Deposits 8.5.2
EFAS Reference Guide

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Chapter

1

Introduction

The Infopoint ***EFAS*** (Expedited Funds Availability Scheduler) ***Reference Guide*** contains the following:

- Application processing procedures
- Application Panels
- MICM parameters
- Reports
- Online and batch programs
- Files and records used and maintained by EFAS
- Conversion information and procedures

Organization of This Guide

The EFAS documentation consists of 10 chapters, a glossary, and an index. The table below briefly describes each chapter.

Chapter	Title	Description
1	Introduction	Describes the documentation.
2	Features	Describes the benefits and features of EFAS. Lists the enhancements and modifications applicable to this product release.
3	Application Processing	Provides recommendations and procedures to help you with the daily operations of EFAS.
4	Application Panels	Describes the different types of EFAS panels and their access. Also provides panel samples.
5	MICM Parameters	Describes how to set up MICM parameters that are specific to EFAS.
6	Reports	Describes the daily, monthly, and request reports and provides report samples.
7	Online Programs	Describes the online programs specific to EFAS.

Chapter	Title	Description
8	Batch Programs	Describes the daily, monthly, and request programs along with descriptions of subroutines and technical procedures.
9	Application Files	Provides layouts for EFAS files and their records.
10	Conversion	Describes procedures for converting the existing application to the Infopoint format.
	Glossary	Describes financial and banking concepts and terms applicable to EFAS.
	Index	Provides a quick reference for locating information.

How to Use This Guide

This guide is an instructional and reference guide that should be read in the following manner.

1. Briefly browse through each chapter to obtain an overview of its contents and become familiar with the general capabilities and features of EFAS.
2. Carefully read through each chapter to learn specific information and its location.
3. After becoming familiar with the EFAS product, refer to this guide as a standard source of instructional and reference information.

Conventions Used in This Guide

Feature	Explanation
Boldface	Identifies actual numeric and alphanumeric values of field's description. These must be keyed in exactly as shown.
UPPERCASE	Identifies field names (such as EFBANK), file and record names (such as EF-RPTSFIL), and program names (such as EFD200).
Keycaps	Identifies actual keyboard keys such as [Clear] or [Enter}].
Italics	Used to emphasize or define a term or concept.
Bold Italics	Used when referring to another Infopoint application or to a guide for another Infopoint application.
~~b~~	Signifies a blank field value associated with a field name.
n	Signifies any numeric field value associated with a field name or card column.

Product Publications

The guides listed below comprise the documentation set for Deposits.

Infopoint Deposits ***EFAS Reference Guide***

Contains daily processing procedures for EFAS, online panels and descriptions and report descriptions (with samples). Also, this guide contains technical information about online and batch programs, files and records layouts, MICM records, and conversion information.

Infopoint Deposits ***Procedures Guide***

Contains daily processing procedures for Deposits, online messages generated during processing, descriptions of the online panels (with samples), batch forms (with masters) and reports (with samples). Also this guide describes the MICM online panels, batch forms, and records specific to Deposits.

Infopoint Deposits ***Reference Guide***

Contains technical information about online and batch programs and layouts for files and records used by Deposits. In addition, this guide provides the application-specific MICM record layouts.

Infopoint Deposits ***Operations Guide***

Describes complete batch operations and technical procedures for Deposits and provides conversion and migration information.

Infopoint Deposits ***Installation Guide***

Contains step-by-step instructions for installing the product.

Related Publications

The guides listed below provide additional reference material relating to Infopoint EFAS.

Infopoint MICM ***Procedures Guide***

Contains the online panels and batch forms used to maintain MICM and provides form masters. Procedures and reports produced by MICM are also included.

Infopoint MICM ***Reference Guide***

Describes the online programs, batch programs, and files used by MICM.

Infopoint MICM ***Operations Guide***

Contains conversion and migration information.

Infopoint MICM ***Installation Guide***

Contains step-by-step instructions for installing the product.

Infopoint Runtime Components ***Reference Guide***

Contains technical information on API and mapping features used by Infopoint systems running under the API architecture.

Infopoint Runtime Components ***Installation Guide***

Contains step-by-step instructions for installing the product.

Chapter

2

Features

Infopoint Expedited Funds Availability Scheduler (EFAS) is designed to meet Regulation CC float assignment requirements. Regulation CC establishes fund availability schedules for float assignment and requires the following:

- Immediate availability of at least $100
- Mandatory next-day availability on limited liability items
- Specific float periods for other items

Exceptions to the schedules are allowed only under certain conditions. Regulation CC requires institutions to disclose float schedules; any exceptions to these schedules must be reported to their customers.

EFAS meets Regulation CC requirements by providing:

- Mandatory next-day availability processing
- Safeguard order processing
- Exception processing
- Excessive deposit processing

Notices print for items assigned additional float, indicating the exception reason and generating selected float reports.

General Features and Options

Multiple Institution Processing

EFAS allows 999 institutions to be processed simultaneously. These institutions can be assigned to holding companies as desired.

Online System

EFAS provides online capabilities for safeguard orders, allowing creation, deletion, maintenance, and inquiries. An audit trial is provided for safeguard orders entered.

Stand-alone Operation

EFAS operates independently of other TriSyn Group applications. Included with the application is an interface module that allows you to easily incorporate your existing applications with a minimum of effort.

Mandatory Next-day Availability Processing

EFAS is designed to satisfy mandatory next-day availability. Transactions from Infopoint SuperMICR, Infopoint SuperMICR II, and/or Infopoint Transaction Gateway (Teller) are analyzed, and their float records are adjusted according to MICM parameters.

Exception Float Processing

EFAS exception float processing consist of three phases:

- Safeguard processing
- Exception processing
- Excessive deposit processing

Safeguard orders and exceptions use the transaction file from Infopoint SuperMICR II and/or Infopoint Transaction Gateway (Teller) and adjust float records accordingly. The accumulation of an account's daily deposits is kept for use in the excessive deposit calculation. Exception Processing includes, processing for new accounts, high-risk accounts, accounts with excessive overdrafts, and accounts with excessive returned checks.

Notice Generation

EFAS can automatically generate notices for all float, or only when float is adjusted due to an exception. Optional duplicate notices can be generated for items that have already had a notice presented.

Audit Trails

EFAS provides for audit trails through daily reports.

Management Features

Reduces Workload

The nature of EFAS is to improve efficiency through automation and to ensure compliance with Regulation CC requirements.

The need to manually analyze deposited items, adjust float amounts, and adjust float days is eliminated. EFAS analyzes the transaction file, identifying exception items and adjusting float days according to established parameters.

Additional time and effort are saved because the application automatically prints notices or duplicate notices when required. The customer's telephone number prints on the notice, so the number is easily accessible when customer contact is required.

Operational Features

Simplified EFAS Procedures

In a nonautomated operation, float items are manually analyzed for exception conditions, excessive deposits, and availability schedules. Float is adjusted and notices are produced manually.

EFAS simplifies these operations by analyzing transactions from Infopoint SuperMICR II and/or Infopoint Transaction Gateway (Teller) for exceptions; it then adjusts float amounts and days accordingly. In addition, EFAS generates customer notices for any extended float.

Mandatory Next-day Availability

EFAS automatically extracts the mandatory amount from the account's float amount, giving it next-day availability.

Exception Items

EFAS automatically extends the number of float days for any exception found on an account, if the exception has been selected for processing by the institution's parameters.

Excessive Deposits

EFAS automatically accumulates deposits and extends float on any account with deposits in excess of an excessive deposit cap defined by the institution's parameters.

Reports

The application produces reports daily, including reports on extended float assigned, safeguard orders, notices, and totals.

Application Interface

EFAS is designed to accept a transaction file from Infopoint SuperMICR II and/or Infopoint Transaction Gateway (Teller). EFAS also interfaces with the Deposits DDA Master File to identify exception items. Once processing is complete, a transaction file is generated, which is then processed by Deposits.

Security	Security is a frequent concern with online information. EFAS provides operator security provisions to protect proprietary information and prevent unauthorized access. A daily security log prints that shows the time and description of all safeguard orders, the identity of the person who entered the orders, and all attempted security violations.

Online Features

Safeguard Order New/Maintenance Panels	Safeguard orders are used to extend float on items that can be identified by routing-transit numbers (RTs) as having reasonable cause to be uncollectible. This transaction is provided to set up, maintain, or delete safeguard orders.
Safeguard Order Inquiry Panel	This transaction is used to display safeguard order information.

Reporting Features

Institution Options	All reports can be selected as required by each individual institution processed by the application.
Output Formats	Each report can be produced in hard copy or microfiche or both during the same processing run. Multiple copies of notices can be requested.
Reporting Levels	All reports are printed at the institution level. Through unique report-sorting capabilities, reports are automatically sorted by institution or by branch number.
Total Report	Total reports are automatically sorted by institution or branch number, which saves considerable time.
Maintenance Journal	This report lists all information added, changed, or deleted from the Safeguard Order File and notes the terminal ID, operator ID, and time the transaction was processed.

Processing Phases

EFAS contains six processing phases:

- Institution Control
- Interface
- Safeguard Order and Maintenance Edit
- Posting
- Report Processing
- System Backup/Merge

Institution Control Phase

The Institution Control File must be updated on a daily basis. EFAS automatically updates the processing institution when the batch program EFD020 (Institution Control File Update) is executed. Processing dates are calculated by using the institution holidays stored in MICM Form 00. If any change to the Institution Control File is needed, it must be made during this phase.

Interface Phase

On a daily basis, Infopoint Transaction Gateway (Teller), Infopoint SuperMICR II, and/or Infopoint SuperMICR generates a transaction file that contains deposit and float information. Each day EFAS reads this file to analyze float assignments and make adjustments. Adjustments are made, depending on MICM parameters and/or options set, to accounts:

- To satisfy mandatory next-day availability requirements
- That have had excessive deposits
- That have had a DDA exception invoked

Safeguard Order and Maintenance Edit Phase

EFAS safeguard-order processing is established by CICS/VS transactions. Data entry or display is accomplished through the use of formatted panels using CICS/VS basic mapping support. The EFAS online system is processed in pseudo conversational mode, allowing storage resources to be released while the operator is entering data through the terminal. The basic processing includes:

- Accessing the transaction panel
- Editing the information on the panel
- Logging the information processed
- Updating the Safeguard Order File

Posting Phase

During the posting phase, the Transaction File is read and float is adjusted according to institution parameters. In this phase, information for printing reports and notices is generated and the Transaction File for Deposits is created.

Report Processing Phase

The report processing phase of EFAS is controlled by the options entered through parameters set on MICM Record 0307 (Application System Report Flags). Through this record, institutions can select any available report and sort sequence Report flags include sorting options by institution and by branch. Report and notice information is produced during the posting phase of processing according to the options and flags established. After the report file has been produced, it is sorted; then it is read to generate reports.

System Backup/Merge Phase

EFAS files must be backed up daily after the posting and report phases are complete. The backup program copies the EFAS files to tape without altering the contents of any of the records. The reload program recreates the files exactly as they were backed up. You can request to merge information from different tapes to a VSAM disk file. EFAS uses VSAM deletes to drop obsolete records. In this way, no reorganization should ever be needed.

Output

The output from EFAS consists of:

- Safeguard Order panels
- Abort messages for invalid keyed information or for abnormal conditions detected by the system that will not allow processing to continue
- Transaction File to interface with the Deposits systems various reports and notices

EFAS panels, reports, programs, files, and records are described in the chapters that follow in this guide.

Chapter

3

Application Processing

This chapter is designed to help you with the day-to-day operations of EFAS. It provides suggestions for improving efficiency and answers to frequently asked questions concerning system capabilities. Procedures are presented as how-to instructions. They could take the form of a helpful hint, or they could be a detailed step-by-step explanation of an important feature.

Note: Refer to your Deposits ***Installation Guide*** for specific installation procedures specific to the type of system (MVS or VSE) you use. Refer to the Conversion chapter in this guide for specific conversion procedures.

Safeguard Order Processing

The Safeguard Order processing feature allows an institution to identify deposited items that might be uncollectible. These items are flagged when incoming transactions are processed.

The items are identified by:

- Routing-transit number only
- Routing-transit number and amount
- Routing-transit number and debit account
- Routing-transit number, amount, debit account
- Routing-transit number and credit account
- Routing-transit number amount and credit account
- Routing-transit number, debit account, credit account
- Routing-transit number, amount, debit account, credit account

Note: When the credit account is used, the application code must also be provided.

EFAS processes all transit items against the Safeguard File prior to any other exception processing. The processing options applicable to safeguard order processing can be found on MICM Record 0390 (Regulation CC Bank Parameters). If no float days are specified when setting up the order, the default parameters on this form are used. The number of days to use in calculating the expiration date for the safeguard order is also specified on this MICM Record. Refer to the Application Panels chapter for procedures on setting up safeguard orders.

Exception Processing

EFAS provides exception processing against DDA and Savings Master records for the following conditions:

- New accounts
- High-risk accounts
- Accounts repeatedly overdrawn
- Excessive returns on an account

Processing options for these exception conditions are specified by MICM parameters:

- Record 0393 (EFAS Type Processing Parameters 3) – options for the New Account Code and the Repeat Overdraft Code
- Record 0394 (EFAS Type Processing Parameters 4) – options for the Excessive Returned Check Code and the High-risk Account Code

Specify the processing sequence for these exceptions on MICM Record 0390 (Regulation CC Institution Parameters).

For more information on these forms and field usage, refer to the MICM Panels chapter in the Infopoint MICM ***Procedures Guide***.

Note: All transaction processing is done in the following order:

1. Safeguard orders
2. Master Record exceptions
3. Excessive deposits
4. Mandatory next-day availability

Mandatory Next-day Availability

The mandatory next-day availability feature of EFAS makes funds available to the customer, based on an amount cap set on MICM Record 0391 (EFAS Type Processing Parameters 1). Currently, Regulation CC has set this mandatory amount at $100, but this cap can be set according to an individual institution's policy. However, to be in compliance with the regulation, the cap must be set at a level that matches or exceeds the mandatory amount.

There are seven transaction types defined in EFAS:

1. Limited liability items
2. Local items
3. Nonlocal items
4. Noncontiguous items
5. On-us items
6. Cash
7. Any other noncheck items

Each transaction type is handled individually on MICM Record 0391 (EFAS Type Processing Parameters 1). The institution has the flexibility to set up the processing sequence by transaction type. The maximum dollar amount to consider for each of these types is controlled by MICM. For each type, this dollar amount should be at least the amount required by Regulation CC.

- Nonexception Accounts: For accounts with no exceptions invoked, the EFAS Posting Program (EFD200) processes for mandatory next-day availability at account break, with the processing sequence determined at institution level. Based on the MICM Record 0301 System Option Flag 03 setting, which specifies the type of float to adjust for mandatory next-day availability, EFAS adjusts either the bank or customer float, or it adjusts both the bank and customer float records.

  During processing, if the total of all mandatory next-day availability float and zero-day float assigned is greater than the mandatory next-day availability cap, then no more funds are adjusted for mandatory next-day availability. On the other hand, if this total is less than the mandatory cap, the difference between this total and the cap is the additional amount of funds to be adjusted for next-day availability. This process is done for each transaction type. Float records are adjusted according to the processing schedule, set by transaction type, until the mandatory next-day availability cap amount, specified on MICM Record 0391 (EFAS Type Processing Parameters 1), is satisfied.

- Exception Accounts: If an account is flagged as an exception account, then the mandatory next-day availability processing is done on the item level. There is no consideration given to processing sequence or dollar amounts by type. Float is adjusted immediately until the mandatory next-day availability cap on MICM Record 0391 (EFAS Type Processing Parameters 1), is satisfied.

The Mandatory Availability Adjustments report (34-016) details mandatory next-day availability adjustments by account number. For a detailed description, refer to the Reports chapter of this guide.

Example:

The following deposit transactions and MICM processing settings show mandatory next-day availability processing.

Transactions for account 12345567: No Exceptions Invoked

1. Deposit of $375.00, comprising the following transactions:

   Credit $375.00
   Debit $150.00 local check - 2-day float
   Debit $200.00 nonlocal check - 3-day float
   Debit $ 25.00 local check - 1-day float

2. Deposit of $525.00 comprising the following transactions:

   Credit $525.00
   Debit $ 25.00 local check - 1-day float
   Debit $300.00 local check - 2-day float
   Debit $200.00 nonlocal check - 3-day float

3. MICM Record 0391 Settings

   Mandatory cap set at $100.00

   Processing sequence:

   a. Local
   b. Nonlocal
   c. Noncontiguous
   d. Limited liability
   e. On-us
   f. Noncheck
   g. Cash

   Dollar amounts to be considered for each type:

Local	$100.00
Nonlocal	$100.00
Noncontiguous	$100.00
Limited liability	$ .00
On-us	$ .00
Noncheck	$ .00
Cash	$ .00

Note: Type caps should at least be equal to the amount set in the mandatory next-day availability dollar cap.

