

Overview of the Program

This program generates Direct Deposit Transmittal Files for Citibank. It processes employee payroll data and creates files containing information for direct deposit transactions.

Procedures in the Program:

Main Procedures:

Init-Report: Initializes the report by setting up date/time formats, initializing APIs, creating arrays, and setting initial values for variables.

Report: Prompts for user input (prenote date and description) or retrieves them from run control parameters. It then selects relevant data from the pay calendar and pay group tables and calls either **Process-Combined-Files** or **Process-Separate-Files** depending on the configuration.

Process-Combined-Files: Processes all selected employee data and generates a single combined file for both domestic and IAT (International ACH Transaction) transactions.

Process-Separate-Files: Processes employee data and generates separate files for domestic and IAT transactions.

Supporting Procedures:

getEmailAddresses: Retrieves email addresses associated with the run control ID.

Select-Parameters: Retrieves run control parameters for the report.

Create-Array: Creates an array used for calculating check digits.

Get-PA-Company-Data: Retrieves company data for the "PA" company.

Process-Entry-Detail: Processes individual employee direct deposit details for combined files.

Process-Entry-Detail-Separate: Processes individual employee direct deposit details for separate files.

Get-IAT-indicator: Determines if the transaction is an IAT transaction.

Start-New-File: Initializes variables and writes the file header for a new domestic file.

Start-New-File-IAT: Initializes variables and writes the file header for a new IAT file.

Start-New-Batch: Initializes variables and writes the batch header for a new batch within the current file.

Start-New-Batch-IAT: Initializes variables and writes the batch header for a new IAT batch within the current file.

Get-File-header-Company: Retrieves company information for the file header.

Select-Parameters-File-Co: Retrieves company information for the file header based on run control parameters.

Open-File: Opens a new domestic file for writing.

Open-File-IAT: Opens a new IAT file for writing.

Write-File-Header: Writes the header record for the domestic file.

Write-File-Header-IAT: Writes the header record for the IAT file.

Write-Batch-Header: Writes the header record for a new batch within the domestic file.

Write-Batch-Header-CCD: Writes the header record for a new CCD batch within the domestic file.

Write-Batch-Header-CCD-Sep: Writes the header record for a new CCD batch within the IAT file.

Write-Batch-Header-IAT: Writes the header record for a new IAT batch within the domestic file.

Write-Batch-Header-IAT-Sep: Writes the header record for a new IAT batch within the IAT file.
Write-Entry-Detail: Writes a detail record for a domestic transaction.
Write-Entry-Detail-IAT: Writes a detail record for an IAT transaction.
Check-Prenote-Status: Checks if prenote processing is required and updates status accordingly.
Complete-Prenote-Status: Updates the prenote status to "Completed."
Update-Prenote-Reqd: Updates the prenote required flag to "No."
Close-File: Closes the domestic file and sends an email notification.
Close-File-IAT: Closes the IAT file.
Write-Offset-Record-Sep: Writes an offset record for domestic transactions.
Write-Offset-Record-IAT: Writes an offset record for IAT transactions.
Write-Prenotes: Writes prenote records for employees.
Write-Batch-Control: Writes the batch control record for the domestic file.
Write-Batch-Control-IAT-Sep: Writes the batch control record for the IAT file.
Write-File-Control: Writes the file control record for the domestic file.
Write-File-Control-IAT: Writes the file control record for the IAT file.
Complete-Block: Writes padding records to complete a block in the domestic file.
Complete-Block-IAT: Writes padding records to complete a block in the IAT file.
Calc-DFI-CheckDigit: Calculates the check digit for the DFI (Depository Financial Institution) routing number.
Calc-Alt-Trace: Calculates an alternate trace number.
Get-Transit-Descr: Retrieves the bank name based on the transit routing number.
Get-Two-Char-Country: Converts a three-character country code to a two-character code.
Lower-To-Upper: Converts lowercase characters in a name to uppercase.

Header and Footings:

The program writes specific header and footer records for both file and batch levels. These records contain information like record type, service class code, company information, dates, and control totals.

Outputs:

The program generates one or two output files depending on the configuration:

Combined File: Contains both domestic and IAT transactions in a single file.
Separate Files: Generates one file for domestic transactions and another for IAT transactions.

Group Ordering:

The program processes and writes records based on the following order:

Company
Bank Code
Pay Group
Check Date

Special Considerations:

The program includes specific modifications for the Port Authority of New York and New Jersey (PATH).

The program can be configured to generate separate files for domestic and IAT transactions.

The program calculates and writes check digits for DFI routing numbers.

The program sends an email notification upon completion of file generation.

Summary:

This program automates the creation of Direct Deposit Transmittal Files for Citibank, ensuring accurate and efficient processing of employee direct deposit information.