

Exhibit 9

BATCH_FIN_CLEARED_CHECKS

INTRODUCTION

The process **BATCH_FIN_CLEARED_CHECKS** loads the Bank Reconciliation file received from Disbursements bank to the temporary table and processes the records to validate the existing check status and update the status of the check disbursements to 'Cashed', in the Disbursements Header in NJKiDS. This file also includes the Void and Stop payments from the Bank.

1 BATCH_FIN_CLEARED_CHECKS.SP_LOAD_CCLR_SDU

1.1.1.1. Purpose

The process loads the Bank Reconciliation file from the Disbursement Bank to the temporary table for further processing.

1.1.1.2. Database Tables Affected:

1.1.1.2.1. Driver Tables

N/A

1.1.1.2.2. Output Tables

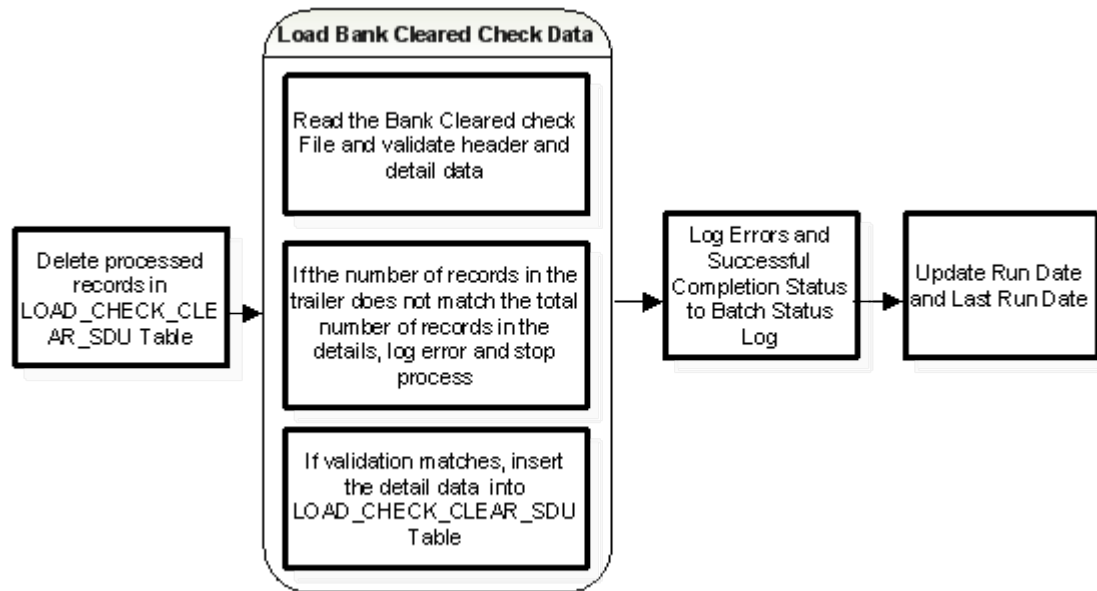
> LOAD_CHECK_CLEAR_SDU

1.1.1.3. Process Description

This procedure loads the Bank cleared check file from the bank to the temporary table LOAD_CHECK_CLEAR_SDU using the oracle package UTL_FILE.

- Get the run date and last run date from PARM (Parameters 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 PARM table. Otherwise, an error message to that effect will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Delete the processed records from LOAD_CHECK_CLEAR_SDU table.
- Read the file using the UTL_FILE package given by oracle and validate the number of records in the trailer against the total number of records in the detail. If they don't match, an error message will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Insert the detail data into the temporary table LOAD_CHECK_CLEAR_SDU.
- Log the error encountered or successful completion in the Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table for future references.
- Update last run date in the PARM table with the run date, upon successful completion.

1.1.1.4. Flow Chart



1.1.1.5. Frequency

Daily

1.1.1.6. Dependencies

1.1.1.6.1. Predecessors:

N/A

1.1.1.6.2. Successors:

The program BATCH_FIN_CLEARED_CHECKS. SP_PROCESS_CLEARED_CHECKS should be executed after the successful run of SP_LOAD_CCLR_SDU these program.