4. Total dollars already allocated next-day availability for this account:

   $ 25.00 - local check one-day float
     25.00 - local check one-day float

   $ 50.00

With the cap setting at $100.00, an additional $50.00 would have to be made available for next-day availability.

5. The additional $50.00 needed to satisfy the mandatory requirement is taken from the local category. Daily float records are adjusted until this additional amount is satisfied.

Note: Float adjustments for mandatory next-day availability start with second-day float amounts.

Excessive Deposit Processing

The Excessive Deposit feature allows institutions to assign additional float to those accounts with deposits in excess of a cap amount specified on MICM 0392 (EFAS Type Processing Parameters 2). Currently, Regulation CC has set the excessive deposit cap at $5,000.00. This cap can be set according to an individual institution's policy. However, the cap must be at least the amount specified by Regulation CC.

There are seven transaction types defined in EFAS:

1. Limited liability items
2. Local items
3. Nonlocal items
4. Noncontiguous items
5. On-us items
6. Cash
7. Any other noncheck items

Each transaction type is handled individually on MICM Record 0392 (EFAS Type Processing Parameters 2). Each institution has the flexibility to specify the processing sequence and the excessive deposit amount to consider for each transaction type. If the deposit total for the type is greater than the dollar cap specified for the type, only monies in excess of the type cap are considered in the excessive deposit calculation. The increment for bank and customer float is also specified by transaction type. If the account processed has excessive deposits for the day, then additional float can be assigned.

The EFAS Posting program (EFD200) processes for excessive deposits at account break, with the processing sequence determined at the institution level. The application totals all float assigned for all transaction types, including zero-day float if MICM Record 0301 System Option Flag 05, which specifies if zero-day float dollars are to be included in the calculation, is set to 'Y'. If MICM Record 0301 System Option Flag 07, which specifies whether limited liability float assigned only applies to a new account exception, is set to 'Y', the total float dollars for the limited liability category are not figured in the excessive-deposit total amount unless the account processed has a new account exception invoked. (Refer to the MICM Parameters chapter in this guide for more details.)

If this total calculated float for all deposits is greater than the deposit cap specified on MICM Record 0392 (EFAS Type Processing Parameters 2), the difference between this total and the cap is the excess dollar amount assigned additional float. Based on the MICM Record 0301 System Option Flag 04 setting, which specifies the type of float to adjust for excessive deposit processing, EFAS adjusts either the bank or customer, or it adjusts both the bank and customer float records. Float records are adjusted according to the processing schedule set by transaction type until float for the excessive deposit amount has been allocated. If the account has already had an exception invoked, excessive deposit processing is bypassed.

Example:

The following deposit transactions and MICM processing settings show excessive deposit processing:

Transactions for account 12345567

1. Deposit of $4000.00, comprising the following transactions:

   Credit $4000.00
   Debit $1500.00 local check - 2-day float
   Debit $2000.00 nonlocal check - 3-day float
   Debit $ 250.00 treasury check - limited liability
   Debit $ 250.00 cash deposited - limited liability

2. Deposit of $6,000.00 comprising the following transactions:

   Credit $6000.00
   Debit $1000.00 cashier's check - limited liability
   Debit $3000.00 local check - 2-day float
   Debit $2000.00 nonlocal - 3-day float

3. MICM Record 0392 Settings:

   Mandatory cap set at $5000.00

   Processing sequence:

   a. Local
   b. Nonlocal
   c. Noncontiguous
   d. On-us
   e. Limited liability
   f. Noncheck
   g. Cash

   Dollar amounts by transaction type

Local	.00
Nonlocal	.00
Noncontiguous	.00
Limited liability	99999999
On-us	99999999
Noncheck	99999999
Cash	99999999

These settings mean that all float for local, nonlocal, and noncontiguous deposits are figured in the excessive deposit calculation. On the other hand, '99999999' means not to consider the category at all, so limited liability items, on-us checks, noncheck items, and cash are not considered in the calculation.

4. Total deposits calculated for excessive deposit processing is:

Local	$4500.00	
Nonlocal	4000.00	
Lim. liab.	-0-	(maximum set at 999999999, not to be considered)
	$8500.00	

With the cap setting at $5000.00, $3,500.00 can have additional float assigned.

5. Daily float records are adjusted until this additional float amount of $3,500.00 is allocated. These float adjustments are reflected on the Increased Float Report (34-010).

Exception Descriptions

EFAS allows institutions to customize notices to the customer with the exception reason for any exception invoked on an item basis. These exceptions descriptions must be set up on MICM Record 0395 (Regulation CC Exception Description).

EFAS provides up to 999 exception reason descriptions per institution. Descriptions reserved for system use are reason codes 990 through 999. Currently, the following exception descriptions are in use.

Report All Float (998)

This means that all float allocated is reported on the Increased Float report (34-010). The Notice Print field on MICM Record 0391 (EFAS Type Processing Parameters 1) is set to 'Y'.

Additional Float Assigned by Infopoint Transaction Gateway (Teller) (999)

This is the notice reason used when a duplicate notice is generated. The Duplicate Notice field on MICM Record 0391 (EFAS Type Processing Parameters 1) is set to 'Y' and the WS-NOTICEIND field on the transaction processed is set to 'Y'. This indicates that the customer may have received a notice at the teller station, and EFAS should generate a duplicate.

These two exception descriptions must be set up on MICM Record 0395 (Regulation CC Exception Description) for any institution using the Safeguard Order File, including institution 0000.

Chapter

4

Application Panels

EFAS panels are designed to allow easy data entry. In many cases, you can enter new information or maintain existing information using the same panel. If a panel is for inquiry only, all fields are protected.

There are four types of online panels in EFAS:

Key Panels Used to access to a primary panel.

Selection Panels Used to specify the criteria that determine the range of data that appears on the primary panel.

Primary Panels Used for entering new data, maintaining existing data, or displaying existing data.

Help Panels Gives further information about the field or panel selected.

This chapter describes each type of panel. The primary panels are described in alphabetical order, according to the panel IDs. (A list of primary panel IDs can be found on the Primary Panel ID Table provided in this chapter.) For easy reference, field descriptions are listed in panel order according to the sample provided. Each primary panel contains the following information.

Purpose Describes the purpose of the panel.

Sample Shows a sample of each key panel and primary panel.

Field Descriptions Lists field names, associated descriptions, and field requirements.

In addition, this chapter includes information on the following:

- Accessing Primary Panels
- Function Keys
- Format for Primary Panels
- Format for Field Descriptions
- Primary Panel ID Table

Key Panels

Key panels prompt you to enter key parameter information. Entries in the key panel determine what is displayed on the primary panel. For example, the key panel for EFSAFG has Function, Routing/Transit, and Sequence Number fields. These fields determine which account information is displayed on the primary panel that follows. After entering data on the key panel, the primary panel returns with these key fields protected.

```
EFSAFG    DPOPER       Safeguard Order New/Maintenance    001   01-26-2001

Enter the following key parameters:

 Function . . . . . .  m             M: Maintenance Safeguard
                                        N: Add New Safeguard Order

 Routing/Transit  . .  063144444     Bank Routing/Transit Number

 Sequence Number . . . 0001          1-9999 (Valid only if Function is `M')









Command====> EFSAFG,,000000000,0000,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

Sample Key Panel

Note: The key data information is included on the Primary Panel ID Table under Key Fields and before each panel sample in this chapter. The key panel varies depending on the parameters required for the panel ID entered.

If the online transaction has required fields, you must supply values for these fields. Type in the correct values and press [Enter].

The information you enter in the key panel displays in protected fields on the (primary) panel. Entries in the key panel determine what will display on the primary panel. For example, the key panel for a panel used for establishing or maintaining information has a Function field with a choice of **N** (new) or **M** (maintenance). Your entry of **N** or **M** determines which fields are required.

Selection Panels

Selection panels are used to specify the function to be performed and to select the criteria that determine the type and/or range of data that appears on the primary panel. For example, the following selection panel allows you to determine the effective date range displayed on the primary panel.

```
EFSAFGI   DPOPER        Safeguard Order Inquiry Selection     001 1-26-2001

Routing Number . . . . . . . 063144444


Sequence Number. . . (From) ____                 (To)    ____
Debit Account  . . . (Low)  ____________________ (High)  ____________________
Debit Amount . . . . (Low)  ___________          (High)  ___________
Credit Application . . . .  ___
Credit Account . . . (Low)  ____________________ (High)  ____________________
Start Date . . . . . (From) __ __ ____           (To)    __ __ ____
Expiration Date  . . (From) __ __ ____           (To)    __ __ ____
Notice Code  . . . . . . .  ___









Command====> EFSAFGI,,000000000,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

Sample Selection Panel

Primary Panels

Primary panels are used for adding new information or maintaining and/or inquiring on existing information. A sample of each primary panel and a description of each field on the panel are included in this chapter. In addition, refer to the Primary Panel ID Table in this chapter for a list of the panel IDs.

```
EFSAFG    DPOPER         Safeguard Order New/Maintenance   001   01-26-2001

Func: M    Routing-Number: 063144444   Sequence Nbr: 0001

Employee Identification  . . . . . . . MURLO01
Debit Amount . . . . . . . . . . . . . 13.56
Debit Account Number . . . . . . . . . 8080979
Credit Account Number  . . . . . . . . 1249786
Credit Application . . . . . . . . . . DDA
Notice Description Code (NTC)  . . . . 002
Comment  . . . . . . . . . . . . . . . RT NUMBER 1 - CHANGED

Bank Float Limit Liability (BFLL)  . . 02
Bank Float (BF)  . . . . . . . . . . . 03
Customer Float Limit Liability (CFLL)  04
Customer Float (CF). . . . . . . . . . 03
Start Date . . . . . . . . . . . . . . 01 26 2001
Expiration Date  . . . . . . . . . . . 01 29 2002
Delete . . . . . . . . . . . . . . . .


Command====> EFSAFG,M,063144444,0001,
F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel
```

Sample Primary Panel

Help Panels

EFAS offers help panels at 2 levels:

- Panel-level help
- Field-level help

Panel-level Help

You can display a help panel that describes the function of a primary panel by pressing [F1] while the cursor is anywhere on the panel *except* on a field. For example, when a primary inquiry panel appears, the cursor is in the Command line of the panel and you can press [F1] immediately. However, when a primary maintenance panel appears, the cursor is in the first enterable field. In this case, be sure to move the cursor out of the field before you press [F1]. Press [F12] to exit the panel-level help. A sample of panel-level help follows:

```
EFSAFG    DPOPER         Safeguard Order New/Maintenance      001   10-16-2000

 Func: .....................................................................
       :                                                                   :
 Emplo :  EFSAFG    Safeguard Order New/Maintenance - Help                 :
 Debit :                                                                   :
 Debit :  This is used to create and maintain safeguard orders             :
 Credi :  which identify deposited items that might be uncollectable.      :
 Credi :                                                                   :
 Notic :                                                                   :
 Comme :                                                                   :
       :                                                                   :
 Bank  :                                                                   :
 Bank  :                                                                   :
 Custo :                                                                   :
 Custo :                                                                   :
 Start :                                                                   :
 Expir :                                                                   :
 Delet :                                                                   :
       :  F12=Cancel                                          EFV010H     :
       :...........................................................................
 Command====> EFSAFG,M,1212,1,
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel
```

Panel-level Help

Field-level Help

You can display field-level help by placing the cursor *on* the field value you want explained and pressing [F1]. The field-level help panel appears with a description of the field, and, if applicable, the valid entries for the field. Press [F12] to exit the field-level help. A sample of field-level help follows:

```
EFSAFG    DPOPER         Safeguard Order New/Maintenance      001   10-16-2000
      .............................................................
 Func: :                                                            :
       :                Debit Account Number - Help                :
 Emplo :                                                            :
 Debit :  Number of the account the check was written on.           :
 Debit :  (debit account).                                          :
 Credi :                                                            :
 Credi :                                                            :
 Notic :  F12=Cancel                                      SAF004D   :
 Comme :                                                            :
       :............................................................:
 Bank Float Limit Liability (BFLL)  . . 12
 Bank Float (BF)  . . . . . . . . . . . 34
 Customer Float Limit Liabiltiy (CFLL)  56
 Customer Float (CF). . . . . . . . . . 78
 Start Date . . . . . . . . . . . . . . 08 02 2000
 Expiration Date  . . . . . . . . . . . 08 12 2000
 Delete . . . . . . . . . . . . . . . .


 Command====> EFSAFG,M,1212,1,
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel
```

Field-level Help

Accessing Primary Panels

There are 3 ways to access primary panels: menu access, Command line access using the key panel, and Command line access bypassing the key panel.

Menu Access

The following is an example of accessing a primary panel using the EFAS Menu.

```
MENU      DPOPER   Infopoint Institution One                  0001 10-16-2000

EFAS Menu
               Panel ID             Panel Name
            1  EFSAFG     Safeguard Order New/Maintenance
            2  EFSAFGI    Safeguard Order Inquiry









Command====>
F1=Help   F3=Exit   F5=Refresh   F12=Cancel
```

MENU - EFAS Menu

1. At the EFAS Menu, type **1** on the Command line and press [Enter]. The Safeguard Order New/Maintenance key panel appears.

```
 EFSAFG    DPOPER       Safeguard Order New/Maintenance    001   01-26-2001

Enter the following key parameters:

 Function . . . . . .  m             M: Maintenance Safeguard
                                        N: Add New Safeguard Order

 Routing/Transit  . .  063144444     Bank Routing/Transit Number

 Sequence Number . . . 0001          1-9999 (Valid only if Function is `M')









Command====> EFSAFG,,000000000,0000,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

EFSAFG - Safeguard Order New/Maintenance Key Panel

2. Enter the applicable data on the key panel and press [Enter]. The Safeguard Order New/Maintenance primary panel appears.

```
EFSAFG    DPOPER         Safeguard Order New/Maintenance   001   01-26-2001

 Func: M    Routing-Number: 063144444   Sequence Nbr: 0001

 Employee Identification  . . . . . . . MURLO01
 Debit Amount . . . . . . . . . . . . . 13.56
 Debit Account Number . . . . . . . . . 8080979
 Credit Account Number  . . . . . . . . 1249786
 Credit Application . . . . . . . . . . DDA
 Notice Description Code (NTC)  . . . . 002
 Comment  . . . . . . . . . . . . . . . RT NUMBER 1 - CHANGED

 Bank Float Limit Liability (BFLL)  . . 02
 Bank Float (BF)  . . . . . . . . . . . 03
 Customer Float Limit Liability (CFLL)  04
 Customer Float (CF). . . . . . . . . . 03
 Start Date . . . . . . . . . . . . . . 01 26 2001
 Expiration Date  . . . . . . . . . . . 01 29 2002
 Delete . . . . . . . . . . . . . . . .


