATCH_CUSW is a daily job that is used to refresh the tables in CUSW schema in NJKiDS.

1.1.1 BATCH_CUSW

1.1.1.1 Purpose

This procedure is used to refresh all the tables in customer service schema with the data from the underlying base tables after the nightly batch is completed

1.1.2 Database Tables Affected:

1.1.2.1 Driver Tables

NJKiDS transaction tables

1. VCASE
2. VCMEM
3. VDEMO
4. VAMJR
5. VAMNR
6. VDMNR
7. VDSBL
8. VFIPS
9. VIVMG
10. VMHIS
11. VMSSN
12. VOBLE
13. VOTHP
14. VRCTH
15. VREFM
16. VSORD
17. VSWKS
18. VNSFL
19. VBWNT
20. VDINS
21. VMINS
22. VICAS
23. VLSUP
24. VMDET
25. VSTAT
26. VUSRT
27. VCTHB
28. VGTST
29. VDSBH
30. VDSBC
31. VAHIS
32. VEHIS
33. VLSTT
34. VCBOR
35. VPLIC
36. VFEDH
37. HFEDH
38. VIWEM
39. VNRRQ
40. VDMJR
41. VDHLD
42. VELRP
43. VPOFL
44. VEFTR
45. VJDCA

1.1.2.2

Output Tables

Tables in Customer service schema

1. CCASE
2. CCMEM

3. CDEMO
4. CAMJR
5. CAMNR
6. CDMNR
7. CDSBL
8. CFIPS
9. CIVMG
10. CMHIS
11. CMSSN
12. COBLE
13. COTHP
14. CRCTH
15. CREFM
16. CSORD
17. CSWKS
18. CNSFL
19. CBWNT
20. CDINS
21. CMINS
22. CICAS
23. CMDET
24. CSTAT
25. CUSRT
26. CCTHB
27. CGTST
28. CDSBH
29. CDSBC
30. CAHIS
31. CEHIS
32. CREFL
33. CSPAY
34. CSBAL
35. CENSD
36. CENFN

1.1.3 Process Description

This procedure is used to provide data for the customer service portal. It refreshes all the tables in the customer service schema with the data from the underlying base tables, after the nightly batch is completed.

- Get the run date and last run date from VPARM table and validate that the batch program was not executed for the run date, by ensuring that the run date is different from the last run date in the VPARM table. Otherwise, an error message to that effect will be written into VBSTL table and terminate the process.
- Refresh the Customer service tables based on below

Tables refreshed in **SP_REFRESH_STEP1** procedure

CAMJR:

The table is used to store all valid records from VAMJR. All the values in the table are truncated before filling the data for the table.

CFIPS:

The table is used to store all valid records from VFIPS. All the values in the table are truncated before filling the data for the table.

CREFM:

The table is used to store all valid records from VREFM. All the values in the table are truncated before filling the data for the table.

CAMNR:

The table is used to store all valid records in VAMNR. All the values in the table are truncated before filling the data for the table.

CBWNT:

The table is used to store all valid records in VBWNT. All the values in the table are truncated before filling the data for the table.

CDINS:

The table is used to store all valid records in VDINS. All the values in the table are truncated before filling the data for the table.

CSTAT:

The table is used to store all valid records in VSTAT. All the values in the table are truncated before filling the data for the table.

CUSRT:

The table is used to store all valid high profile case records in VUSRT. All the values in the table are truncated before filling the data for the table.

CSWKS:

The table is used to store all records with a valid id_workers in VSWKS. All the values in the table are truncated before filling the data for the table.

CCASE:

The table is used to store all records in VCASE. All the values in the table are truncated before filling the data for the table

CENSD:

The table is used to store record case wise with the following fields are derived from many tables.