1.1.1.7. Restart Procedures

Start from the beginning

1.1.1.8. Instructions if Job is skipped

Job cannot be skipped.

1.1.1.9. Commit Frequency

Onetime at end of the job

1.1.1.10. Exception Threshold

N/A

1.1.1.11. Input File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
1	LOAD_CLEARED_CHECKS_SDU.TXT	-	SFTP	-	-

1.1.1.11.1. File Layout

Field Name	Position	Length	Type C-Char D-Date N-Number	Format / Default Value	Description
HEADER					
TYPE	1-2	2	C	'HD'	Header type
DATE	3-10	8	D	'YYYYMMDD'	The date when the file is generated
FILLER	11-32	22	C	Spaces	
DETAILS					
TYPE	1-2	2	C	'DT'	Detail type
CHECK_NO	3-11	9	C		Check number
AMT_CHECK	12-22	11	N		Check amount
CD_STATUS_CHECK	23-24	2	C	'CA'	Status of the Check
DT_PAID_CHECK	25-32	8	D	YYYYMMDD	The date when the check was Cashed
TRAILER					
TYPE	1-2	2	C	'TR'	Trailer Type
TRAILER_COUNT	3-12	10	N		# of records given
FILLER	13-32	20	C	Spaces	

Data from input file is stored in the VDSBH table and the mapping is shown as below.

Source	Target
CHECK_NO	VDSBH.NO_CHECK
AMT_CHECK	VDSBH.AMT_DISBURSE
CD_STATUS_CHECK	VDSBH.CD_STATUS_CHECK
DT_PAID_CHECK	VDSBH.DT_STATUS_CHECK

1.1.1.12. Output File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.1.12.1 File Layout

N/A

1.1.1.13. Contact information

Name of the Agency	Technical Contact	Functional Contact
-	-	-

1.1.1.14. Stored Procedure / Functions matrix

No	Stored Procedure Name/ Arguments	Nature of the procedure / Function	Description	Output	Tables / Screens	Applicability			
						I	A	U	D
1	SP_LOAD_CCLR_SDU	Loading	Load the data from the file to the temporary table	-	LOAD_CHECK_CLEAR_SDU	-	Y	-	Y
2	BATCH_COMMON.SP_GET_BATCH_DETAILS	Common Routine	Returns batch Run date, Last Run date, Out file location.	-	-	-	-	-	-
3	BATCH_COMMON.SP_LOAD_DATA	Common Routine	Loading file	-	-	-	-	-	-
4	BATCH_COMMON.SP_BSTL_LOG	Common Routine	Inserting the batch status	-	-	-	-	-	-
5	BATCH_COMMON.SP_UPDATE_PARM_DATE	Common Routine	Updating Last run date	-	-	-	-	-	-
6	BATCH_COMMON.SP_RAISE_APPLICATION_ERROR	Common Routine	This procedure is used to display the error occurred due to unhandled exceptions	-	-	-	-	-	-

ATCH_FIN_CLEARED_CHECKS.SP_PROCESS_CLEARED_CHECKS

1.1.2.1. Purpose

The process reads the cashed check information from the temporary table and updates the check status and status date in Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table.

The checks with void or stop payment status in the Bank reconciliation file will be validated against the data in NJKIDS and the mismatches are recorded in the system.

1.1.2.2. Database Tables Affected:

1.1.2.2.1. Driver Tables

> LOAD_CHECK_CLEAR_SDU

1.1.2.2.2. Output Tables

> LOG_DISBURSEMENT_HEADER (DSBH)

> BATCH_ERROR (BATE)