 Command====> EFSAFG,M,063144444,0001,
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel
```

EFSAFG - Safeguard Order New/Maintenance Primary Panel

Command Line Access Using Key Panel

1. Type **efsafg** on the Command line and press [Enter]. The key panel appears. (Refer to the sample provided in the Menu Access section.)
2. Enter applicable key data on the key panel and press [Enter]. The primary panel appears. (Refer to the sample provided in the Menu Access section.)

Command Line Access Bypassing Key Panel

1. Type **efsafg** followed by the applicable key data on the Command line. For example:

   efsafg,m,063144444,0001,

2. Press [Enter]. The primary panel appears. (Refer to the sample provided in the Menu Access section.)

Function Keys

EFAS allows you to use function keys (PF keys, for keyboards containing them) to assist you in moving from panel to panel. Function keys can be used from most panels within the application. The function keys available for a panel display at the bottom of each panel.

You can enter either a function key or an alphanumeric value (word listed next to the key). Because the function keys standard for the EFAS application could already be designated for some other purpose in your system, they can be customized to meet your needs.

The following alphanumeric values are defined for EFAS. A standard MICM COBOL copybook (SRW710) is provided for you to change these alphanumeric values.

(F1) – Help	Display online help information for the current field or panel (determined by cursor location).
(F2) – Begin	Update and return to the originating transaction. If a work unit name is present, load the work unit name into the next key area and return.
(F3) – Exit	Update and return to the selection panel. If the breakaway function is invoked, you are returned to the original session.
(F4) – Next	Update and go to the next transaction (specified on the Command line).
(F5) – Refresh	Restore panel to the original values prior to maintenance.
(F7) – Backward	Update and move back to the previous panel.
(F8) – Forward	Update and move ahead to the next panel.
(F9) – Edit	Edit the panel without updating.
(F11) – Break	Invoke the breakaway function.
(F12) – Cancel	Do not update; return to menu panel. If the breakaway function is invoked, you are returned to the original session. From a help panel, you are returned to the original panel.
(F13) – Select	Return to selection panel or select item (based on cursor position).
(F15) – (F24)	Function determined by user.
(PA1) – (PA2)	Function determined by user.

(Enter) – Enter	Update and go to the next panel.
(Clear) – Exit	Do *not* update; return to the menu panel.

Format for Panels

Most panels consist of 4 areas:

1. The first area of the panel consists of the top 2 lines. The first line contains the panel ID, operator ID, panel title, institution number, and current date. The second line may contain the indicator MORE - + at the right side of the panel. When there are additional panels of information to view, a plus (+) appears after the word MORE. Press [F8] to page forward. Likewise, a minus (-) next to the MORE indicates there are no further panels to view. Use [F7] to page backward.
2. The second area consists of key information required by the application.
3. The third area consists of the remaining field headings and associated data. The area is unprotected, except on inquiry panels. Some fields are required, while others are optional or calculated. When you enter numbers, you do not need to press the numeric key. Most optional numeric fields default to zeros; optional alphanumeric fields default to spaces.
4. The fourth area consists of the message line, command line, and function keys generated by the application.

When the application finds an error, it highlights the associated field and the cursor moves to the first field containing an error. For example, a field is incorrect if it is defined as numeric but was entered as a nonnumeric character, or if the input data does not correspond to the information in the table used for verification. A key field returns an error if you attempt to create a transaction for an existing record or if you try to update a transaction for a record that does not exist. Refer to the individual key field descriptions for other error possibilities.

Format for Field Descriptions

The documentation associated with each panel shows field names in panel order with descriptions and values, and it indicates whether the field is alphanumeric or numeric. In addition, field positions, requirements (required, optional, or protected), and the Field ID are shown.

Field requirements indicate if the field is a required, optional, or protected field. These types are defined as follows:

Required A field in which you must make an entry in order to successfully process the transaction.

Optional A field in which an entry can be made at your discretion.

Protected A field for which an entry is supplied by the application. You cannot enter information in a protected field.

The Field ID is synonymous with the Record Keys defined in the MICM Application Management Table. In most cases, the Field ID prefixed with 'H' is also the same name used for the help panel for the field. The Field ID is made up of three distinct areas:

Record ID The first 3 characters of the Field ID indicate the source or destination record of the data in that field. Those Field IDs that have a Record ID of 'XXX' do not have a corresponding field in the API records nor are they defined in the Application Management Table. Such Field IDs are used exclusively for help panels and the documentation.

Field Number The second 3 characters are the field's position within the API record.

Application Code The last character is always 'D', designating the application as Deposits.

Note: Refer to Application Management Table File of the Infopoint MICM ***Reference Guide*** for a complete description of these data items.

Primary Panel ID Table

The table below lists the primary panel IDs and key fields that allow you to access the online panels for EFAS. Online transactions are listed alphabetically according to the panel ID. If your data center has changed the panel IDs for any EFAS panels, write them in the (user-defined) space provided.

Note: The internal transaction code for all EFAS panels is DP00.

Panel ID	Panel Name	Key Fields	User-defined
EFSAFG	Safeguard Order New/ Maintenance	Function, Routing Number, Sequence Number	
EFSAFGI	Safeguard Order Inquiry	Safeguard Search Fields	

Primary Panel Descriptions

This section describes the primary panels in alphabetical order, according to the panel ID. In addition, a sample of each panel is provided.

EFSAFG – Safeguard Order New/Maintenance

Purpose

This is used to create and maintain safeguard orders, which identify deposited items that might be uncollectible.

Key Panel

```
EFSAFG    DPOPER       Safeguard Order New/Maintenance    001   01-26-2001

Enter the following key parameters:

 Function . . . . . .  m             M: Maintenance Safeguard
                                        N: Add New Safeguard Order

 Routing/Transit  . .  063144444     Bank Routing/Transit Number

 Sequence Number . . . 0001          1-9999 (Valid only if Function is `M')









Command====> EFSAFG,,000000000,0000,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

EFSAFG – Safeguard Order New/Maintenance

Field Descriptions

Function

Function. Action to perform on the panel. Valid entries are:

M Maintain existing record.

N Create new record.

Alphanumeric, 1 position, required.

Routing/Transit

Routing/Transit Number. Routing-transit number of the institution defined.
Alphanumeric, 1 position, required, FLS SAF002D.

Sequence Number

Sequence Number. Sequence number of the safeguard order. System-assigned number when a safeguard order is created.
Alphanumeric, 1 position, FLS SAF003D.

Primary Panel

```
EFSAFG    DPOPER         Safeguard Order New/Maintenance   001   01-26-2001

 Func: M    Routing-Number: 063144444   Sequence Nbr: 0001

 Employee Identification  . . . . . . . MURLO01
 Debit Amount . . . . . . . . . . . . . 13.56
 Debit Account Number . . . . . . . . . 8080979
 Credit Account Number  . . . . . . . . 1249786
 Credit Application . . . . . . . . . . DDA
 Notice Description Code (NTC)  . . . . 002
 Comment  . . . . . . . . . . . . . . . RT NUMBER 1 - CHANGED

 Bank Float Limit Liability (BFLL)  . . 02
 Bank Float (BF)  . . . . . . . . . . . 03
 Customer Float Limit Liability (CFLL)  04
 Customer Float (CF). . . . . . . . . . 03
 Start Date . . . . . . . . . . . . . . 01 26 2001
 Expiration Date  . . . . . . . . . . . 01 29 2002
 Delete . . . . . . . . . . . . . . . .


 Command====> EFSAFG,M,063144444,0001,
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel
```

EFSAFG – Safeguard Order New/Maintenance

Employee Identification

Employee Identification. Identification of the employee entering the safeguard order.
Alphanumeric, 10 positions, required for new transactions only, FLS SAF016D.

Debit Amount

Debit Amount. Amount of the debit.
Numeric, 16 positions, optional, FLS SAF005D.

Debit Account Number

Debit Account Number. Number of the account on which the check was written (debit account).
Numeric, 18 positions, optional, FLS SAF004D.

Credit Account Number

Credit Account Number. Number of the account in which the check was deposited (credit account).
Numeric, 18 positions, optional, FLS SAF007D.

Credit Application

Depositor's Application Number.
Alphanumeric, 3 positions, optional, FLS SAF006D.

Notice Description Code (NTC)

Notice Description Code. Description to print on the notice from MICM Record 0395 (Regulation CC Exception Description).
Numeric, 3 positions, required for new transactions only, FLS SAF014D.

Comment

Institution's Comment.
Alphanumeric, 22 positions, optional, FLS SAF015D.

Bank Float Limit Liability (BFLL)

Bank-float Limit Liability. Number of bank float days for limited liability items.
Numeric, 2 positions, optional, FLS SAF010D.

Bank Float (BF)	Bank Float. Number of bank float days for all other items. *Numeric, 2 positions, optional, FLS SAF012D.*
Customer Float Limit Liability (CFLL)	Customer Float Limit Liability. Number of customer float days for limited liability items. *Numeric, 2 positions, optional, FLS SAF011D.*
Customer Float (CF)	Customer Float. Number of customer float days for all other items. *Numeric, 2 positions, optional, FLS SAF013D.*
Start Date	Start Date. Starting date of the safeguard order. *Alphanumeric, 6 positions, optional, FLS SAF008D.*
Expiration Date	Expiration Date. Expiration date of the safeguard order, which will be automatically calculated by the system using today's date and the safeguard days specified on MICM Record 0390 (Regulation CC Bank Parameters). *Alphanumeric, 6 positions, optional, FLS SAF009D.*
Delete	Delete Function. Enter **D** to delete a safeguard order. *Numeric, 1 position, optional for maintenance transactions only, FLS SAF017D.*

EFSAFGI – Safeguard Order Inquiry

There are 2 EFSAFGI panels:

- Safeguard Order Inquiry Selection
- Safeguard Order Inquiry

You enter the safeguard order selection criteria on the selection panel, and the selected safeguard orders display on the primary panel. Criteria you can display safeguard orders by include:

- The routing-transit number of the institution (this is the minimum amount of information needed for an inquiry)
- A range of sequence numbers (sequence numbers are assigned by the system when you set up a safeguard order)
- A range of debit or credit account numbers (checks are written from debit accounts and deposited in credit accounts)
- A range of debit amounts
- The credit account application code
- A range of starting or expiration dates (dates are assigned when you set up a safeguard order)
- The notice description code

Selection Panel

```
EFSAFGI   DPOPER        Safeguard Order Inquiry Selection  001   01-26-2001

Routing Number . . . . . . . 063144444


Sequence Number. . . (From) ____                (To)    ____
Debit Account  . . . (Low)  ____________________ (High)  ____________________
Debit Amount . . . . (Low)  ___________          (High)  ___________
Credit Application . . . .  ___
Credit Account . . . (Low)  ____________________ (High)  ____________________
Start Date . . . . . (From) __ __ ____          (To)    __ __ ____
Expiration Date  . . (From) __ __ ____          (To)    __ __ ____
Notice Code  . . . . . . .  ___









Command====> EFSAFGI,,000000000,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

EFSAFGI - Safeguard Order Inquiry Selection

Field Descriptions

Routing Number	Routing Number. Routing-transit number of the institution defined. *Numeric, 9 positions, required, FLS XXX181D.*
Sequence Number (From)	From Sequence Number. Lowest safeguard order sequence number for the range selected. *Numeric, 4 positions, optional, FLS XXX182D.*
Sequence Number (To)	To Sequence Number. Highest safeguard order sequence number for the range selected. *Numeric, 4 positions, optional, FLS XXX183D.*
Debit Account (Low)	Low Debit Account Number. Lowest debit account number for the range selected. *Numeric, 18 positions, optional, FLS XXX184D.*
Debit Account (High)	High Debit Account Number. Highest debit account number for the range selected. *Numeric, 18 positions, optional, FLS XXX185D.*
Debit Amount (Low)	Low Debit Amount. Lowest amount (in whole dollars) to search in the debit account. *Numeric, 13 positions, optional, FLS XXX186D.*
Debit Amount (High)	High Debit Amount. Highest amount (in whole dollars) to search in the debit account. *Numeric, 18 positions, optional, FLS XXX187D.*
Credit Application	Credit Application Code. Application code of the credit account. *Numeric, 3 positions, optional, FLS XXX188D.*
Credit Account (Low)	Low Credit Account Number. Lowest credit account number in the range to search. *Numeric, 18 positions, optional, FLS XXX189D.*
Credit Account (High)	High Credit Account Number. Highest credit account number in the range to search. *Numeric, 18 positions, optional, FLS XXX190D.*
Start Date (From)	From Start Date. Earliest starting date in the range to search. *Alphanumeric, 6 positions, optional, FLS XXX191D.*
Start Date (To)	To Start Date. Latest starting date in the range to search. *Alphanumeric, 6 positions, optional, FLS XXX192D.*
Expiration Date (From)	From Expiration Date. Earliest expiration date in the range to search. *Alphanumeric, 6 positions, optional, FLS XXX193D.*

Expiration Date (To)

To Expiration Date. Latest expiration date in the range to search.
Alphanumeric, 6 positions, optional, FLS XXX194D.

Notice Code

Notice Code. Notice description code to search. These descriptions are set on MICM Record 0395 (Regulation CC Exception Description).
Numeric, 3 positions, optional, FLS XXX195D.

Primary Panel

The Safeguard Order Inquiry panel displays with information selected by search criteria entered on the selection panel. It is for inquiry only; all fields are protected. If the range of information you request spans several pages, locate the information you need and end the display by pressing [F3]. If the criteria you select does not match any safeguard orders, an output panel with only headings appears. Press [F3] to redisplay the selection panel.

```
EFSAFGI   DPOPER             Safeguard Order Inquiry       001   01-26-2001

 Routing Transit: 063144444

 Seq        Debit Account        Debit Amount        Appl       Credit Account
 Start-Date   Expire-Date  LmtBk  LmtCS  Bk  Cs  Notc         User Information

0001              8080979              13.56         DDA              1249786
01-26-2001     01-29-2001    02     04   03  05   002   RT NUMBER 1 - CHANGED

0002             87978997              13.13         DDA              1343555
01-26-2001     01-29-2001    02     03   02  03   002   RT NUMBER 2

0003                  898              14.15                                0
01-26-2001     10-06-2001    01     01   02  02   001   RT NUMBER 3









Command====> EFSAFGI,,063144444,
F1=Help   F3=Exit   F4=Next   F11=Break   F12=Cancel
```

EFSAFGI - Safeguard Order Inquiry

Field Descriptions

Routing Transit

Routing/Transit Number. Routing-transit number of the institution defined.
Numeric, 9 positions, protected, FLS SAF002D.

Seq

Sequence Number. Sequence number of the safeguard order. System-assigned number when a safeguard order is created.
Numeric, 4 positions, protected, FLS SAF003D.

Debit Account

Debit Account Number. Number of the account on which the check was written (debit account).
Numeric, 18 positions, protected, FLS SAF004D.

Debit Amount

Debit Amount. Amount of the debit.
Numeric, 18 positions, protected, FLS SAF005D.

Appl	Credit Application. Depositor's application number. *Numeric, 3 positions, protected, FLS SAF006D.*
Credit Account	Credit Account Number. Number of the account in which the check was deposited (credit account). *Numeric, 18 positions, protected, FLS SAF007D.*
Start-Date	Start Date. Starting date of the safeguard order. *Alphanumeric, 6 positions, protected, FLS SAF008D.*
Expire-Date	Expiration Date. Expiration date of the safeguard order, which will be automatically calculated by the system using today's date and the safeguard days specified on MICM Record 0390 (Regulation CC Bank Parameters). *Alphanumeric, 6 positions, protected, FLS SAF009D.*
LmtBk	Bank Float Limited Liability. Number of bank float days for limited liability items. *Numeric, 2 positions, protected, FLS SAF010D.*
LmtCS	Customer Float Limited Liability. Number of customer float days for limited liability items. *Numeric, 2 positions, protected, FLS SAF011D.*
Bk	Bank Float. Number of bank float days for all other items. *Numeric, 2 positions, protected, FLS SAF012D.*
Cs	Customer Float. Number of customer float days for all other items. *Numeric, 2 positions, protected, FLS SAF013D.*
Notc	Notice Description Code. Notice descriptions set on MICM Record 0395 (Regulation CC Exception Description) and print on notices to customers. *Numeric, 3 positions, protected, FLS SAF014D.*
User Information	Comment. Institution's comment. *Alphanumeric, 22 positions, protected, FLS SAF015D.*

Chapter

5

MICM Parameters

This chapter is designed to help you set up system parameters required for EFAS. The chapter includes procedures that are instructions in either the form of a brief helpful hint or a detailed step-by-step explanation of an important system feature.

Note: Refer to the Conversion chapter of this guide for a complete list of the MICM forms required for the total processing of EFAS.

Option/Report Flags – MICM Records 0301 and 0307

The following flags are found on the Master Information and Control Manager (MICM) records 0301 and 0307. All applications use these records; however, the flags described here are unique to EFAS.

MICM Record 0301

MICM Record 0301 contains the Application System Option Flags that give your institution additional processing and printing options within EFAS.

Use MICM Panel/Batch Form 0301 to set up and maintain these options.

MICM Record 0307

MICM Record 0307 contains the Application System Report Flags that give your institution the print/fiche options required by the EFD340 (Reports File Sort) program. The flags can also be used to further define the sort sequence for each report.

Use MICM Panel/Batch Form 0307 to set up and maintain these options.

Setting Up MICM Record 0301

The following information outlines setting up MICM Record 0301. Both online and batch requirements are described.

Online Requirements

1. Access MICM panel 0301.
2. If you are creating a new record, fill in the shaded fields shown on the form sample below. If you are maintaining an existing record change the applicable fields. (During maintenance, all information specific to the record you are updating has been filled in by the system.)

   The description, as well as the valid entries for Application System Options Flags is specific to each Infopoint system. Therefore, refer to the table below for the flag information related to EFAS.

   Note: The Delete code is used only for maintenance. Valid entries are:
   - **b** Keep this record.
   - **D** Delete this record.

   Application is always **34**.