Field	Description
NCP_LOCATE_STATUS	Locate status of the NCP
IND_FAMILY_VIOLENCE	Indicates the case is family violence when one of the member is family violence
IND_HIGH_PROFILE	Indicates the case is a high profile case
DT_REPORTED_CRPT	Date when NCP was submitted for credit reporting
DT_LICENSE_STATUS	Recent License status date with Suspended or Reinstated
CD_LICENSE_STATUS	Current status with Suspended or Reinstated
DT_ACTIVE_BWNT	Date of active bench warrant for the NCP
DT_IMIW_SENT	Most recent date when the NCP submitted for income withholding
DT_FOP_SUBMITTED	Date when NCP was submitted for IRS.
DT_PASSPORT_DENIAL	Date when the NCP was sent for passport denial.
DT_CS150_GENERATE	Most recent CS150 notice sent for the case
DT_CS154_GENERATE	Most recent CS154 notice sent for the case
DT_SOIL_SUBMITTED	Date when NCP was submitted for SOIL
AMT_DISB_HOLD	Total amount of CP disbursement hold
AMT_DIST_HOLD	Total amount of distribution hold
AMT_NSF_RECOVERED	NSF amount recovered for the case
AMT_NSF_BAL_DUE	NSF balance due for the case
AMT_RECOUP_RECOVERED	CP recoupment amount recovered
AMT_RECOUP_BAL_DUE	CP recoupment balance due
AMT_DEFRA	Previous month defra amount for the case.
CD_STATUS_EFT	Current status for EFTR for CP
NO_ACCOUNT_BANK_CP	Last 4 digits of CP's bank account number.

All the values in the table are truncated before filling the data for the table.

Tables refreshed in **SP_REFRESH_STEP2** procedure

CMINS:

The table is used to store all valid records in VMINS. All the values in the table are truncated before filling the data for the table.

CICAS:

The table is used to store all valid records in VICAS. All the values in the table are truncated before filling the data for the table.

CSBAL:

The table is used to store only the latest mth_support record from VLSUP. All the values in the table are truncated before filling the data for the table.

CMDET:

The table is used to store all records in VMDET. All the values in the table are truncated before filling the data for the table.

CMSSN:

The table is used to store all valid records (Primary – Confirmed Good, Pending, ITIN – Confirmed Good, Pending) in VMSSN. All the values in the table are truncated before filling the data for the table.

CCMEM:

The table is used to store all the records from VCMEM. All the values in the table are truncated before filling the data for the table.

CCTHB:

The table is used to store all transactions from VCTHB with transactions from last 6 months with the following reason code

ERALL, EREXO, ERRES, ERMEO, ERFSM, ERFSO, ERFSS, SRORD, SRPAT

With the case is still open in VICAS. All the values in the table are truncated before filling the data for the table.

CDSBL:

The table is used to store all the records from VDSBL. If previous batch run date is low date then all the values in the table are truncated before filling the data for the table or only the data from previous batch run to current run date are deleted and inserted.

Tables refreshed in **SP_REFRESH_STEP3** procedure

CGTST:

The table used to store all valid records from VGTST. All the values in the table are truncated before filling the data for the table.

CMHIS:

The table is used to store all the records in VMHIS. All the values in the table are truncated before filling the data for the table.

CDMNR:

The table is used to store only the records for the major 'PATI', 'ESTP' and 'TERM' from VDMNR. All the values in the table are truncated before filling the data for the table.

Major Activity	Minor Activity	Reason code	Comment	Requirement
PATI	SHJUD, SEHSU	AH		Yes/No – Failed to respond to Paternity or Child-support proceeding?
ESTP	JUGSI	YU		Yes/No – Failed to respond to Paternity or Child-support proceeding?
TERM	SCSTP	VE	Status complete	Yes/No – Contest / documentation has been received?

COTHP:

The table is used to store all valid records in VOTHP. All the values in the table are truncated before filling the data for the table.

CNSFL:

The table is used to store records with cd_check_recipient '1' in VNSFL. All the values in the table are truncated before filling the data for the table.

CDSBC:

The table is used to store all records in VDSBH. All the values in the table are truncated before filling the data for the table.

CDEMO:

The table is used to store all records in VDEMO. All the values in the table are truncated before filling the data for the table.

Tables refreshed in **SP_REFRESH_STEP4** procedure

CSORD:

The table is used to store all valid records from VSORD and VJDCA. All the values in the table are truncated before filling the data for the table.

CAHIS:

The table is used to store all the records in VAHIS. All the values in the table are truncated before filling the data for the table.

CIVMG:

The table is used to store only the current and previous months welfare cords from VIVMG. All the values in the table are truncated before filling the data for the table.