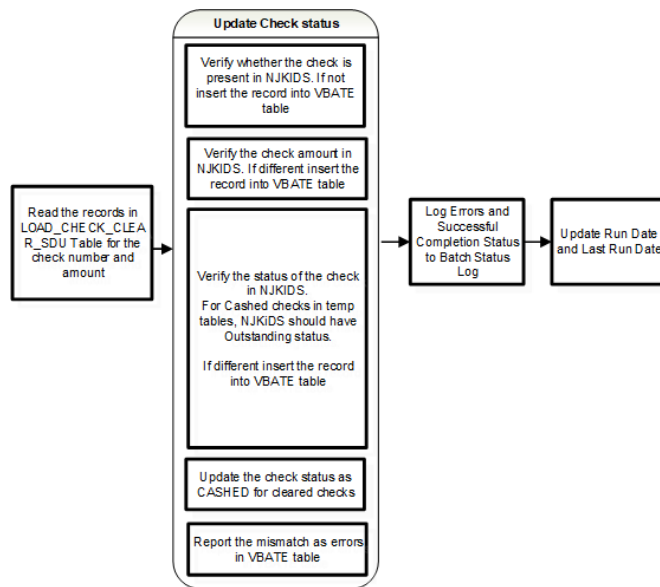
> GLOBAL_EVENT (GLEV)

1.1.2.3. Process Description

This procedure reads the Cashed Check information from the temporary table LOAD_CHECK_CLEAR_SDU and updates the check status on the NJKIDS disbursement (DSBH) table to the Status of 'CA' – Cashed. The Void and Stopped payments in the file are matched with data in NJKIDS and mismatch checks are reported as errors. The status date on the disbursement record will be updated with the Date on the CCLR file. The updated data can be viewed on Disbursement View (DSBV) screen.

- Get the run date and last run date from PARM (Parameters 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 PARM table. Otherwise, an error message to that effect will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Read the cleared checks from the temporary table table LOAD_CHECK_CLEAR_SDU and fetch all check disbursement records from Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table for the check numbers from the input file using the following conditions.
 - CD_MEDIUM_DISBURSE = 'C' -- Check
 - NO_CHECK = CHECK_NO from the temporary table
 - DT_END_VALIDITY = '31-DEC-9999'
- If no record exists in the LOG_DISBURSEMENT_HEADER table for the given check number, insert into Batch Status Log (BSTL) Screen/ BATCH_ERROR – (BATE) table with the message 'Check number not in the system'.
- If the check amount on the Disbursement record does not match the check amount on the input file, insert into Batch Status Log (BSTL) Screen/ BATCH_ERROR (BATE) table with the reason 'Amount on the check does not match'. Use the following conditions in Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table
 - AMT_DISBURSE is not equal to AMT_CHECK from the input file table
 - CD_MEDIUM_DISBURSE = 'C' -- Check
 - NO_CHECK = CHECK_NO from the temporary table
 - DT_END_VALIDITY = '31-DEC-9999'
- If the check status is not 'Outstanding' on Disbursement header record for the cashed checks in the temporary table, Insert into Batch Status Log (BSTL) Screen/ BATCH_ERROR (BATE) table with the reason 'Check is not in Outstanding status: Current status = <Current Check status>'. Use the following conditions in Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table

- STATUS_CHECK is not equal to 'OU'--Outstanding
 - CD_MEDIUM_DISBURSE = 'C' -- Check
 - CD_STATUS_CHECK = 'CA' in the temporary table
 - NO_CHECK = CHECK_NO from the temporary table
 - DT_END_VALIDITY = '31-DEC-9999'
 - If the check status is not 'Void No-Reissue' or 'Void Re-issue' on Disbursement header record for the Voided checks in the temporary table, insert into Batch Status Log (BSTL) Screen/ BATCH_ERROR (BATE) table with the reason 'Check is not in Voided status: Current status = <Current Check status>'. Use the following conditions in Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table
 - STATUS_CHECK Not In ('VN' – Void No Reissue, 'VR' – Void Reissue')
 - CD_MEDIUM_DISBURSE = 'C' -- Check
 - NO_CHECK = CHECK_NO from the temporary table
 - CD_STATUS_CHECK = 'VD' in the temporary table
 - DT_END_VALIDITY = '31-DEC-9999'
 - If the check status is not Stop No reissue/ Stop Reissue' on Disbursement header record, Insert into Batch Status Log (BSTL) Screen /BATCH_ERROR (BATE) table with the reason 'Check is not in Stopped status: Current status = <Current Check status>'. Use the following conditions in Disbursement View (DSBV) screen / LOG_DISBURSEMENT_HEADER (DSBH) table
 - STATUS_CHECK Not In ('SN' – Stop No reissue, 'SR' – Stop Reissue)
 - CD_MEDIUM_DISBURSE = 'C' -- Check
 - NO_CHECK = CHECK_NO from the temporary table
 - CD_STATUS_CHECK = 'ST' in the temporary table
 - DT_END_VALIDITY = '31-DEC-9999'
 - Generate a sequence number and insert into GLOBAL_EVENT (GLEV)
 - End validate the existing DISBURSEMENT_HEADER record.
 - DT_END_VALIDITY = System date
 - SEQ_EVENT_GLOBAL_END = the generated global event
 - Insert into DISBURSEMENT_HEADER to record the cashed status.
 - CD_STATUS_CHECK = 'CA'
 - SEQ_EVENT_GLOBAL_BEG = the generated global event
 - DT_STATUS_CHECK = DT-PAID_CHECK
 - SEQ_EVENT_GLOBAL_END = 0
 - DT_END_VALIDITY = '31-DEC-9999'
- And all other fields same as in the updated record
- Log the error encountered or successful completion in the BATCH STATUS LOG Screen / BATCH_STATUS_LOG (BSTL) table for future references.
 - Update last run date in the PARM table with the run date, upon successful completion.