```
0301      DPOPER3       Application System Option Flags       0001  01-03-2001

                                                                    Delete _

 Application Nbr: 34

 Option Flags 01 - 100
 ================================================================================

 01 D    02 C    03 A    04 A    05 Y    06 A    07 Y    08 _    09 _    10 _
 11 _    12 _    13 _    14 _    15 _    16 _    17 _    18 _    19 _    20 _
 21 _    22 _    23 _    24 _    25 _    26 _    27 _    28 _    29 _    30 _
 31 _    32 _    33 _    34 _    35 _    36 _    37 _    38 _    39 _    40 _
 41 _    42 _    43 _    44 _    45 _    46 _    47 _    48 _    49 _    50 _
 51 _    52 _    53 _    54 _    55 _    56 _    57 _    58 _    59 _    60 _
 61 _    62 _    63 _    64 _    65 _    66 _    67 _    68 _    69 _    70 _
 71 _    72 _    73 _    74 _    75 _    76 _    77 _    78 _    79 _    80 _
 81 _    82 _    83 _    84 _    85 _    86 _    87 _    88 _    89 _    90 _
 91 _    92 _    93 _    94 _    95 _    96 _    97 _    98 _    99 _   100 _


 Command===> 0301,B,34
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel   F13=Select
 F14=Copy
```

0301 – Application System Option Flags

Flag	Description
01	Specifies the processing order for the institution. Valid entries are: **C** Credits processed first. **D** Debits processed first.
02	Specifies type of float for which a Notice of Extended Float is produced. Valid entries are: **B** Produce a notice based on bank float. **C** Produce a notice based on customer float. **D** Produce a notice based on the NSF Option from Deposits.
03	Specifies type of float to adjust for mandatory next-day availability processing. Valid entries are: **A** Adjust both bank and customer float. **B** Adjust bank float. **C** Adjust customer float. **D** Adjust float based on the NSF Option from Deposits.
04	Specifies type of float to adjust for the excessive deposit exception. Valid entries are: **A** Adjust bank and customer float. **B** Adjust bank float. **C** Adjust customer float. **D** Adjust float based on the NSF Option from Deposits.
05	Specifies whether or not to use zero-day float items in the calculation of the excessive deposits amount (includes transaction types 5, 6, and 7). Valid entries are: **N** Do not include zero-day float items. **Y** Include zero-day float items.
06	Specifies type of float to adjust for DDA exceptions. Valid entries are: **A** Adjust bank and customer float. **B** Adjust bank float. **C** Adjust customer float. **D** Adjust float based on the NSF Option from Deposits.
07	Specifies whether the limited liability category cap for excessive deposit exceptions applies to the new account exception only. Valid entries are: **N** Applies to all exceptions. **Y** Applies to new account exception only.

Setting Up MICM Record 0307

The following information outlines setting up MICM Record 0307. Both online and batch requirements are described.

Online Requirements

1. Access MICM panel 0307.
2. If you are creating a new record, fill in the shaded fields shown on the form sample below. If you are maintaining an existing record change the applicable fields. (During maintenance, all information specific to the record you are updating has been filled in by the system.)

   Note: The Delete code is used only for maintenance. Valid entries are:
   b Keep this record.
   D Delete this record.

   Application is always **34**.

```
0307      DPOPER3       Application System Report Flags       0001  01-03-2001

                                                                    Delete _
 Application Nbr: 34             Record Number  : 1


 Nbr Sort Form Print       Nbr Sort Form Print       Nbr Sort Form Print
   1  00        0           2  00        0           3  00        0
   4  00   A    1           5  00        0           6  00        0
   7  00        0           8  00        0           9  00        0
  10  00   A    1          11  00   A    1          12  00   A    1
  13  00   A    1          14  00   A    1          15  00   A    1
  16  00   A    1          17  00        0          18  00        0
  19  00        0          20  00        0


 Command===> 0307,B,34,1
 F1=Help   F3=Exit   F4=Next   F9=Edit   F11=Break   F12=Cancel   F13=Select
 F14=Copy
```

0307 – Application System Report Flags

3. Records. Each record stores data for a specific range of report numbers. The range of numbers correspond to a numeric ID given to the report. For example, data for 04-085 (Rent Security Exception Report) would be entered in Record 1. A maximum of nine records can be created. Valid entries are:
   1 Reports 01 - 20.
   2 Reports 21 - 40.
   3 Reports 41 - 60.
   4 Reports 61 - 80.
   5 Reports 81 - 100.
   6 Reports 101 - 120.
   7 Reports 121 - 140.
   8 Reports 141 - 160.
   9 Reports 161 - 163.

4. Report Flags 01 - 20. Each five-position report flag is a combination of three elements:
   - Sort Sequence (two positions)
   - Form Code (two positions)
   - Print/Fiche Code (one position)

Sort Sequence (Positions 1 and 2)

The default sort sequence for EFAS is by institution and statement key sort (enter zeros). To further define the sort sequence, use the following valid entries. Multiple values can be selected for each position.

Position 1

Valid entries for position 1:

1 Holding company.
2 Page break after branch total.
4 Region.
8 Branch.

Position 2

Valid entries for position 2:

1 Type/group.
2 Officer/division.
4 Customer.
8 Page break after type totals, or after officer totals if type totals are not taken. Indicated group totals for activity recaps.

When multiple values are selected, add the values per position. If the sum is greater than 9, use the following coding convention:

10 **A**	16 **G**	22 **M**	28 **S**
11 **B**	17 **H**	23 **N**	29 **T**
12 **C**	18 **I**	24 **O**	30 **U**
13 **D**	19 **J**	25 **P**	31 **V**
14 **E**	20 **K**	26 **Q**	
15 **F**	21 **L**	27 **R**	

Example: The Sort Sequence Option for institution, region, and branch is calculated as follows:

Position 1: Region ‘4’ plus Branch ‘8’ equals ‘12’ or **C**.
Position 2: Type ‘1’ plus customer ‘4’ equals 5.

The sort sequence is entered as **C5**.

Form Code (Positions 3 and 4)

This user-defined code specifies the form that is used for printed reports. You should consult your data center before adding or changing this code. A character other than **A** through **K** in the third position with any character in the fourth position directs the reports to be printed on the standard printer, PRINTR. The reports can be directed to alternate printers, by placing any character in the fourth position with one of the following characters, in the third position.

b	Reports are not printed on disk.
A – J	Reports are sent to printers A through J.
K	Reports are printed on disk. A header precedes each report.

Print/Fiche Code (Position 5)

This code indicates whether or not a report should be printed and/or placed on microfiche. Valid entries are:

- **0** Do not print or fiche. No record is created.
- **1** Print only, no fiche.
- **2** Print and fiche.
- **3** Fiche only.

Chapter

6

Reports

This chapter contains descriptions of all reports produced by EFAS.

Report Format

Unless otherwise noted, EFAS reports print on stock paper (8 1/2" x 13 5/8") and have a standard 2-line title for report identification. The first line of this title contains the date on which the report was produced, the institution number and name, and the page number. The second line contains the system name, the report title, and the report number. This standard title is followed by the report headings, detail information and, when printed, report totals.

Note: Reports 001 – 999 can be produced depending on the option(s) selected in MICM. The report number prefix is the application number assigned to this application in MICM. **34-nnn** denotes an EFAS report.

The following reports are generated according to the Application System Report Flags on MICM Record 0307, which controls the sorts, total breaks, and printing of the reports.

Number	Name
34-004	Maintenance Journal
34-010	Increased Float Report
34-011	Safeguard Order Report
34-012	Expiring Safeguard Orders
34-013	Expedited Funds Totals
34-014	Notice of Extended Hold
34-015	Duplicate Notice of Extended Hold
34-016	Mandatory Availability Adjustments
34-800	File Backup Record Count
34-820	File Reload Record Count
34-902	Institution Control File Maintenance
34-903	Institution Control File Update

Key Data

Each report in EFAS contains key data. Some of the key data headings are common to many of the reports. These common key data headings are described below to avoid repetition of this information with each report description given. If a report contains key data not listed below, the data is described at the beginning of the Heading Descriptions for that report.

Account-number Account number.

Application Account application code.

Branch Branch number. Valid entries are **00001 – 99999**.

Debit/Credit Code Debit or credit code. Valid entries are:
C Credit code.
D Debit code.

Officer Officer codes are user-defined and are established on MICM Record 0242.

Short-name Short name of the customer.

Type Account types are user-defined and can be **001 – 999**.

Report Descriptions

The following information is included in each report description:

Purpose Describes the information included on the report.

Program Names the program that produces the report.

Sample Shows a report sample.

Heading Descriptions Provides a detailed explanation of each report heading.

Daily Reports

Daily reports are scheduled and produced by the programs run during daily processing.

34-004 – Maintenance Journal

Purpose — This report produces a list of all online changes made to the safeguard orders.

Program — EFD350 – Daily Report Print

```
     07-14-2001                    001 FIRST FINANCIAL INSTITUTION

     EXPEDITED FUNDS AVAILABILITY          MAINTENANCE JOURNAL                                                    34-004

BANK    RT NBR  SEQ OPER *-------------------------------------------------------------------------------------------* MAINT DT
 001 000000111    1 D601 CHANGE NOTICE CODE          FROM                 1            TO                1            7-13-01
                  1 D601 CHANGE BANK FLOAT           FROM                 2            TO                4            7-13-01
                  1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-13-01
                  2 D601 ADDED  CR ACCT        00000343322  DB ACCT        00000343322  AMT        100.00                 7-13-01
 001 000000123    1 D601 CHANGE NOTICE CODE          FROM                 1            TO                1            7-08-01
                  1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-08-01
 001 006539098    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00067579035  AMT         76.76                 7-13-01
 001 012345678    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-13-01
 001 023456789    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        87545678878  AMT          3.23                 7-13-01
 001 026765478    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-13-01
 001 043456753    1 D601 ADDED  CR ACCT        00198765554  DB ACCT        00087876543  AMT           .00                 7-13-01
 001 045678962    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00023345657  AMT         78.88                 7-13-01
 001 053498765    1 D601 ADDED  CR ACCT        00000000000  DB ACCT     97654357678888  AMT           .00                 7-13-01
 001 063100033    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT        100.50                 7-08-01
 001 063101324    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-08-01
 001 063102345    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00987654321  AMT         23.23                 7-13-01
 001 063102367    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00876545788  AMT         45.45                 7-13-01
 001 063109098    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00876543211  AMT           .00                 7-08-01
 001 063123456    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-08-01
                  1 D601 ADDED  CR ACCT        00000000000  DB ACCT       987651234556  AMT           .00                 7-13-01
 001 063198763    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-08-01
 001 063199969    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00009877655  AMT           .00                 7-08-01
 001 063199979    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        09765454323  AMT        200.00                 7-08-01
 001 063199989    1 D601 ADDED  CR ACCT  98776554540000000  DB ACCT        00087655432  AMT           .00                 7-08-01
 001 063199999    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00987654432  AMT           .00                 7-08-01
 001 063201234    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00987654322  AMT           .00                 7-13-01
 001 063201358    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        93468632467  AMT           .00                 7-13-01
                  1 D601 CHANGE NOTICE CODE          FROM                 9            TO                9            7-13-01
                  1 D601 CHANGE CUSTOMER FLOAT       FROM                 3            TO                4            7-13-01
                  1 D601 CHANGE BANK FLOAT           FROM                 2            TO                3            7-13-01
                  1 D601 CHANGE LL CUST FLOAT        FROM                 1            TO                4            7-13-01
                  1 D601 CHANGE LL BANK FLOAT        FROM                 2            TO                3            7-13-01
 001 063204351    1 D601 CHANGE NOTICE CODE          FROM                 8            TO                8           12-23-01
                  1 D601 CHANGE EXPIRATION DATE      FROM  09-25-92                    TO 12-23-88                    12-23-01
                  1 D601 CHANGE START DATE           FROM  06-22-92                    TO 05-22-92                    12-23-01
 001 063209098    1 D601 CHANGE COMMENTS             FROM  MONITOR THIS ACCOUNT        TO MONITOR THIS ACCOUNT DAILY     7-13-01
                  1 D601 CHANGE NOTICE CODE          FROM                 7            TO                7            7-13-01
                  1 D601 ADDED  CR ACCT        00019101001  DB ACCT        00000000000  AMT           .00                 7-13-01
 001 063234567    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00098765432  AMT         89.89                 7-13-01
 001 063245678    1 D601 ADDED  CR ACCT        00019101002  DB ACCT        00000000000  AMT           .00                 7-13-01
 001 064323456    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00098765435  AMT           .00                 7-13-01
 001 075654328    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00098765545  AMT           .00                 7-13-01
 001 098765543    1 D601 ADDED  CR ACCT        00191088766  DB ACCT        00009876544  AMT           .00                 7-13-01
 001 222200020    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-13-01
                  1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-08-01
                  4 D601 DELETE CR ACCT             0000000  DB ACCT             0000000  AMT          .00 APPL 01 CODE 009  12-23-01
                                START DATE  6-22-92 EXPIRE DATE  9-25-92 BK FLT 04  CS FLT 05  LMTBK FLT 01 LMTCS FLT 01
                                EMP-ID              COMMENTS THIS HAD BETTER WORK
                  4 D601 CHANGE NOTICE CODE          FROM                 8            TO                9           12-23-01
 001 876654672    1 D601 ADDED  CR ACCT        00000000000  DB ACCT        00000000000  AMT           .00                 7-13-01


      BANK       001 TOTALS     SAFEGUARD RECORDS ADDED               33
                                SAFEGUARD RECORDS CHANGED             14
                                SAFEGUARD RECORDS DELETED              1
```

34-004 – Maintenance Journal

Heading Descriptions

Bank	Institution Number.
Rt Nbr	Routing/Transit Number. Safeguard order's routing-transit number.
Seq	Sequence Number. Sequence number of the safeguard order. System-assigned number when a safeguard order is created.
Oper	Operator. Operator making the change.
Maint Dt	Maintenance Date. Date of the maintenance.
Totals	Totals. Total number of safeguard orders added, changed, and deleted.

34-010 – Increased Float Report

Purpose

This report lists accounts with exception conditions that have resulted in reallocating float days. Optionally, all items with float assigned can be reflected on this report. The report shows the account number and the routing-transit number of the item that caused the exception conditions, the number of business days of the extension, the available date of the funds, etc.

Program

EFD350 – Daily Report Print

```
07-14-2001                      001 FIRST FINANCIAL INSTITUTION

EXPEDITED FUNDS AVAILABILITY          INCREASED FLOAT REPORT                                                    34-010

NAME / ADDRESS / PHONE    APPL     DEPOSIT AMT      FLOAT AMT     CHK ACCOUNT NBR    CHECK RT        BF  CF  AVL-DATE  NI  NSF
DEPOSITORS ACCOUNT NBR                                                                              EXCEPTION REASON      OPT

MR. DONALD JONES
1234 MEMORY LANE
SPRINGTIME APARTMENTS
APT #4
ALTAMONTE SPRINGS FL  32760
PHONE HM:  555-323-8765     PHONE WK:  555-232-6543

000-000-000-019-101002      01          355.00         355.00            89898989   111100010        3   4   7-20-01   N    C
                                                                                                    NEW ACCOUNT STATUS
                            01          355.00         355.00            89898989   111100010        3   4   7-20-01   N    C
                                                                                                    NEW ACCOUNT STATUS

MR. GEORGE DAMPSON
ATTORNEY GENERAL
GOVERNMENT BUILDING
SUITE 340
345 CONGRESS LANE
TALLAHASSEE FL  32989
PHONE HM:  555-456-8765     PHONE WK:  555-367-8765

000-000-000-019-101003      01        2,000.00       1,000.00          1123456789    63245670        3   4   7-20-01   N    C
                                                                                                    HIGH RISK ACCOUNT
                                                                                                    ACCT SUSPECTED OF
                                                                                                    KITING, MONITOR

                            01        2,000.00         250.00           987654321   111100010        3   4   7-20-01   N    C
                                                                                                    HIGH RISK ACCOUNT
                                                                                                    ACCT SUSPECTED OF
                                                                                                    KITING, MONITOR

                            01        2,000.00         250.00           555555555   222200020        3   4   7-20-01   N    C
                                                                                                    HIGH RISK ACCOUNT
                                                                                                    POSSIBLE BK FAILURE

                            01          124.00         124.00           888888888         500        1   1   7-15-01   N    C
                                                                                                    HIGH RISK ACCOUNT
                                                                                                    ACCT SUSPECTED OF
                                                                                                    KITING, MONITOR

 BANK       001 TOTALS     TOTAL ACCTS          6   TOTAL FLOAT AMT          2,334.00
```

34-010 – Increased Float Report

Heading Descriptions

Name/Address/ Phone	Depositor's name, address, and (home/work) telephone numbers.
Appl	Application. Application code of the depositor's account. Valid entries are: **01** DDA. **03** Credit Line. **04** Savings.
Deposit Amt	Deposit Amount. Amount of the original deposit.
Float Amt	Float Amount. Dollar amount of float to be extended.
Chk Account Nbr	Checking Account Number. Account number of the check for deposit.
Check Rt	Check Routing/Transit Number. Routing-transit number of the deposited check.
Bf	Bank Float. Number of bank float days for all other items.
Cf	Customer Float. Number of customer float days for all other items.
Avl-date	Available Date. Date the hold amount is available.
Ni	Notice Indicator. Indicates a notice has been produced.
NSF Opt	Non-sufficient Funds Option. NSF option indicator from Deposits.
Depositor's Account Nbr	Depositor's Account Number. Account number receiving the deposit.
Exception Reason	Exception Reason. Reason for the exception.
Totals	Totals. Total number of accounts and total float amount.

34-011 – Safeguard Order Report

Purpose — This report produces a list of all safeguard orders on file for EFAS.

Program — EFD350 – Daily Report Print

