# Preference Access SSN Matching

Program Overview

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## Overview

This Batch PowerOn Allows the user to create, update or remove Preference Access (PA) records based upon Primary Name SSN matching using the input of various user changeable options.

## PowerOn Run-Time Detail

There are no run-time batch prompts as all user changeable options are set up in a Letter file. The program is run from batch control. Output consists of a report and FM data file which will be used by Misc. Processing to update member accounts as determined by the program logic in conjunction with the parameter settings from the Letter file.

## Program setup & Installation

Upload the required files to their respective folders. The easiest way to upload them is to use the Episys PC Transfer function.

### Required Files

- REPWRITERSPECS folder
  - RB.PREFACCESS.SSNMATCHING (Main PowerOn program)
  - Standard PowerOn Library include files which should already be in your system:
    - RD.GETDATA.DEF
    - RB.LISTEXPAND.DEF
    - RB.LISTEXPAND
    - RD.OUTPUT.DEF
- LETTERSPECS folder
  - PREFACCESS.SSNMATCHING.CFG (Main program configuration Letter file)

### Installation steps

- Upload files to their respective directories
- Update the settings in the configuration Letter file. The configuration Letter file contains the details for the various settings.

### Configuration Letter file

The configuration Letter file allows certain aspects of the program to be customized to better suit your needs.

(Please note: 'home account' refers to the account whose Preference Access records are being assessed. 'target account(s)' are those account(s) being evaluated due to their connection to the home account by the SSN match.)

Among the options to be set are:

- Invalid home Account types.
  - Home accounts of these Account types will be skipped over by the program.
- Invalid target Share, Loan and External Loan types.
  - Shares, Loans and External loans of these types which are under the target account will not be considered. If the home account already has a PA record pointing to an invalid Share, Loan or External Loan the PA record will be further evaluated based upon the configuration Letter file settings.
- Invalid SSNs (i.e. '111111111', 123456789').
  - Any SSN's which are not to be processed such as those used for testing.
- Valid name types.
  - Target account name types which the program will ignore.
- Preference Access record flags the program is to set.
  - When creating or updating a PA record which access flags should be set (Inquiry, WD, Deposit)
- How to handle (process) Preference Access records no longer valid.
  - If a PA record is no longer valid by the SSN search how should the program handle them? Ignore them, delete them or validate them on their own merit.
- Maximum Accounts (for testing,)
  - For ease of testing your parameter settings and overall program functionality, you can limit the number of home accounts which are to be processed by the program.
- Test Account list (for testing.)
  - For ease of testing and validation, you can list up to 10 specific account numbers the program is to process. All other, otherwise eligible, accounts will be ignored.

The configuration Letter file contains full instructions on setting these run-time parameters. Do pay close attention when selecting your options, making sure to set each option within the required parameters.

## Program Logic
The program operates as follows...

1. For each open account which meets the following criteria:

- o has a preference record.
- o is not an excluded account type.
- o if test mode is being used is one of the listed test accounts.
2. Create a list of existing PA records. Mark each record with a status of UNKNOWN
3. Loop through the list of existing PA records, looking for those with an ID type of 2 (unrestricted). For those PA records found, check the list for other PA records pointing to the same account and if any are found, mark them as INVALID (as they are redundant).
4. Taking the primary SSN, search the database, generating a list of alternate accounts where the SSN is found. The program can process a list of up to 300 alternate accounts for any given home account.
   a. For each alternate account, look for the SSN. If the SSN is not found at the account level, then continue the search with any eligible Shares, Loans and External Loans.
5. For each match found, look through the PA list
   a. If there is already an existing PA record pointing to the target Account, Share, Loan or External Loan, mark the PA record status as VALID.
   b. If a PA match is not found, add a new PA record to the list and mark its' status as NEW.
6. Loop through the final list of PA records.
   a. If the record's current status is UNKNOWN process the record further based upon the CFG Letter file parameter.
      i. If the invalid Preference Access Records Processing parameter is set to DELETE, change the record's status to INVALID
      ii. If the parameter is set to IGNORE then set the record's status to IGNORE
      iii. If the parameter is set to VALIDATE then validate that the PA record points to a valid account and, as appropriate a valid Share, Loan or External Loan and if so, mark the record's status as VALID otherwise, change the record's status to INVALID.
   b. If the record's status is VALID and the access flags (WD, Inquiry, Deposit) do not match the related settings in the CFG Letter file, mark the record for UPDATE.
   c. Process the PA record based upon its' final record status.
      i. If the status is NEW, create a new PA record.
      ii. If the status is UPDATE, update the existing PA record so the access flags match the current CFG Letter file settings.
      iii. If the status is INVALID, delete the PA record.
      iv. If the status is IGNORE, leave the PA record as-is.
   d. Update the report with the account and PA list information along with the action taken for each of the PA records.
   e. Output the necessary data to the FM report to be used by Misc. Processing to update the member's accounts.

# Database Interaction

## Data Sources

Data utilized by the program is pulled from the following sources:

- Name records at the Account, Share, Loan, and External Loan levels.

- Preference and Preference Access records

File Maintenance Performed
- Preference Access records

## Additional Information

## Program Change History

Ver. 1.0.0  05/03/23: T. Kainz - Banno
- o Original Programming