1.1.2.5. Frequency

Daily

1.1.2.6. Dependencies

1.1.2.6.1. Predecessors:

The program BATCH_FIN_CLEARED_CHECKS.SP_LOAD_CCLR_SDU should be executed successfully before running this program.

1.1.2.6.2. Successors:

The program BATCH_FIN_STALE_CHECKS.SP_LOAD_STALE should be executed after successful run of this program.

1.1.2.7. Restart Procedures

Restart the job from the last commit point

1.1.2.8. Instructions if Job is skipped

Job cannot be skipped.

1.1.2.9. Commit Frequency

Onetime at end of the job

1.1.2.10. Exception Threshold

N/A

1.1.2.11. Input File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.2.11.1. File Layout

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1.1.2.12. Output File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.2.12.1. File Layout

N/A

1.1.2.13. Contact information

Name of the Agency	Technical Contact	Functional Contact
-	-	-

1.1.2.14. Stored Procedure / Functions matrix

No	Stored Procedure Name/ Arguments	Nature of the procedure / Function	Description	Output	Tables / Screens	Applicability			
						I	A	U	D
1	SP_PROCESS_CLEARED_CHECKS	Processing	Read the data from the temporary tables and update the check status to 'CA' – Cashed and status date in LOG_DISBURSEMENT_HEADER (DSBH)	-	VDSBH VBATE VGLEV LOAD_CHECK_CLE AR_SDU	Y - Y -	Y Y - -	Y - Y Y	- - - -
2	BATCH_COMMON.SP_GET_BATCH_DETAILS	Common Routine	Returns batch Run date, Last Run date, Out file location.	-	-	-	-	-	-
3	BATCH_COMMON.SP_LOAD_DATA	Common Routine	Loading file	-	-	-	-	-	-
4	BATCH_COMMON.SP_BSTL_LOG	Common Routine	Inserting the batch status	-	-	-	-	-	-
5	BATCH_COMMON.SP_UPDATE_PARM_DATE	Common Routine	Updating Last run date	-	-	-	-	-	-
6	BATCH_COMMON.SP_BATE_LOG	Common Routine	This procedure is used to insert the unprocessed record error codes into VBATE table.	-	-	-	-	-	-
7	SP_GENERATE_SEQ	Common Routine	This Procedure is used to create sequence number to identify a transaction	-	-	-	-	-	-
8	BATCH_COMMON. SP_RAISE_APPLICATION_ERROR	Common Routine	This procedure is used to display the error occurred due to unhandled exceptions	-	-	-	-	-	-

ATCH_FIN_CLEARED_CHECKS.SP_LOAD_VOIDS_STOPS_SDU

1.1.3.1. Purpose

The process loads the Bank Reconciliation file from the Disbursement Bank to the temporary table for further processing of monthly voids and stops checks.