```
    07-16-2001                       001 FIRST FINANCIAL INSTITUTION

    EXPEDITED FUNDS AVAILABILITY          SAFEGUARD ORDER REPORT                                                       34-011
                                                                                 BK-CUST  BK-CUST      START     EXPIRE   EXP
   RTR NBR SEQ NBR /        ACCOUNT NBR      ITEM AMOUNT          DEPOSITOR ACCT APPL  LMTLIB   FLOAT         DATE       DATE  CODE
 EMPLOYEE-ID - NOTICE CODE - COMMENTS

 0000-00111       2              343322          100.00                343322    01  01    01  02    03    7-13-01    7-16-01
 RON B                  001   ALTERED ITEM
 0000-00111       1                                0.00                          01  01    01  04    03    7-13-01    7-16-01
 OPUS C                 001   FILEL DRAWER 2
 0123-45678       1                                0.00                          01  01    01  02    03    7-13-01    7-16-01
 LMURRAY                008
 0234-56789       1         87545678878            3.23                          01  01    01  02    03    7-13-01    7-16-01
 LMURRAY                008   STOP ITEM
 0267-65478       1                                0.00                          01  01    01  02    03    7-13-01    7-16-01
 LMURRAY                008   SUSPECT ACCOUNT
 0434-56753       1            87876543            0.00             198765554    01  01    01  02    03    7-13-01    7-16-01
 LMURRAY                007   MONITOR ACCOUNT
 0456-78962       1            23345657           78.88                          01  01    01  02    03    7-13-01    7-16-01
 LMURRAY                009
 0534-98765       1      97654357678888            0.00                          01  02    04  02    03    7-13-01    7-16-01
 LMURRAY                006   NEW CUSTOMER
 0631-02345       1           987654321           23.23                          01  02    01  02    01    7-13-01    7-20-01
 LMURRAY                007   STOP THIS ITEM

     BANK       001 TOTALS      TOTAL ORDERS         9    TOTAL ORDER AMT            205.34
```

34-011 – Safeguard Order Report

Heading Descriptions

Rtr Nbr — Routing Number. Routing-transit number of the safeguard order.

Seq Nbr — Sequence Number. Sequence number of the safeguard order.

Account Nbr — Debit Account Number. Number of the account on which the check was written (debit account).

Item Amount — Item Amount. Amount of the safeguard order.

Depositor Acct — Depositor Account. Depositor's account number.

Appl — Application. Application number of the depositor's account. Valid entries are:

- **01** DDA.
- **03** Credit Line.
- **04** Savings.

Bk Lmtlib — Bank-float Limit Liability. Number of bank float days for limited liability items.

Cust Lmtlib	Customer Float Limit Liability. Number of customer float days for limited liability items.
Bk Float	Bank Float. Number of bank float days for all other items.
Cust Float	Customer Float. Number of customer float days for all other items.
Start Date	Start Date. Starting date of the safeguard order.
Expire Date	Expiration Date. Expiration date of the safeguard order, which will be automatically calculated by the system using today's date and the safeguard days specified on MICM Record 0390 (Regulation CC Bank Parameters).
Exp Code	Expiration Code. Items that will expire today.
Employee-ID	Employee Identification. Identification of the employee entering the safeguard order.
Notice Code	Notice Description Code. Code associated with the exception notice.
Comments	Notice Description. Description to print on the notice from MICM Record 0395 (Regulation CC Exception Description).
Totals	Totals. Total number and total amount of the safeguard order items.

34-012 – Expiring Safeguard Orders

Purpose — This report produces a list of all EFAS safeguard orders that expire today.

Program — EFD350 – Daily Report Print

```
    07-16-2001                    001 FIRST FINANCIAL INSTITUTION

    EXPEDITED FUNDS AVAILABILITY         EXPIRING SAFEGUARD ORDERS                                                    34-012

                                                                                          BK-CUST  BK-CUST  START     EXPIRE
   RTR NBR SEQ NBR         ACCOUNT NBR     ITEM AMOUNT          DEPOSITOR ACCT APPL  LMTLIB   FLOAT        DATE      DATE

0000-00111       2             343322          100.00                 343322   01  01   01  02   03   7-13-01   7-16-01
RON B                 001   ALTERED ITEM
0000-00111       1                               0.00                        01  01   01  04   03   7-13-01   7-16-01
OPUS COLE             001   FILEL DRAWER 2
0123-45678       1                               0.00                        01  01   01  02   03   7-13-01   7-16-01
LMURRAY               008
0234-56789       1         87545678878           3.23                        01  01   01  02   03   7-13-01   7-16-01
LMURRAY               008   STOP ITEM
0267-65478       1                               0.00                        01  01   01  02   03   7-13-01   7-16-01
LMURRAY               008   SUSPECT ACCOUNT
0434-56753       1           87876543            0.00              198765554  01  01   01  02   03   7-13-01   7-16-01
LMURRAY               007   MONITOR ACCOUNT
0456-78962       1           23345657           78.88                        01  01   01  02   03   7-13-01   7-16-01
LMURRAY               009
0534-98765       1          97654357678888         0.00                        01  02   04  02   03   7-13-01   7-16-01
LMURRAY               006   NEW CUSTOMER
0631-02345       1           987654321          23.23                        01  02   01  02   01   7-13-01   7-16-01
LMURRAY               007   STOP THIS ITEM

 BANK       001 TOTALS     EXPIRED ORDERS       9   TOTAL AMT EXPIRED          205.34
```

34-012 – Expiring Safeguard Orders

Heading Descriptions

Rtr Nbr — Routing Number. Routing-transit number of the safeguard order.

Seq Nbr — Sequence Number. Sequence number of the safeguard order.

Account Nbr — Debit Account Number. Number of the account on which the check was written (debit account)..

Item Amount — Item Amount. Amount of the safeguard order.

Depositor Account — Depositor Account. Depositor's account number.

Appl — Application. Application of the depositor's account. Valid entries are:

- **01** DDA.
- **03** Credit Line.
- **04** Savings.

Bk Lmtlib — Bank-float Limit Liability. Number of bank float days for limited liability items..

Cust Lmtlib	Customer Float Limit Liability. Number of customer float days for limited liability items.
Bk Float	Bank Float. Number of bank float days for all other items.
Cust Float	Customer Float. Number of customer float days for all other items.
Start Date	Start Date. Starting date of the safeguard order.
Expire Date	Expiration date of the safeguard order, which will be automatically calculated by the system using today's date and the safeguard days specified on MICM Record 0390 (Regulation CC Bank Parameters).
Totals	Totals. Total number and total dollar amount of expired safeguard orders.

34-013 – Expedited Funds Totals

Purpose — This report produces a list of item totals by application. The number and dollar amount of both debits and credits and total bank float is reported.

Program — EFD350 – Daily Report Print

```
07-14-2001                      001 FIRST FINANCIAL INSTITUTION

EXPEDITED FUNDS AVAILABILITY          EXPEDITED FUNDS TOTALS                                                    34-013

    APPL      DEBIT COUNT     DEBIT AMOUNT   CREDIT COUNT    CREDIT AMOUNT      TOTAL FLOAT       BANK FLOAT   CUSTOMER FLOAT
      01               02           450.00             18        13,852.00        27,004.00        13,502.00        13,502.00
 BANK       001 TOTALS      DB CNT      02  DB AMT         450.00  CR CNT      18  CR AMT      13,852.00

                            FLT AMT      27,004.00   BK FLT      13,502.    CUST FLT      13,502.00
```

34-013 – Expedited Funds Totals

Heading Descriptions

Appl — Application. Application number. Valid entries are:
- **01** DDA.
- **03** Credit Line.
- **04** Savings.

Debit Count — Debit Count. Number of debit items.

Debit Amount — Debit Amount. Dollar amount of the debit.

Credit Count — Credit Count. Number of credit items.

Credit Amount — Credit Amount. Dollar amount of the credits.

Total Float — Total Float. Total dollar amount of all float allocated (bank and customer).

Bank Float — Bank Float. Total dollar amount of bank float.

Customer Float — Customer Float. Total dollar amount of customer float.

Totals — Totals. Total number and dollar amount of debit and credit items. Also shown is the total dollar amount of combined customer and bank float and total dollar amount of customer float and bank float individually.

34-014 – Notice of Extended Hold

Purpose — These notices print for accounts with an exception condition that resulted in a float reassignment. The institution name and address and notice body are set on MICM Forms 0390 (Regulation CC Institution Parameters) and 0233 (Regulation CC Institution Notice), respectively.

Program — EFD350 – Daily Report Print

```
NOTICE OF EXTENDED HOLD                                        DATE 07-14-01

FIRST FINANCIAL INSTITUTION
2600 MAITLAND CENTER PARKWAY
MAITLAND FL 32751

   THIS IS TO INFORM YOU THAT THE ITEMS
   LISTED BELOW WILL NOT BE MADE AVAILABLE
   FOR WITHDRAWAL UNTIL THE DATE STATED.
   THE EXCEPTION REASON IS INDICATED, AND IF
   YOU HAVE ANY QUESTIONS PLEASE DO NOT HESITATE
   TO CALL CUSTOMER SERVICE. THANK YOU.

        MR. DONALD JAMES                          ACCT:000-000-000-019-101002
        1234 MEMORY LANE                          APPL:  DDA
        SPRINGTIME APARTMENTS
        APT #4
        ALTAMONTE SPRINGS FL  32760


LIST OF EXTENDED HOLDS         000-000-000-019-101002      PAGE   2  07-14-01

  DEPOSIT AMT     CHECK AMT      HOLD AMT  DAYS AVL-DATE     EXCEPTION REASON
       355.00        355.00        355.00     4 07-20-01     NEW ACCOUNT STATUS
       355.00        355.00        355.00     4 07-20-01     NEW ACCOUNT STATUS
```

34-014 – Notice of Extended Hold

Heading Descriptions

(Date) — Date. Date the notice was produced.

(Institution Name and Address) — Institution Name and Address. Name and address of the institution extending float (from MICM Record 0390 – Regulation CC Institution Parameters).

(Notice Body) — Notice Body. Body of the notice contains six lines, each line holding 50 characters. The notice body is set up on MICM Record 0233 (Regulation CC Institution Notice).

(Customer Name and Address) — Customer Name and Address. Name and address of the customer receiving the notice.

Acct — Account Number. Depositor's account number.

Appl	Application. Application code of the depositor's account. Valid entries are: **01** DDA. **03** Credit Line. **04** Savings.

List of Extended Holds

(Account Number)	Account Number. Depositor's account number.
Page	Page. Page number of the notice.
(Date)	Date. Date the notice was produced.
Deposit Amt	Deposit Amount. Amount of the original deposit.
Check Amt	Check Amount. Original check that extended the hold.
Hold Amt	Hold Amount. Amount of the extended hold.
Days	Days. Number of business days of the extended hold.
Avl-date	Available Date. Date the funds will be made available.
Exception Reason	Exception Reason. Reason for the extension.

34-015 – Duplicate Notice of Extended Hold

Purpose — These notices print for accounts with exception conditions that have resulted in float reassignment. These notices can be produced for exception accounts that might have already been notified of additional holds at the teller station. The institution name and address and notice body are optional and set by MICM Records 0390 (Regulation CC Institution Parameters) and 0233 (Regulation CC Institution Notice), respectively.

Program — EFD350 – Daily Report Print

```
DUPLICATE NOTICE OF EXTENDED HOLD                              DATE 07-14-01

FIRST FINANCIAL INSTITUTION
2600 MAITLAND CENTER PARKWAY
MAITLAND FL 32751

   THIS IS TO INFORM YOU THAT THE ITEMS
   LISTED BELOW WILL NOT BE MADE AVAILABLE
   FOR WITHDRAWAL UNTIL THE DATE STATED.
   THE EXCEPTION REASON IS INDICATED, AND IF
   YOU HAVE ANY QUESTIONS PLEASE DO NOT HESITATE
   TO CALL CUSTOMER SERVICE. THANK YOU.

        MR. DONALD JAMES                          ACCT:000-000-000-019-101002
        1234 MEMORY LANE                          APPL:  DDA
        SPRINGTIME APARTMENTS
        APT #4
        ALTAMONTE SPRINGS FL  32760


LIST OF EXTENDED HOLDS         000-000-000-019-101002      PAGE   2  07-14-01

  DEPOSIT AMT     CHECK AMT      HOLD AMT  DAYS AVL-DATE     EXCEPTION REASON
       355.00        355.00        355.00     4 07-20-01     NEW ACCOUNT STATUS
       355.00        355.00        355.00     4 07-20-01     NEW ACCOUNT STATUS
```

34-015 – Duplicate Notice of Extended Hold

Heading Descriptions

(Date) — Date. Date the notice was produced.

(Institution Name and Address) — Institution Name and Address. Name and address of the institution extending float.

(Notice Body) — Notice Body. Body of the notice contains six lines, each line holding 50 characters. It is set up on MICM Record 0233 (Regulation CC Institution Notice).

(Customer Name and Address) — Customer Name and Address. Name and address of customer receiving the notice.

Acct — Account. Depositor's account number.

Appl	Application. Application code of the depositor's account. Valid entries are: **01** DDA. **03** Credit Line. **04** Savings.

List of Extended Holds

(Account Number)	Account Number. Depositor's account number.
Page	Page. Page number of the notice.
(Date)	Date. Date the notice was produced.
Deposit Amt	Deposit Amount. Amount of the original deposit.
Check Amt	Check Amount. Original check that extended the hold.
Hold Amt	Hold Amount. Amount of the extended hold.
Days	Days. Number of business days of the extended hold.
Avl-date	Available Date. Date the funds will be made available.
Exception Reason	Exception Reason. Reason for the extension.

34-016 – Mandatory Availability Adjustments

Purpose

This report lists any adjustments made to float due to Regulation CC mandatory next-day availability requirements. All accounts are subject to mandatory next-day availability adjustments except those flagged as new. This report reflects deposit and float information by account number. Adjustments for both bank and customer float records are reported based on the processing options set up on MICM Record 0392 (EFAS Type Processing Parameters 2) for mandatory next-day availability processing.

Program

EFD350 – Daily Report Print

```
06-19-2001                    001 FIRST FINANCIAL INSTITUTION                                    PAGE      1

EXPEDITED FUNDS AVAILABILITY          MANDATORY AVAILABILITY ADJUSTMENTS                              34-016
DEPOSITORS ACCOUNT NBR    APPL     TODAYS DEPOSITS   NEXT-DAY FLT     OTHER FLT     FUNDS ADJUSTED     TYPE   EXCP
              19101001      01            3,225.00       1,000.00      2,225.00                .00     CUST
                            01            3,225.00       1,000.00      2,225.00                .00     BANK
              19101002      01               55.00            .00         55.00              55.00     CUST
                            01               55.00            .00         55.00              55.00     BANK
              19101003      01              752.00         325.00        447.00             100.00     CUST     E
                            01              752.00         325.00        447.00             100.00     BANK     E
              19101004      01              124.00         100.00         24.00             100.00     CUST     E
                            01              124.00         100.00         24.00             100.00     BANK     E
              19101005      01            3,000.00         100.00      2,900.00             100.00     CUST     E
                            01            3,000.00         100.00      2,900.00             100.00     BANK     E
              19101006      01            1,000.00         150.00        850.00                .00     CUST
                            01            1,000.00         150.00        850.00                .00     BANK
              19101007      01              700.00         100.00        600.00             100.00     CUST     E
                            01              700.00         100.00        600.00             100.00     BANK     E
              19101010      01              500.00            .00        500.00             100.00     CUST
                            01              500.00            .00        500.00             100.00     BANK

 BANK       001 TOTALS     ACCTS ADJUSTED:      8   TOTAL BK ADJUSTED:     555.00   TOTAL CS ADJUSTED:     555.00
```

34-016 – Mandatory Availability Adjustments

Heading Descriptions

Depositors Account Nbr

Depositors Account Number. Account number of the deposit reported.

Appl

Application. Application code of the depositor's account. Valid entries are:

- **01** DDA.
- **03** Credit Line.
- **04** Savings.

Todays Deposits

Today's Deposits. Total dollar amount deposited today for the account number reported.

Next-day Flt	Next Day Float. Total dollar amount of the deposit that will be given next-day availability prior to any adjustments, if the account has not had an DDA exception invoked. If the account has had a DDA exception invoked, the amount made available through mandatory next-day availability processing is reflected in this total.
Other Flt	Order Float. Total dollar amount of all other float generated for the account prior to any mandatory next-day availability adjustments.
Funds Adjusted	Funds Adjusted. Total dollar amount of float adjusted to next-day availability based on MICM Record 0392 (EFAS Type Processing Parameters 2) processing requirements and mandatory next-day availability requirements.
Type	Type. Type of float record adjusted. There could be two entries for each account (bank and customer) or one entry (bank or customer), depending on the options set for processing on MICM Record 0392 (EFAS Type Processing Parameters 2).
Excp	Exception Account. Refer to the other reports to determine float allocations. Valid entries are: **D** DDA exception. **E** Excessive deposit exception.
Totals	Totals. Totals include total number of accounts adjusted and the total dollar amount for institution and customer records adjusted.

34-800 – File Backup Record Count

Purpose — This report lists the number of backup input files for each institution. Each backup file is selected by a control card.

Program — EFD800 – EFAS Files Backup