CEHIS:

The table is used to store all the records in VEHIS. All the values in the table are truncated before filling the data for the table.

COBLE:

The table is used to store all valid records in VOBLE. All the values in the table are truncated before filling the data for the table.

CRCTH:

The table is used to store all the receipts not backed out from VRCTH.

When previous batch run date is lowdate then all non backedout receipts are moved from VRCTH or the Receipts are incremental refreshed from previous batch run date.

CENFN:

The table stores activity chain details of NMSN, FIDM, REVW, AREN.

Field	Description
dt_open_nmsn	Start date of the recent NMSN sent date
cd_nmsn_closure_reason	NMSN closure reason of the most recent closed chain with no open chain existing from last 6 months
cd_status_open_fidm	Status of the open FIDM chain
cd_result_closed_fidm	Result of the most recent FIDM chain from last 6 months

cd_status_open_csln	Status of the open CSLN chain
cd_result_closed_csln	Result of the most recent CSLN chain from last 6 months
dt_contest_fop	Most recent fop contest date
cd_contest_result_fop	Result from the most recent contest fop.
dt_contest_stx	Most recent stx contest date
cd_contest_result_stx	Result from the most recent contest stx.
cd_status_triennial_review	Current status of the triennial review.

When setting CD_STATUS_OPEN_FIDM to 'A – Under Appeal' only consider most recent open FIDM major activity where the minor activity is either REARF, RRONA, AARFP, AIRRN, or SARCD.

When setting CD_STATUS_OPEN_FIDM to 'S – In Progress' only consider most recent open FIDM major activity where the minor activity is not REARF, RRONA, AARFP, AIRRN, SARCD, ECFLA, OCFUR, or NOTOB.

Open FIDM activity chain is not considered 'In Progress' at step NOTOB – 'Send Notice to Obligor of Intent to Levy' thereby causing the Bank Levy information to be shown on the web only when the FIDM activity chain is advanced to step 'ANCPA – Record Response from NCP/Joint Account Holder/FI'.

All the values in the table are truncated before filling the data for the table.

CSPAY:

The values from VLSUP with seq_event_functional 1820 and type_record 'O' are moved. When previous batch run date is lowdate then all the records are moved excluding reversed receipts else if it is incremental refresh, all the existing receipts in CSPAY which are now reversed will be deleted first before inserting only the dt_distribute records before previous and current batch run date excluding reversed receipts.

CDSBH:

The table is used to store all valid records from VDSBH. If previous batch run date is low date then all the values in the table are truncated before filling the data for the table or only the data's from previous batch run to current run date are deleted and inserted.

Table CREFL is appended by CUSW schema table insert procedures called within refresh steps 1, 2, 3, and 4.

CREFL:

The table logs the CUSW schema table that is refreshed in the batch process with its elapsed time.

- Log any errors or successful completion in the VBSTL table for future reference.
- Update Last Run date in the VPARM table with the run date, upon successful completion.

1.1.4 Flow Chart

1.1.5 Frequency

Daily

1.1.6 Dependencies

1.1.6.1 1.1.6.1

Predecessors:

BATCH_AFP_NOTICE_GENERATION

23DPP00838

1.1.6.2 1.1.6.2

Successors:

N/A

1.1.7 Restart Procedures

Restart the job from the last commit point

1.1.8 Instructions if Job is skipped

Job can be skipped.