1.1.3.2. Database Tables Affected:

1.1.3.2.1. Driver Tables

1.1.3.2.2. Output Tables

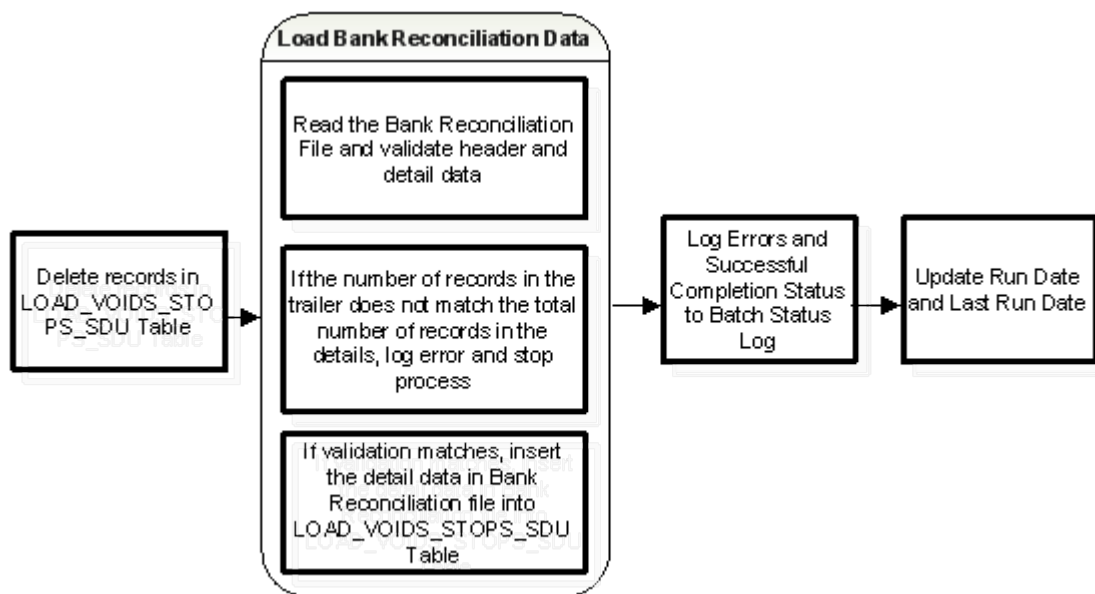
LOAD_VOIDS_STOPS_SDU

1.1.3.3. Process Description

This procedure loads the Bank Reconciliation file from the bank to the temporary table LOAD_VOIDS_STOPS_SDU using the oracle package UTL_FILE.

- Get the run date and last run date from PARM (Parameters 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 PARM table. Otherwise, an error message to that effect will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Delete the records from LOAD_VOIDS_STOPS_SDU table.
- Read the file using the UTL_FILE package given by oracle and validate the number of records in the trailer against the total number of records in the detail. If they don't match, an error message will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Insert the detail data into the temporary table LOAD_VOIDS_STOPS_SDU.
- Log the error encountered or successful completion in the Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table for future references.
- Update last run date in the PARM table with the run date, upon successful completion.

1.1.3.4. Flow Chart



1.1.3.5. Frequency

Monthly

1.1.3.6. Dependencies

1.1.3.6.1. Predecessors:

1.1.3.6.2. Successors:

The program BATCH_FIN_CLEARED_CHECKS.SP_PROCESS_VOIDS_STOPS should be executed after the successful run of this program.

1.1.3.7. Restart Procedures

Start from the beginning

1.1.3.8. Instructions if Job is skipped

Job cannot be skipped.

1.1.3.9. Commit Frequency

Onetime at end of the job

1.1.3.10. Exception Threshold

N/A

1.1.3.11. Input File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
1	LOAD_VOIDS_STOPS_SDU.TXT	-	SFTP	-	-

1.1.3.11.1. File Layout

Field Name	Position	Length	Type C-Char D-Date N-Number	Format / Default Value	Description
HEADER					
TYPE	1-2	2	C	'HD'	Header type
DATE	3-10	8	D	'YYYYMMDD'	The date when the file is generated
FILLER	11-32	22	C	Spaces	
DETAILS					
TYPE	1-2	2	C	'DT'	Detail type
CHECK_NO	3-11	9	C		Check number
AMT_CHECK	12-22	11	N		Check amount
CD_STATUS_CHECK	23-24	2	C		Status of the Check. Possible values are 'VD' - Voided 'ST' - Stopped
DT_PAID_CHECK	25-32	8	D	YYYYMMDD	The date when the check was Cashed
TRAILER					
TYPE	1-2	2	C	'TR'	Trailer Type
TRAILER_COUNT	3-12	10	N		# of records given
FILLER	13-32	20	C	Spaces	

Data from input file is stored in the VDSBH table and the mapping is shown as below.