```
     08-02-2001

         EXPEDITED FUNDS SYSTEM              FILE BACKUP RECORD COUNT                          34-800

     TIME   8.56.01
                                          FILES BACKED UP THIS RUN

                                           BANK CONTROL FILE
                                           SAFEGUARD FILE
                                           TRANSACTION FILE
                                           UNSORTED REPORTS FILE

BKNBR   CUR-DATE   BANKFIL SAFGFIL TRANFIL RPTUFIL

 000    7-14-2001       1       3       0       3

 001    7-14-2001       1      21       0     103

 002    7-14-2001       1       1       0       2

TOTAL COUNT             3      25       0     108
```

34-800 – File Backup Record Count

Heading Descriptions

Files Backed Up this Run — Listing of the files backed up this run.

Bknbr — Bank Number. Number of the institution processed.

Cur-date — Current Date. Current processing date.

Bankfil — Bank Control Files. Number of Institution Control Files backed up.

Safgfile — Safeguard Order Files. Number of Safeguard Order Files backed up.

Tranfil — Transaction Files. Number of Transaction Files backed up.

Rptufil — Report Files. Number of Unsorted Reports Files backed up.

Total Count — Total Count. Total number of files backed up for all institutions.

34-820 – File Reload Record Count

Purpose — This report lists, for each institution, the number of records loaded, dropped, and reloaded on the current processing day. The reloaded files are selected by control cards.

Program — EFD820 – EFAS Files Reload

```
    08-02-2001

    EXPEDITED FUNDS AVAILABILITY          FILE RELOAD RECORD COUNT                                                    34-820

    TIME   9.39.06
                                          FILES RELOADED THIS RUN

                                           BANK CONTROL FILE
                                           SAFEGUARD FILE
                                           TRANSACTION FILE
                                           UNSORTED REPORT FILE

 BKNBR   CUR-DATE     BANKFIL  *---SAFGFIL----*  *---TRANFIL----*  *---RPTSFIL----*

                     LOAD DRP    LOADED DROPPED   LOADED DROPPED    LOADED DROPPED

  000    7-14-2001      1   0         2       0         0       0         3       0

  001    7-14-2001      1   0        18       0         0       0       103       0

  002    7-14-2001      1   0         1       0         0       0         2       0

  TOTAL COUNT           3   0        21       0         0       0       108       0
```

34-820 – File Reload Record Count

Heading Descriptions

Files Reloaded this Run — Listing of the files reloaded during this run.

Bknbr — Bank Number. Number of the institution processed.

Cur-date — Current Date. Current processing date.

Bankfil — Bank Control Files. Institution Control File: records loaded; records dropped.

Safgfil — Safeguard Order Files. Safeguard Order File: records loaded; records dropped.

Tranfil — Transaction Files. Transaction File: records loaded; records dropped.

Rptsfil — Unsorted Reports Files. Unsorted Reports File: records loaded; records dropped.

Total Count — Total Count. Total number of files loaded and dropped from the files reloaded this run (for all institutions).

34-902 – Institution Control File Maintenance

Purpose — This report lists the changes made to the Institution Control Record when input maintenance data cards contain errors. This report is generated prior to printing the Institution Control File update.

Program — EFD020 – Institution Control File Update

```
    08-02-2001                            INST CONTROL FILE MAINTENANCE

    EXPEDITED FUNDS AVAILABILITY                                                                           34-902

                                2   3         4         5         6         7         8
SYS BANK                 FORM/ 678901234567890123456789012345678901234567890123456789
NBR NBR *---KEY DATA---* CARD  *----------------------CARD DATA----------------------* *----FIELD NAME----* *--ERROR MESSAGE---ERR

 34 000                  0000  0729880728880801880801 88C     CB6 1                                        INVALID
                                                                                                    ** CARD REJECTED **
-----------------------------------------------------------------------------------------------------------------------------
 34 001                  0000  072988072888080188080188C     CB6 1                                        INVALID
                                                                                                    ** CARD REJECTED**
-----------------------------------------------------------------------------------------------------------------------------
 34 002                  0000  072988072888080188080188C     CB6 1                                        INVALID
                                                                                                    ** CARD REJECTED**
-----------------------------------------------------------------------------------------------------------------------------
```

34-902 – Institution Control File Maintenance

Heading Descriptions

Sys Nbr — Application Number. Valid entry is **34** for EFAS.

Bank Nbr — Institution Number. The Institution Control Record is 000, and numbers **001 – 999** are processing institutions.

Key Data — Key Data. Not used at this time; always spaces.

Form/Card — Form/Card. Form and card numbers.

Card Data 26 through 80

All data fields in the card are printed in this area as they appear on the card input. The following is a list of the fields printed.

Columns	Field Name
26 – 31	Current date.
32 – 37	Last processing date.
38 – 43	Next scheduled processing date.
44 – 49	Next actual processing date.
50 – 56	Processing week schedule.
57 – 57	Processing option.
58 – 58	Lines per inch.

Field Name

Field Name. Names of fields in error.

Error Message

Error Message. Self-explanatory reject messages for an invalid field entry print in this column. These messages are stored on MICM Record 1006 (Error Message Information).

Err

Error. Error message number.

34-903 – Institution Control File Update

Purpose — This report shows the current updated status of each record residing in the Institution Control File. It prints at the start of each processing day. The report details the current processing schedule for the application and for each institution using the application. Institutions not processed on the current date are also included on the report.

Program — EFD020 – Institution Control File Update