1.1.9 Commit Frequency

One commit at the end of the batch job

1.1.10 Exception Threshold

Zero

1.1.11 Input File(s)

N/A

1.1.12 Output File(s)

N/A

1.1.13 Contact information

Name of the Agency	Technical Contact	Functional Contact

1.1.14 Stored Procedure / Functions matrix

S. NO	Stored Procedure Name/ Arguments	Nature of the procedure / Function	Description	Output	Tables / Screens	Applicability			
						I	A	U	D
1	BATCH_COMMON. SP_GET_BATCH_DETAILS AS_ID_JOB	Common Routine	Get Run date and Last run date Internally called by SP_MVIEW_REFRESH_ALL SP_MVIEW_REFRESH SP_REFRESH_STEP1 SP_REFRESH_STEP2 SP_REFRESH_STEP3 SP_REFRESH_STEP4	AD_DT_RUN AD_DT_LAST_RUN AN_NO_COMMIT_FREQ AN_NO_EXCEPTION_THRE SHOLD AC_MSG_CODE AS_ERROR_DESC	-	-	-	-	-
2	BATCH_COMMON. SP_UPDATE_PARM_DATE	Common Routine	Updating Last run date Internally called by SP_MVIEW_REFRESH_ALL SP_MVIEW_REFRESH SP_REFRESH_STEP1 SP_REFRESH_STEP2 SP_REFRESH_STEP3 SP_REFRESH_STEP4	AS_ID_JOB AD_DT_RUN	-	-	-	-	-
3	BATCH_COMMON.SP_BSTL_LOG	Common Routine	Inserting the batch status	-	-	-	-	-	-
4	BATCH_COMMON. SP_BATCH_RESTART_UPDATE	Common Routine	Insert the restart key SP_REFRESH_STEP1 SP_REFRESH_STEP2 SP_REFRESH_STEP3 SP_REFRESH_STEP4	-	-	-	-	-	-

5	BATCH_CUSW. SP_REFRESH_STEP1	Process	This procedure is used to refresh CAMJR, CFIPS, CREFM, CAMNR, CBWNT, CDINS, CSTAT, CUSRT, CSWKS, CCASE, CENS tables in the customer service schema	-	-				
6	BATCH_CUSW.SP_INSERT_CAMJR	procedure	This procedure inserts records in CAMJR table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CAMJR VAMJR	- Y	Y -	- -	- -
7	BATCH_CUSW.SP_INSERT_CFIPS	procedure	This procedure inserts records in CFIPS table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CFIPS VFIPS	- Y	Y -	- -	- -
8	BATCH_CUSW.SP_INSERT_CREFM	procedure	This procedure inserts records in CREFM table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CREFM VREFM	- Y	Y -	- -	- -
9	BATCH_CUSW. SP_INSERT_CAMNR	procedure	This procedure inserts records in CAMNR table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CAMNR VAMNR	- Y	Y -	- -	- -
10	BATCH_CUSW. SP_INSERT_CBWNT	procedure	This procedure inserts records in CBWNT table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CBWNT VBWNT	- Y	Y -	- -	- -
11	BATCH_CUSW.SP_INSERT_CDINS	procedure	This procedure inserts records in CDINS table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CDINS VDINS	- Y	Y -	- -	- -
12	BATCH_CUSW.SP_INSERT_CSTAT	procedure	This procedure inserts records in CSTAT table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CSTAT VSTAT	- Y	Y -	- -	- -
13	BATCH_CUSW.SP_INSERT_CUSRT	procedure	This procedure inserts records in CUSRT table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CUSRT VUSRT	- Y	Y -	- -	- -
14	BATCH_CUSW.SP_INSERT_CSWKS	procedure	This procedure inserts records in CSWKS table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CSWKS VSWKS	- Y	Y -	- -	- -
15	BATCH_CUSW.SP_INSERT_CCASE	procedure	This procedure inserts records in CCASE table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CCASE VCASE	- Y	Y -	- -	- -
16	BATCH_CUSW.SP_INSERT_CENS	procedure	This procedure inserts records in CENS table This procedure is internally called by SP_REFRESH_STEP1	AC_MSG_CODE AS_ERROR_DESC	CENS VENS	- Y	Y -	- -	- -
17	BATCH_CUSW. SP_REFRESH_STEP2	Process	This procedure is used to refresh CMINS, CICAS, CSBAL, CMDET, CMSSN, CMEM, CCTHB, CDSBL tables in the customer service schema	-	VRSTL	Y	-	-	-
18	BATCH_CUSW.SP_INSERT_CMINS	procedure	This procedure inserts records in CMINS table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CMINS VMINS	- Y	Y -	- -	- -
19	BATCH_CUSW.SP_INSERT_CICAS	procedure	This procedure inserts records in CICAS table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CCIAS VCIAS	- Y	Y -	- -	- -
20	BATCH_CUSW.SP_INSERT_CSPAY	procedure	This procedure inserts records in CSPAY table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CSPAY VLSUP VELRP VREFM VRCTH	- Y Y Y Y	Y - - - -	- - - - -	Y - - - -
21	BATCH_CUSW.SP_INSERT_CSBAL	procedure	This procedure inserts records in CSBAL table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CSBAL VLSUP	- Y	Y -	- -	- -
22	BATCH_CUSW.SP_INSERT_CMDET	procedure	This procedure inserts records in CMDET table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CMDET VMDET	- Y	Y -	- -	- -