Source	Target
CHECK_NO	VDSBH.NO_CHECK
AMT_CHECK	VDSBH.AMT_DISBURSE
CD_STATUS_CHECK	VDSBH.CD_STATUS_CHECK
DT_PAID_CHECK	VDSBH.DT_STATUS_CHECK

1.1.3.12. Output File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.3.12.1. File Layout

N/A

1.1.3.13. Contact information

Name of the Agency	Technical Contact	Functional Contact
-	-	-

1.1.3.14. Stored Procedure / Functions matrix

No	Stored Procedure Name/ Arguments	Nature of the procedure / Function	Description	Output	Tables / Screens	Applicability			
						I	A	U	D
1	SP_LOAD_VOIDS_STOPS_SDU	Loading	Load the data from the file to the temporary table	-	LOAD_VOIDS_STOPS_SDU	-	Y	-	Y
2	BATCH_COMMON.SP_GET_BATCH_DETAILS	Common Routine	Returns batch Run date, Last Run date, Out file location.	-	-	-	-	-	-
3	BATCH_COMMON.SP_LOAD_DATA	Common Routine	Loading file	-	-	-	-	-	-
4	BATCH_COMMON.SP_BSTL_LOG	Common Routine	Inserting the batch status	-	-	-	-	-	-
5	BATCH_COMMON.SP_BATE_LOG	Common Routine	This procedure is used to insert the unprocessed record error codes into VBATE table.	-	-	-	-	-	-
6	BATCH_COMMON.SP_RAISE_APPLICATION_ERROR	Common Routine	This procedure is used to display the error occurred due to unhandled exceptions	-	-	-	-	-	-

1.1.4 BATCH_FIN_CLEARED_CHECKS.SP_PROCESS_VOIDS_STOPS

1.1.4.1. Purpose

The process reads the voids and stopped check information from the LOAD_VOIDS_STOPS_SDU temporary. If check is not present in VDSBH it will be logged in VBATE table.

1.1.4.2. Database Tables Affected:

1.1.4.2.1. Driver Tables

LOAD_VOIDS_STOPS_SDU

1.1.4.2.2. Output Tables

BATCH_ERROR (BATE)

LOAD_VOIDS_STOPS_SDU

1.1.4.3. Process Description

This procedure reads the Cashed Check information from the temporary table LOAD_VOIDS_STOPS_SDU and checks for the following conditions.

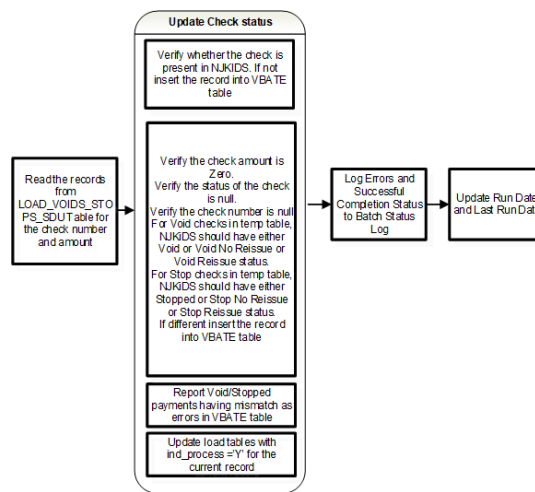
- Get the run date and last run date from PARM (Parameters table) and validate that the batch program was not executed for the run date, by ensuring that the run date is different from the last run date in the PARM table. Otherwise, an error message to that effect will be written into Batch Status Log (BSTL) screen / BATCH_STATUS_LOG (BSTL) table and terminate the process.
- Checks if the check number is NULL or amount on the check is zero dollars or check code status is NULL. If any of the conditions are satisfied then throw an error 'KEY DATA IS NOT FOUND' with error code **E0958**.
- Then verify check code status is VR (void reissue) or SR (stop reissue). If not throw an error 'NOT VALID' with error code **E0085**.
- If the check number is not NULL or amount on the check is not zero dollars or check code status is not NULL then load amount disbursed (amt_disbursed) and check code status from (cd_status_check) from VDSBH table ,where no_check = <Current no_check> and