```
   08-02-2001                            INST CONTROL FILE UPDATE

   EXPEDITED FUNDS AVAILABILITY                                                                                    34-903

  BANK                                                 LAST DATE     NEXT SCHED    NEXT ACTUAL   W    M    PROCESS         P  S
  NBR    BANK NAME                                     PROCESSED     PROC DATE     PROC DATE     F    F    1234567   DOW   O  O
  000    TEST SYSTEM                                   08-01-2001    08-03-2001    08-03-2001              C     C     3   B
---------------------------------------------------------------------------------------------------------------------------------
  001    FIRST FINANCIAL INSTITUTION                   08-01-2001    08-03-2001    08-03-2001              C     C     3   B  P
---------------------------------------------------------------------------------------------------------------------------------
  002    SECOND FINANCIAL INSTITUTION                  08-01-2001    08-03-2001    08-03-2001              C     C     3   B  P
---------------------------------------------------------------------------------------------------------------------------------
```

34-903 – Institution Control File Update

Heading Descriptions

Bank Nbr — Institution Number. The Institution Control Record is 000, and numbers **001 – 999** are processing institutions.

Bank Name — Institution Name. Name of the institution.

Last Date Processed — Last Date Processed. Date on which the application was last processed.

Next Sched Proc Date — Next Scheduled Application Processing Date.

Next Actual Proc Date — Next Actual Application Processing Date.

W F — Week Processing Flag. Identifies the first or last processing day of the week. Valid entries are:

- **B** Both the first and last processing day of the week.
- **F** First processing day of the week.
- **L** Last processing day of the week.

M F — Month process flag. Identifies the first or last processing day of the month. Valid entries are:

- **ƀ** Neither the first or last processing day of the month.
- **B** Both the first and last processing day of the month.
- **F** First processing day of the month.
- **L** Last processing day of the month.

Process 1234567	Processing Day of the Week (1-7). Days of the week, Sunday (1) through Saturday (7) on which processing occurs. Valid entries for each day are: **b** Open and processing. **C** Closed, no processing. **N** Open, no processing.
Dow	Day of Week. Current day of the week, Sunday (1) through Saturday (7).
P O	Process Option Code. Valid entry is **B** (before) for EFAS. Processing always occurs before a holiday.
S O	Select Option. Valid entries are: **b** No selective processing. **P** Institution to be processed. **S** Selective institution processing.

Chapter

7

Online Programs

This chapter contains the programs, function modules, and tables associated with the online portion of EFAS. The sections in this chapter consist of:

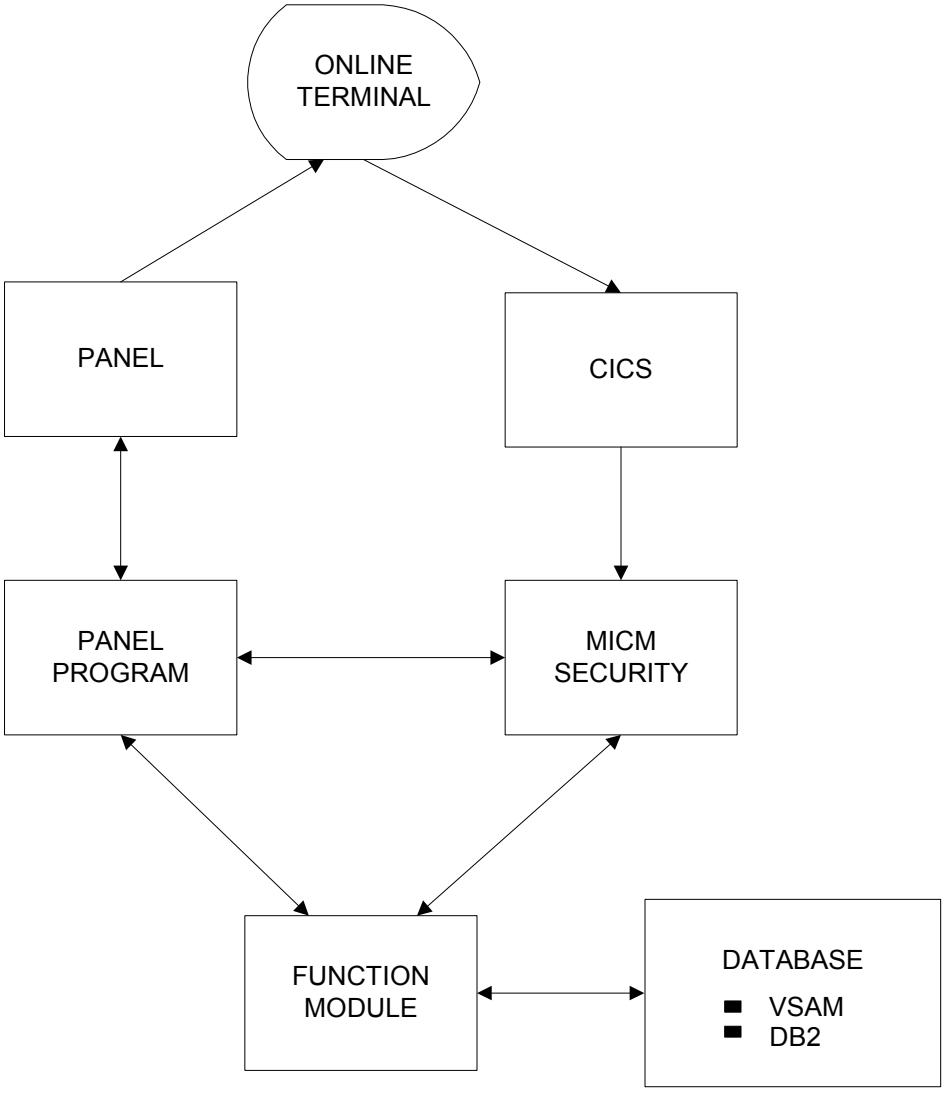
Panel Programs Programs that present and receive data from an input device (terminal). Each program contains 2 types of panels (key and primary) and one or more function module calls.

Function Modules Modules that perform a unique set of instructions. You input data in the message area and receive information through return and abort codes. The message area has control parameters. Function modules access EFAS and MICM Records.

Key Parameters A table that lists the preset values for the key parameters.

Cross-references A table that provides a cross-reference to help you associate the primary panel ID and its description with the panel program, function module, internal transaction code, and key parameter.

Online Program Flowchart and Description



Online Terminal	The 3270 device used for accessing CICS.
CICS	This interactive system receives data from and sends data to the control program and panel programs. Files are accessed through CICS and can be read or written. Data is sent or received in a mapped or unmapped format through a terminal.
MICM Security	MICM verifies the operator security level and access capabilities, determines the key requirements for the external transaction entered through the terminal, and edits this key. It releases control to the panel program that processes the transaction.
Function Module	One function module is written for each record. Additional modules for calculating fields or performing a specific function could be required for the application. A function module must be designed to permit data retrieval, updating, creation, and deletion to occur without dependency on any 3270 device. Function modules, which can be invoked from any application, perform the following tasks: ■ Security checking (dormancy, employee, user routines) ■ MICM defaults for new accounts ■ Data verification (excluding numeric checks) ■ All database access ■ Logging ■ Formatting/Updating a preset linking message A function module can update multiple records belonging to an application. Records from another application must be updated and retrieved using function modules specific to that application.
Database	The application programming interface allows access from a VSAM or DB2 environment, based on database control table requirements.
Panel Program	The panel program communicates with the panel and links to function modules with a preset message format. Panel programs perform the following tasks: ■ Verify the presence of key information required to format a message ■ Edit fields for commas and periods ■ Format messages for linking to function modules ■ Communicate with the panel ■ Perform field/record level security ■ Validate numbers and dates ■ Provide help and break-away maintenance ■ Process work units
Panel	The application programming interface formats and interprets 3270 CICS-formatted messages.

Key Parameter Table

MICM Record 2012 (Online Key Structures) defines key structures used to build 'next' keys when passing key data from one transaction to another within a work unit. The following table identifies the key parameter used by EFAS on the TDF Record (Transaction Definition).

Number	Key Parameters
000	Panel ID, does not require MICM Record 2012

Primary Panel ID Table

The table below lists the panel IDs and their descriptions, the internal transaction codes, and the panel program and function modules they access. These items are listed alphabetically by the panel ID.

Panel ID	Description	Internal Tran Code	Panel Program	Function Module
EFSAFG	Safeguard Order New/Maintenance	DP00	EFL010	EFLSAF00
EFSAFGI	Safeguard Order Inquiry	DP00	EFL001	EFLSAF01

Panel Programs

The following information is given for each panel program:

Purpose	Describes the purpose of the panel program.
Online Information	Lists some of the same information found on the Primary Panel ID Table as well as SS file information.
Function Modules	List those modules accessed by the panel program.
API MICM Records	Shows any MICM records accessed by the panel program.
Files	Describes the general attributes of each VSAM file accessed by the panel program.
Abort Information	Lists the trace codes and abort codes and a description of the problem encountered.

EFL001 – Safeguard Order Inquiry

Purpose

This program searches and displays Safeguard Order records from the Safeguard Order File based on search criteria selected.

Online Information

Panel ID:	EFSAFGI
Internal Transaction Code:	DP00
Key Panel SS File:	None
Selection Panel SS File:	EFV001S
Primary Panel SS File:	EFV001

Function Modules

EFLSAF01 – Safeguard Order Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online Messages Record

Abort Information

If the panel program detects processing irregularities, it displays a panel that includes codes and information from the issuing program, key information from the command line, message lines from MICM Record 0404 (Online Abort Messages), and debug information from the server.

Trace Code	Abort Code	Description
0001	2033	CICS handle return error.

EFL010 – Safeguard Order New/Maintenance

Purpose

This program adds, updates, or deletes Safeguard Order Records.

Online Information

Panel ID:	EFSAFG
Internal Transaction Code:	DP00
Key Panel SS File:	EFV010K
Selection Panel SS File:	None
Primary Panel SS File:	EFV010

Function Modules

EFLSAF00 – Safeguard Order New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online Messages Record

Abort Information

If the panel program detects processing irregularities, it displays a panel that includes codes and information from the issuing program, key information from the command line, message lines from MICM Record 0404 (Online Abort Messages), and debug information from the server.

Trace Code	Abort Code	Description
0001	2033	CICS handle return error.
0002	3051	Field security access error.

Function Modules

The following information is given for each function module:

Purpose Purpose of the function module.

Panel Programs Lists the associated panel program(s).

API MICM Records Shows any MICM records accessed by the function module.

Files Describes the general attributes of each VSAM file accessed by the function module.

Message Area Layouts Describes the message area passed between the function module and the panel program. See below for more details.

Abort Information Lists the trace codes and abort codes and provides a description of the problem encountered.

Message Area Layouts

Message areas consist of five parts:

- Controls Portion
- Record Portion
- Data Change Portion
- Miscellaneous Data Portion
- Select Portion

The prefix for each field is the function module name without the 'L'. For example, the prefix for each field for function module EFLSAF00 would be EFSAF00-. A description of each portion follows.

Controls Portion

The controls portion fields are identical across all Infopoint applications, as follows.

Field	Description
APIFUNC	Function Control Field. Code that tells the function module which operation to perform. Valid entries are: **EDT** Verify key data and edit field data. **UPD** Verify key data, edit field data, and update when all **VKD** Verify key data. **VKL** Verify key data and load or initialize data. Data is valid.
DATE	Current Date. Format is MMDDYYYY.
FUNC	Function to Perform. Valid entries are: **I** Inquire on a record. **M** Maintain an existing record. **N** Create a new record.
FUNCTION	Operation Return Function. Valid entries are: **b** Operation complete. **=** Duplicate data. **E** End of data. **N** Record not found. **O** Operations error. **X** Unknown error.
RETURN	Return Code. Code that correlates to the COM-RETURN in the panel program. Valid entries are: **E** Key validation error. **S** Selection validation error.
APPL	Numeric Application Code. **01** Demand Deposits. **03** Credit Line. **04** Savings. **34** EFAS.
CIFAC	Alphabetic Application Code. **CRL** Credit Line. **DDA** Demand Deposits **EFA** EFAS. **SAV** Savings.
UPDATE	Update Code. Code that correlates to the COM-UPDATE code. Valid entries are: **N** Update not allowed. **Y** Update allowed.

Field	Description
FILEOPTS	File Set Option. Codes that correlate to COM-FILEOPTS.
OPERID	Operator ID. This is passed to the module from the panel program COM-AREA.
MODELID	Model Operator ID. This is passed to the module from the panel program COM-AREA.
EXTERNALID	Panel ID. This is passed to the module from the panel program COM-AREA.
TERMID	Terminal Identification. This is passed to the module from the panel program COM-AREA (COM-EIBTRMID).
WORKID	Work Unit Identification. This is passed to the module from the panel program COM-AREA (COM-WKUNAME).
TRANSTART	Transaction Start Time. This is passed to the module from the panel program COM-AREA (COM-TRANSTART).
APPLSEQ	Application Sequence Number. This is passed to the module from the panel program COM-AREA (COM-APPLSEQ).
SECALT	Alternate Security Code. This is passed to the module from the panel program COM-AREA.
MSGNBR	Message Number. Used for extracting message data from MICM to display with other panel data from the panel program.
ERRCNT	Error Count. Count of errors determined by the function module.
GLOBAL-CLOSE	Global Close. Indicates to the linked program whether to perform a GLOBAL CLOSE for the Infopoint Runtime Components environment. Valid entries are: **N** Do not perform GLOBAL CLOSE. **Y** Perform GLOBAL CLOSE.
ABORT	Abort Code. Four-digit code that correlates to the COM-ABORT.
ABTYPE	Abort Type Code. Code that correlates to the COM-ABTYPE. Valid entry is **Y,** which indicates a global abort.
ABTRACE	Abort Trace Code. Four-digit code that correlates to the COM-ABTRACE.
ABEIBFN	Last CICS Command Code. Code that identifies the last CICS command issued by the task (updated when the requested function is complete).
ABEIBRCODE	CICS Response Code. Code that returns after completing the last CICS command issued by the task.

Field	Description
ABPROGID	Abort Program ID. Identification of a program where an abort occurred. It correlates to the COM-ABPROGID.
SRBMDB	API Server Request Block.
USERCNTRLS	Panel Program User Controls.
COM-CURNCD	Local Currency Code.
COM-LANG	Language Code.
ABEIBRESP	Response Return Code from Last CICS Command.
ABEIBRESP2	Response Return 2 Code from Last CICS Command.
ABMSG	Additional Message. Additional message displayed on the abort panel.
INST-OPT1	Institution Option 1. Indicates MICM Records 0211 and 2023 are to be processed at the institution level.
INST-OPT2	Institution Option 2. Activates [F16] for AMT processing.
INST-OPT3	Reserved.
INST-OPT4	Reserved.
INST-OPT5	Reserved.
COM-PRODCODE	Identifies the product code to which this information applies. Refer to MICM Record 2023 (Product Code) for a list of valid codes.
RESERVED	Reserved for future use.

Record Portion

We document the file(s) the function module uses. Some function modules use the entire file(s), while others use only portions of the file(s). For detailed descriptions of files, refer to the Application Files chapter of this guide.

Data Change Portion

For every field in the record portion, there is a data change flag that indicates if a field has changed. These fields have a suffix of -DCHG. For example, for the EFLSAF00 module, there is a EFSAF00-DATE-DCHG data change flag to indicate changes made to the EFSAF00-DATE field.

Miscellaneous Data Portion

This area contains fields specific to this module. Some fields might not be from API records.

Select Portion

This area contains fields specific to selection panels. Panels without selection panels will not have fields for this portion.

EFLSAF00 – Safeguard Order New/Maintenance

Purpose

This module maintains and updates Safeguard Order information. Safeguard Orders can be added, changed, and deleted.

Panel Programs

EFL010 – Safeguard Order New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0390	M90	MI0390-RECORD	Regulation CC Institution Parameters Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFSAFG	Safeguard Order File	Input	Disk	Random	107

Message Area Layout

Controls Portion

These fields are detailed at the beginning of this Function Module section. Controls portion fields are identical across all Infopoint applications.

Record Portion

The following files are used in the Record Portion of this function module. While the entire record is usually used, there are some cases where only a portion of the record is used. For detailed information on each file, refer to the Application Files chapter in this guide.

File Name	Description
EFSAFG	Safeguard Order File

Data Change Portion

For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

Miscellaneous Data Portion

The following fields are used by the EFLSAF00 function module:

Field	Description
SEQNBR	Safeguard order sequence number added or maintained.

Select Portion

None

Abort Information

If the function module detects processing irregularities, it displays a panel that includes codes and information from the issuing program, key information from the command line, message lines from MICM Record 0404 (Online Abort Messages), and debug information from the server.

Trace Code	Abort Code	Description
0001	2000	No common area received.
0002	2033	CICS handle return error.
0003	3051	START BROWSE failed on MICM Record 0390.
0004	4010	READ failed on EFSAFG.
0005	4010	READ NEXT failed on EFSAFG.
0006	4010	READ update failed on EFSAFG.
0007	4010	DELETE failed on EFSAFG.
0008	4010	WRITE/REWRITE failed on EFSAFG.
0009	4038	CICS link failed.
0010	2000	No common area received.

EFLSAF01 – Safeguard Order Inquiry

Purpose

This module inquires on safeguard orders based on requested selection criteria. Information for up to four safeguard orders can be passed to the message area.

Panel Programs

EFL001 – Safeguard Order Inquiry

API MICM Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFSAFG	Safeguard Order File	Input	Disk	Random	107

Message Area Layout

Controls Portion

These fields are detailed at the beginning of this Function Module section. Controls portion fields are identical across all Infopoint applications.

Record Portion

The following files are used in the Record Portion of this function module. While the entire record is usually used, there are some cases where only a portion of the record is used. For detailed information on each record, refer to the Application Files chapter in this guide.

File Name	Description
EFSAFG	Safeguard Order File

Data Change Portion

For each field accessed in the record portion of this message area, there is a data change field (-DGHG).

Miscellaneous Data Portion

The following fields are used by the EFLSAF01 function module:

Field	Description
SELECTKEY	Next selection key manipulated by the function module to control which record to select. *Output*
SINST	Institution number. *Input required*.
SRTGNBR	Selected routing/transit number. *Required*.

Select Portion

The following fields are provided to display orders for the Routing/Transit Number requested. These fields are optional. If no selection criteria are requested, all orders for the selected Routing/Transit Number will be displayed.

Field	Description
LSEQNBR	Starting sequence number to display.
HSEQNBR	Ending sequence number to display.
LDBACCT	Starting debit account number to display.
HDBACCT	Ending debit account number to display.
LDBAMT	Starting amount to display.
HDBAMT	Ending amount to display.
LCRAPPL	Starting credit account to display.
HCRAPPL	Ending credit account to display.
SCRAPPL	Credit accounts application number.
LSTRDATE	Starting order start date to display.
HSTRDATE	Ending order start date to display.
LEXPDATE	Starting expiration date to display.
HEXPDATE	Ending expiration date to display.
SNOTCCODE	Notice code to display.

Abort Information

If the function module detects processing irregularities, it displays a panel that includes codes and information from the issuing program, key information from the command line, message lines from MICM Record 0404 (Online Abort Messages), and debug information from the server.

Trace Code	Abort Code	Description
0001	2000	No common area received.
0002	2033	CICS handle return error.
0003	4010	READ NEXT failed on EFSAFG.

Chapter

8

Batch Programs

This chapter provides you with the details of each batch program used in EFAS. Each batch program description contains:

Purpose	Provides a description of the program.
API MICM Records	Lists, in numeric order, the MICM records accessed by the program.
API Application Records	Describes, in alphanumeric order, each API record used in the program.
Files	Describes the general attributes of each VSAM file accessed by the program. These are listed within the logical order of input, input/output, output/input, and output.
Reports	Lists any reports printed by the program or any reports whose records are generated by the program. If the program generates the report records, the name of the program that prints the report is also provided.
Control Card	Provides a detailed description of the control card format and options.
Abort Information	Lists the abort codes and a description of the problem encountered.

- Details of each batch program used in EFAS
- Tables that list special form requirements (measurements) for certain statements and notices output from the programs
- An explanation of how files are opened, closed, and accessed by the program
- The procedure for backing up and restoring an API record

Note: Conversion batch programs are found in the Conversion chapter of this guide.

File Handling

I/O Routines

All VSAM file handling is done by using called I/O routines that are written in COBOL. Even though the routines supplied with the system are written for native VSAM access, they can be replaced with routines written for other access methods. In this way, the access method can be changed without affecting the logic of the program that called the file handling routine.

File handling routines control the opening, closing, and accessing of the files. They function as a link between the program and the file. This interactive communication is done though the use of function codes, a return code, and a file area.

To access a file, three function codes and a key, if necessary, are passed to the routine. As an aid in coding, working storage and procedure copybooks are provided for accessing each file. When using these copybooks, the return code may be found in the first position of the function codes and in the field WS-FUNCTION.

The three function codes are part of a 3-byte area. The first byte contains the type of operation to be performed. The second byte contains the type access requested. The third byte contains the type of open to be performed if the file has not previously been opened.

The contents of the first byte can be:

- **A** ADD a record to the file. The record key is taken from the actual record area.
- **B** Perform a START, followed by a sequential READ. A record is returned.
- **C** CLOSE the file.
- **D** DELETE a record. A record key is required.
- **N** READ NEXT sequential record. A record is returned.
- **O** OPEN the file with the indicated access method and type of open.
- **R** RANDOM READ. A record is returned.
- **S** Perform a START. No record is returned.
- **W** REWRITE a record. If the access is sequential, the record to be rewritten must have been the last record read.

The contents of the second byte can be:

- **D** Use the DYNAMIC file internal name.
- **E** Use the second DYNAMIC file internal name. This option is only valid for accessing ANTRAN. The only type of open valid with this option is read-only (third byte must be an 'R').
- **M** Model (sequential, load only).
- **S** Use the SEQUENTIAL file internal name.

The contents of the third byte can be:

E	EXTEND the file. Uses the COBOL verb OPEN EXTEND.
L	LOAD the file. Uses the COBOL verb OPEN OUTPUT.
R	Open for READ only. Uses the COBOL verb OPEN INPUT.
U	Open for UPDATE. Uses the COBOL verb OPEN UPDATE.

The following completion codes can be returned to the calling program:

b	The requested operation was successfully completed.
=	A DUPLICATE RECORD was detected on an ADD.
E	An end-of-file condition was detected.
F	The file is FULL.
I	An INVALID START was requested.
N	NO RECORD was found.
O	An error occurred that is not covered by any other completion code.
X	An invalid request was passed to the routine.