23	BATCH_CUSW.SP_INSERT_CMSSN	procedure	This procedure inserts records in CMSSN table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CMSSN VMSSN	- Y	Y -	- -	- -
24	BATCH_CUSW.SP_INSERT_CCMEM	procedure	This procedure inserts records in CCMEM table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CCMEM VCMEM	- Y	Y -	- -	- -
25	BATCH_CUSW.SP_INSERT_CCTHB	procedure	This procedure inserts records in CCTHB table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CCTHB VCTHB	- Y	Y -	- -	- -
26	BATCH_CUSW.SP_INSERT_CDSBL	procedure	This procedure inserts records in CDSBL table This procedure is internally called by SP_REFRESH_STEP2	AC_MSG_CODE AS_ERROR_DESC	CDSBL VDSBL	- Y	Y -	- -	- -
27	BATCH_CUSW.SP_REFRESH_STEP3	Process	This procedure is used to refresh CGTST, CMHIS, CDMNR, COTHP, CNSFL, CDSBC, CDEMO tables in the customer service schema	-	-	-	-	-	-
28	BATCH_CUSW.SP_INSERT_CGTST	procedure	This procedure inserts records in CGTST table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CGTST VGTST	- Y	Y -	- -	- -
29	BATCH_CUSW.SP_INSERT_CMHIS	procedure	This procedure inserts records in CMHIS table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CMHIS VMHIS	- Y	Y -	- -	- -
30	BATCH_CUSW.SP_INSERT_CDMNR	procedure	This procedure inserts records in CDMNR table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CDMNR VDMNR VDMJR	- Y Y	Y - -	- - -	- - -
31	BATCH_CUSW.SP_INSERT_COTHP	procedure	This procedure inserts records in COTHP table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	COTHP VOTHP	- Y	Y -	- -	- -
32	BATCH_CUSW.SP_INSERT_CNSFL	procedure	This procedure inserts records in CNSFL table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CNSFL VNSFL	- Y	Y -	- -	- -
33	BATCH_CUSW.SP_INSERT_CDSBH	procedure	This procedure inserts records in CDSBH table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CDSBH VDSBH	- Y	Y -	- -	- -
34	BATCH_CUSW.SP_INSERT_CDSBC	procedure	This procedure inserts records in CDSBC table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CDSBC VDSBC	- Y	Y -	- -	- -
35	BATCH_CUSW.SP_INSERT_CDEMO	procedure	This procedure inserts records in CDEMO table This procedure is internally called by SP_REFRESH_STEP3	AC_MSG_CODE AS_ERROR_DESC	CDEMO VDEMO	- Y	Y -	- -	- -
36	BATCH_CUSW.SP_REFRESH_STEP4	Process	This procedure is used to refresh CAHIS, CSORD, CIVMG, CEHIS, COBLE, CRCTH, CENFN, CSPAY, CDSBH tables in the customer service schema	-	VRSTL	Y	-	-	-
37	BATCH_CUSW.SP_INSERT_CSORD	procedure	This procedure inserts records in CSORD table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CSORD VSORD VIJCA	- Y Y	Y - -	- - -	- - -
38	BATCH_CUSW.SP_INSERT_CAHIS	procedure	This procedure inserts records in CAHIS table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CAHIS VAHIS	- Y	Y -	- -	- -
39	BATCH_CUSW.SP_INSERT_CIVMG	procedure	This procedure inserts records in CIVMG table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CIVMG VIVMG	- Y	Y -	- -	- -
40	BATCH_CUSW.SP_INSERT_CEHIS	procedure	This procedure inserts records in CEHIS table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	CEHIS VEHIS	- Y	Y -	- -	- -
41	BATCH_CUSW.SP_INSERT_COBLE	procedure	This procedure inserts records in COBLE table This procedure is internally called by SP_REFRESH_STEP4	AC_MSG_CODE AS_ERROR_DESC	COBLE VOBLE	- Y	Y -	- -	- -