◦ CD_MEDIUM_DISBURSE = 'C' -- Check
 ◦ DT_END_VALIDITY = '31-DEC-9999'

If 'NO_DATA_FOUND' then raise error 'CHECK NO NOT IN SYSTEM' with code **E0963**. If 'TOO_MANY_ROWS' then raise error 'MORE THAN ONE CHECK FOUND IN THE SYSTEM FOR THE CHECK NO' with code **E0964**.

- If the check number is not NULL or amount on the check is not zero dollars or check code status is not NULL and check code status check is not ('VR','VN') and code status check is equal to 'VD' then raise error 'CHECK IS NOT IN VOIDED STATUS' with code **E0967**.
- If the check number is not NULL or amount on the check is not zero dollars or check code status is not NULL and check code status check is not ('SR','SN') and code status check is equal to 'ST' then raise error 'CHECK IS NOT IN STOPPED STATUS' with code **E0968**.
- Update LOAD_VOIDS_STOPS_SDU tables with id_process='Y' for current row_id.
- If error are found, then LOG_DISBURSEMENT_HEADER table for the given check number, insert into BATCH_ERROR – (BATE) table with the appropriate message.
- Log the error encountered or successful completion in the BATCH STATUS LOG Screen / BATCH_STATUS_LOG (BSTL) table for future references.
- Update last run date in the PARM table with the run date, upon successful completion.

1.1.4.4. Flow Chart



1.1.4.5. Frequency

Monthly

1.1.4.6. Dependencies

1.1.4.6.1. Predecessors:

The program BATCH_FIN_CLEARED_CHECKS.SP_LOAD_VOIDS_STOPS_SDUT should be executed successfully before running this program.

1.1.4.6.2. Successors:

1.1.4.7. Restart Procedures

Restart the job from the last commit point

1.1.4.8. Instructions if Job is skipped

Job cannot be skipped.

1.1.4.9. Commit Frequency

Onetime at end of the job

1.1.4.10. Exception Threshold

N/A

1.1.4.11. Input File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.4.11.1. File Layout

-

1.1.4.12. Output File(s)

S.No	Name of the File	File Format	Transfer Mechanism	File location	Estimated size (in MBs)
-	-	-	-	-	-

1.1.4.12.1. File Layout

N/A

1.1.4.13. Contact information

Name of the Agency	Technical Contact	Functional Contact
-	-	-

1.1.4.14. Stored Procedure / Functions matrix

No	Stored Procedure Name/ Arguments	Nature of the procedure / Function	Description	Output	Tables / Screens	Applicability			
						I	A	U	D
1	SP_PROCESS_VOIDS_STOPS	Processing	Read the data from the temporary tables and check of errors	-	VDSBH VBATE LOAD_VOIDS_STOPS_SDU	Y - Y	- Y -	- - -	- - -
2	BATCH_COMMON.SP_GET_BATCH_DETAILS	Common Routine	Returns batch Run date, Last Run date, Out file location.	-	-	-	-	-	-
3	BATCH_COMMON.SP_LOAD_DATA	Common Routine	Loading file	-	-	-	-	-	-
4	BATCH_COMMON.SP_BSTL_LOG	Common Routine	Inserting the batch status	-	-	-	-	-	-
5	BATCH_COMMON.SP_UPDATE_PARM_DATE	Common Routine	Updating Last run date	-	-	-	-	-	-
6	BATCH_COMMON.SP_BATE_LOG	Common Routine	This procedure is used to insert the unprocessed record error codes into VBATE table.	-	-	-	-	-	-
7	BATCH_COMMON.SP_RAISE_APPLICATION_ERROR	Common Routine	This procedure is used to display the error occurred due to unhandled exceptions	-	-	-	-	-	-