The way the file access routines handle a dynamic or sequential request is by using two (or three if access method 'E' is supported) different internal files. Both internal files use the same external Name. This allows the use of both a dynamic access and a sequential access to the same file at the same time. The only restriction is that only one access file may be opened for update. The other file must be opened as read only. If using only one type of access in a program, the provided procedure copybook stores the access method and uses this if no access method is specified. If using multiple access methods, the stored access method is the last opened. If the program opens the file as random and then opens the file as sequential, then to access randomly, the second function must be specified.

When the routines are called, the key being requested is found in the record area. However, since CICS requires a separate key area, the working storage copybooks have a key. The procedure copybook moves this key to the record area for any access except an add or rewrite.

The following I/O routines are called in EFAS:

EFIBANK	I/O Handling Routine for EFBANK
EFIRPTS	I/O Handling Routine for EFRPTS
EFISAFG	I/O Handling Routine for EFSAFG
EFITRAN	I/O Handling Routine for EFTRAN

Daily Programs

This section describes the daily programs for EFAS.

EFD015 – Daily File Initialization

Purpose

This program initializes the Daily Reports File and the Transaction File by placing a dummy record in each file. The file(s) to be initialized are specified by a control card. The EFTRAN file must be initialized prior to all extracts from the capture application.

API MICM Records

None

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFRPTS	Unsorted Reports File	Output	Disk	Random	220
EFTRAN	Transaction File	Output	Disk	Random	Variable

Reports

None

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 03	1	Specifies if EFRPTS is to be initialized. Valid entries are: **b** Do not initialize the file. **X** Initialize the file.
04 – 04	1	Specifies if EFTRAN is to be initialized. Valid entries are: **b** Do not initialize the file. **X** Initialize the file.
05 – 80	76	Not used.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	ADD failed on EFRPTS.
0002	CLOSE failed on EFRPTS.
0003	ADD failed on EFTRAN.
0004	CLOSE failed on EFTRAN.

Rerun Procedures

If the program aborts, check the control cards and job stream for accuracy. Correct any errors found, and rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFD020 – Institution Control File Update

Purpose

This program automatically updates the application date and the other dates necessary for processing the application. Adding, deleting, or maintaining existing institutions can be accomplished by using control cards.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2021	M21	MI2021-RECORD	Institution Holidays Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFBANK	Institution Control File	Output	Disk	Random	70
PRINTR	Report	Output	Printer	Random	132

Reports

34-902 – Institution Control File Maintenance
34-903 – Institution Control File Update

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 05	3	Institution number.
06 – 21	16	Valid entry is **b**.

Columns	Size	Description
22 – 23	2	Function codes. Valid entries are: **00** New institution. **01** Change to existing institution. **02** Delete an institution. **04** Override the current date.
24 – 25	2	Valid entry is **00**.
26 – 31	6	Current date. Format is MMDDYY.
32 – 37	6	Last processing date. Format is MMDDYY.
38 – 43	6	Next scheduled processing date. Format is MMDDYY.
44 – 49	6	Next actual processing date. Format is MMDDYY.
50 – 56	7	Process week information. There is a value for each day of the week, Sunday (1) through Saturday (7), on which processing does or does not occur, depending on the codes entered in these seven positions. Valid entries are: **b** Open and processing. **C** Closed, no processing. **N** Open, but not processing.
57 – 57	1	Process option. This option specifies whether the institution will be processed before or after a holiday. Valid entry is **B**, indicating process before a holiday.
58 – 58	1	Report print density. Valid entries are: **6** Print six lines per inch. **8** Print eight lines per inch.
59 – 59	1	Printer fiche.
60 – 80	21	Not used.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	OPEN failed for update on EFBANK.
0002	RANDOM READ failed on EFBANK.
0003	Current date on the control card is invalid.
0004	START failed on EFBANK.
0005	READ NEXT failed on EFBANK.
0006	Institution number and current date on the control card are invalid.
0007	ADD failed on EFBANK.

Code	Description
0008	REWRITE failed on EFBANK.
0010	CLOSE failed on EFBANK.

Rerun Procedures

If the program aborts, check the control cards for accuracy. Also verify that the job stream is correct. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFD035 – Online Maintenance Merge

Purpose

This program reads the Online Log File and creates records in the Report File for report 34-004, which reports the online maintenance to EFAS.

API MICM Records

Record	Ext Record Code	Name	Description
0307	M65	MI0307-RECORD	Application System Report Flags Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFBANK	Institution Control File	Input	Disk	Random	70
MILOGG	Log File	Input	Disk	Random	307
EFSORT	Sort File	I/O	Disk	Random	n/a
EFRPTS	Unsorted Reports File	Output	Disk	Random	220

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	Sort procedure was unsuccessful.
0002	START failed on EFBANK.
0003	READ NEXT failed on EFBANK.
0004	Institution 000 missing from EFBANK.
0005	READ NEXT failed on EFBANK.
0006	CLOSE failed on EFBANK.
0007	OPEN failed on MILOGG.

Code	Description
0008	READ NEXT failed on MILOGG.
0009	Form number is invalid.
0010	Field number is invalid.
0011	READ failed on MICM Record 0307.
0012	READ failed on MILOGG.
0013	CLOSE failed on MILOGG.
0015	OPEN failed on EFRPTS.
0016	ADD failed on EFRPTS.
0017	CLOSE failed on EFRPTS.

Rerun Procedures

If the program aborts, check the job stream for accuracy and verify that all previous steps were correct. If you cannot determine the cause of the abort, contact the EFAS support department. If the error is corrected, rerun the job after EFD015 has been rerun with the control card option set to initialize the EFRPTS File.

EFD200 – EFAS Posting Program

Purpose

This program reassigns float in accordance with Regulation CC. The program uses information established by MICM parameters and reads the Safeguard Order File. The input file to this program is EFTRAN, which is created by the Item Capture application. The Safeguard Order File, also input to EFD200, flags any exceptions established by personnel. Report records are generated by EFD200. These records are sorted by EFD340 and reports are produced in EFD350. A control card must be used for each institution and application to be processed. If no control card is present, no items will be extracted for EFAS processing.

API MICM Records

Record	Ext Record Code	Name	Description
0236	M59	MI0236-RECORD	Federal Holidays Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
0307	M65	MI0307-RECORD	Application System Report Flags Record
0390	M90	MI0390-RECORD	Regulation CC Institution Parameters Record
0391	M91	MI0391-RECORD	EFAS Type Processing Parameters 1 Record
0392	M92	MI0392-RECORD	EFAS Type Processing Parameters 2 Record
0393	M93	MI0393-RECORD	EFAS Type Processing Parameters 3 Record
0394	M94	MI0394-RECORD	EFAS Type Processing Parameters 4 Record
0395	M95	MI0395-RECORD	Regulation CC Exception Description Record
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2013	M13	MI2013-RECORD	Transaction Code Parameters Record

API Application Records

Ext Record Code	Name	Description
DDM	DPDDM-RECORD	DDA Master Record
SVM	DPSVM-RECORD	Savings Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card	Input	Card	Random	80
EFBANK	Institution Control File	Input	Disk	Random	70
EFSAFG	Safeguard Order File	Input	Disk	Random	107
EFTRAN	Transaction File	Input	Disk	Random	Variable
DPPOST	Posting Transaction File	Output	Disk	Random	84
EFRPTS	Unsorted Reports File	Output	Disk	Random	220

Reports

None

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
04 – 06	3	Institution number for the institution to be processed.
07 – 08	2	Application number for the application to be processed.
09 – 80	72	Not used.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	RANDOM READ failed on EFBANK.
0002	START failed on EFBANK.
0003	Institution processing table has been exhausted.
0004	READ NEXT failed on EFBANK.
0005	READ failed on MICM Record 0301.
0006	Application number on the control card is invalid.
0007-0008	Institution number on the control card is invalid.
0009-0010	Application number on the control card is invalid.
0011	Control cards are out of sequence. They must be in institution, application order.
0012	Institution processing table has been exhausted.
0013	Control cards are out of sequence. They must be in institution, application order.
0014	Application processing table has been exhausted.
0015	READ NEXT failed on EFTRAN.
0016-0017	Institution processing table has been exhausted.
0018	CLOSE failed on EFTRAN.
0019	START failed on EFSAFG.
0020	READ NEXT failed on EFSAFG.
0021	Institution zero pointer table is exhausted.
0022	The processing institutions pointer table is exhausted.
0023	START failed on EFSAFG.
0024	READ NEXT failed on EFSAFG.
0025	RANDOM READ failed on MICM Record 0001.
0026	RANDOM READ failed on EFBANK.
0027	RANDOM READ failed on MICM Record 0236.
0028	RANDOM READ failed on MICM Record 0301.
0029	RANDOM READ failed on MICM Record 0307.
0030	RANDOM READ failed on MICM Record 0390.
0031	RANDOM READ failed on MICM Record 0390, Institution 000.

Code	Description
0032	RANDOM READ failed on MICM Record 0307, Institution 000.
0033	RANDOM READ failed on MICM Record 0237.
0034	RANDOM READ failed on MICM Record 0391.
0035	RANDOM READ failed on MICM Record 0392.
0036	RANDOM READ failed on MICM Record 0393.
0037	RANDOM READ failed on MICM Record 0394.
0038	ADD failed on EFRPTS, report 34-013.
0039	ADD failed on EFRPTS, report 34-016.
0040	ADD failed on EFRPTS, report 34-011.
0041	ADD failed on EFRPTS, report 34-012.
0042	REWRITE failed on EFSAFG.
0043-0044	ADD failed on EFRPTS, report 34-010.
0045	ADD failed on EFRPTS, report 34-014.
0046	ADD failed on EFRPTS, report 34-015.
0047	ADD failed on EFRPTS, report 34-014.
0048	OPEN failed on EFRPTS.
0049	OPEN failed on EFSAFG.
0050	CLOSE failed on EFSAFG.
0051	CLOSE failed on EFRPTS.
0052	CLOSE failed on EFBANK.

Rerun Procedures

If the program aborts, check the control card for accuracy. Also verify that the job stream is set up correctly and that all previous steps were successful. In order to rerun this job the following steps are necessary:

1. Run EFD015 with the control card option set to initialize EFRPTS.
2. Run EFD035 to restore report records generated from that program.
3. Reload EFSAFG from the previous night's backup tape.
4. Run EFR820.
5. Run EFR825.
6. Run EFD200.

Note: If a preposting backup was made prior to running EFD200, those files can be restored by running EFD820 (restores the EFRPTS and EFSAFG files) and EFD200 can be rerun without following the above procedure.

If the job cannot be completed successfully, contact the EFAS support department.

Called Program

EFB001 (Float Increment Interface Module) performs the float adjustments for DDA exceptions: excessive returns, new accounts, excessive overdrafts, and high-risk accounts. The Linkage Area consists of the Interface Area EFW004, the DDA Master Record, the Transaction Record, and the MICM Records 0390, 0393, 0394. EFB001 uses the parameters on the MICM records to make the float adjustments and passes back those adjustments to the Interface Area. EFD200 adjusts the float buckets, based on the information passed to the Interface Area.

EFD340 – Reports File Sort

Purpose

This program reads the Unsorted Reports File (EFRPTS) and sorts the records according to the order specified on the MICM Record 0307. These records are output to the Sorted Reports File (EFRPT1).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFBANK	Institution Control File	Input	Disk	Random	70
EFRPTS	Unsorted Reports File	Input	Disk	Random	220
EFRPT1	Sorted Reports File	Output	Disk	Random	280

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	RANDOM READ failed on MICM Record 2001.
0002	RANDOM READ failed on MICM Record 1001.
0003	CLOSE failed on MIFMST.
0004	WRITE failed on EFRPT1.

Rerun Procedures

If the program aborts, check the job stream for accuracy. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFD350 – Daily Report Print

Purpose

This program prints the daily reports for the EFAS application. The output file from EFD340 (EFRPT1) is input to this program. Specific institutions and reports can be selected for printing using the control card. If the control card is omitted, all reports for all institutions are printed. A separate control card can be used for each institution, so that different report ranges can be specified for each institution. If the same report range for each institution is needed, use a control card specifying Institution **000** in the Institution field.

API MICM Records

Record	Ext Record Code	Name	Description
0020	M50	MI0020-RECORD	Holding Company Information Record
0021	M51	MI0021-RECORD	Region Information Record
0211	M56	MI0211-RECORD	Application Information Record
0233	M96	MI0233-RECORD	Regulation CC Institution Notice Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
0390	M90	MI0390-RECORD	Regulation CC Institution Parameters Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFBANK	Institution Control File	Input	Disk	Random	70
EFPRT1	Sorted Reports File	Input	Disk	Random	280
PRINTR	Reports	Output	Printer	Random	132

API Records

None

Reports

Report Title	Called Program
34-004 – Maintenance Journal	EFG004
34-010 – Increased Float Report	EFG010
34-011 – Safeguard Order Report	EFG011
34-012 – Expiring Safeguard Orders	EFG012
34-013 – Expedited Funds Totals	EFG013
34-014 – Notice of Extended Hold	EFG014
34-015 – Duplicate Notice of Extended Hold	EFG015
34-016 – Mandatory Availability Adjustments	EFG016

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 05	3	Institution number to be printed. Zeros in this field cause all selected reports to print for each institution on the application.
06 – 08	3	Starting report number, the lowest report number in the range specified.
09 – 11	3	Ending report number, the highest report number in the range specified.
12 – 80	69	Not used.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	RANDOM READ failed on EFBANK.
0002	Application number on the control card is invalid.
0003	Starting report number on the control card is invalid.
0004	Ending report number on the control card is invalid.
0005	Institution number on the control card is invalid.
0006-0007	Only one control card is permitted when zeros are specified in the institution number field.

Code	Description
0008	The reports record encountered has an invalid report number.
0009	RANDOM READ failed on MICM Record 0233.
0010	An invalid return code occurred from one of the report modules.
0011	RANDOM READ failed on MICM Record 1001.
0012	RANDOM READ failed on MICM Record 0390.
0013	RANDOM READ failed on MICM Record 0301.
0014	RANDOM READ failed on MICM Record 0020.
0015	RANDOM READ failed on MICM Record 2001.
0016	RANDOM READ failed on MICM Record 0021.
0017	RANDOM READ failed on MICM Record 0211 for DDA Institution 000.
0018	RANDOM READ failed on MICM Record 0211 for Credit Line, Institution 000.
0019	RANDOM READ failed on MICM Record 0211 for Savings, Institution 000.
0021	RANDOM READ failed on MICM Record 0211 for DDA.
0022	RANDOM READ failed on MICM Record 0211 for Credit Line.
0023	RANDOM READ failed on MICM Record 0211 for Savings.
0024	Control character returned from the report module is invalid.
0025	CLOSE failed on EFBANK.

Rerun Procedures

If the program aborts, check the control card and the job stream for accuracy. After correcting any errors found, rerun the job. If the job cannot be run successfully, contact the EFAS support department.

EFD800 – EFAS Files Backup

Purpose

This program backs up the required EFAS files. The program requires a control card indicating the files to back up.

API MICM Records

None

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFBANK	Institution Control File	Input	Disk	Random	70
EFRPTS	Unsorted Reports File	Input	Disk	Random	220
EFSAFG	Safeguard Order File	Input	Disk	Random	107
EFTRAN	Transaction File	Input	Disk	Random	Variable
EFBKUP	Backup File	Output	Tape	Random	Variable
PRINTR	Report	Output	Printer	Random	132

Reports

34-800 – File Backup Record Count

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 80	78	Files to be backed up. Enter any of the following values. Valid entries are: **B** Back up the Institution Control File (EFBANK). **R** Back up the Unsorted Reports File (EFRPTS). **S** Back up the Safeguard Order File (EFSAFG). **T** Back up the Transaction File (EFTRAN).

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	Control card is missing.
0002	Application number on the control card is invalid.
0003	READ NEXT failed on EFBANK.
0004	CLOSE failed on EFBANK.
0005	READ NEXT failed on EFSAFG.
0006	CLOSE failed on EFSAFG.
0007	READ NEXT failed on EFTRAN.
0008	CLOSE failed on EFTRAN.
0009	READ NEXT failed on EFRPTS.
0010	CLOSE failed on EFRPTS.

Rerun Procedures

If the program aborts, check the control card for accuracy. Also verify that the job stream is correct. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFD820 – EFAS Files Reload

Purpose

This program reloads the required EFAS files. It requires a control card, indicating the files to reload. In addition, this program merges new institutions into the application by selecting the merge option. Backup tapes for the current files and for the new institution are input. EFD820 merges the records, creating one set of files. With this program, an institution can be deleted from the application by specifying the delete option for that institution.

API MICM Records

None

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFBANK	Institution Control File	Output	Disk	Random	70
EFRPTS	Unsorted Reports File	Output	Disk	Random	220
EFSAFG	Safeguard Order File	Output	Disk	Random	107
EFTRAN	Transaction File	Output	Disk	Random	Variable
EFBKUP	Backup File	Input	Tape	Random	Variable
PRINTR	Report	Output	Printer	Random	132

Reports

34-820 – File Reload Record Count

Control Card

The control card is inserted in the job stream immediately preceding the end-of-data card and following the execute card. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 08	6	Function code. Valid entries are **RELOAD**, **MERGE**, or **DELETE**.
09 – 11	3	Institution number to delete.

Columns	Size	Description
12 – 80	69	Files to reload. Valid entries are: **B** Reload the Institution Control File (EFBANK). **R** Reload the Unsorted Reports File (EFRPTS). **S** Reload the Safeguard Order File (EFSAFG). **T** Reload the Transaction File (EFTRAN).

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	Application number on the control card is invalid.
0002	DELETE was specified without an institution number.
0003	The control card is missing.
0004	ADD failed during the reload of EFBANK.
0005	CLOSE failed on EFBANK.
0006	ADD failed during the merge of EFBANK.
0007	ADD failed during the reload of EFSAFG.
0008	CLOSE failed on EFSAFG.
0009	ADD failed during merge of EFSAFG.
0010	ADD failed during reload of EFTRAN.
0011	CLOSE failed on EFTRAN.
0012	ADD failed during merge of EFTRAN.
0013	ADD failed during reload of EFRPTS.
0014	CLOSE failed on EFRPTS.
0015	ADD failed during merge of EFRPTS.
0016	Invalid key on backup tape # 1.
0017	Invalid key on backup tape # 2.
0018	OPEN failed on EFSAFG.

Rerun Procedures

If the program aborts, check the control card for accuracy. Also verify that the VSAM delete/define of the files reloaded were successful and that the parameters used for the VSAM defines are correct. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

Recovery Programs

This section describes the recovery programs for EFAS.

EFR820 – Online Recovery Sort

Purpose

This program sorts the MICM Log File for recovery purposes. Only log records with application number '34' (designating EFAS) are selected and sorted to the Sort Work File to be processed by EFR825 (Online Recovery).

API MICM Records

None

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
MILOGG	Log File	Input	Disk	Random	307
EFSORT	Sort Work File	I/O	Disk	Random	n/a
EFLOGS	Sorted Log File	Output	Disk	Random	307

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	The sort procedure was unsuccessful.
0002	READ NEXT failed on MILOGG.
0003	CLOSE failed on MILOGG.

Rerun Procedures

If the program aborts, check the job stream for accuracy. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFR825 – Online Recovery

Purpose

This program recovers the online Safeguard Order File. To recreate all online activity to the Safeguard Order File (EFSAFG), the Sorted Log File output from EFR820 is input to this program.

Steps to recreate this file using the recovery programs:

1. Restore the EOD backup for EFSAFG from yesterday.
2. Run EFR820 (Online Recovery Sort).
3. Run EFR825 (Online Recovery).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFBANK	Institution Control File	Input	Disk	Random	170
EFLOGS	Sorted Log File	Input	Disk	Random	307
EFSAFG	Safeguard Order File	I/O	Disk	Random	107
EFWORK	Work File	I/O	Disk	Random	240

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	OPEN failed on EFSAFG.
0002	ADD failed on EFSAFG.
0003	RANDOM READ failed on EFSAFG.
0004	REWRITE failed on EFSAFG.

Code	Description
0005	DELETE failed on EFSAFG.
0006	RANDOM READ failed on EFBANK.
0007	ADD failed on EFWORK.
0008	CLOSE failed on EFSAFG.
0009	CLOSE failed on EFBANK.
0010	RANDOM READ failed on EFBANK.
0011	RANDOM READ failed on MICM Record 1001.
0014	CLOSE failed on EFBANK.
0015	OPEN failed on EFBANK.

Rerun Procedures

If the program aborts, check the control card for accuracy. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

Called Programs

This section describes the called programs for EFAS.

EFJ2DP84 – Transaction Formatter

Purpose

This program formats the transaction output by EFAS to the transaction format for release 8.4 of Deposits. This program is called by EFD200. The transaction is reformatted and output to the DPPOST file. The transaction is then input to the Deposits DPD120 program. For more information about the DPPOST file or the DPD120 (Transaction Sort) program, refer to the Deposits ***Reference Guide***.

API MICM Records

None

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
DPPOST	Posting Transaction File	Output	Disk	Sequential	84

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	WRITE failed on DPPOST.

Rerun Procedures

None

EFK2DP84 – DDA and Savings Master File Interface

Purpose

Interfaces to release 8.4 of the DDA and Savings Master Records. The program, called by EFD200, passes EFK2DP84 the key for the requested record. EFK2DP84 reads the record, moves the necessary information to the linkage area, and returns to EFD200, where processing continues. For more information about the DDA and Savings Master Records, refer to the Deposits ***Reference Guide***.

API MICM Records

None

API Application Records

Ext Record Code	Name	Description
DDM	DPDDM-RECORD	DDA Master Record
SVM	DPSVM-RECORD	Savings Master Record

Files

None

Reports

None

Control Card

None

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	Invalid application passed in the linkage area.
0002	OPEN failed on DDM.
0003	READ failed on DDM.
0004	OPEN failed on SVM.
0005	READ failed on SVM.
0006	CLOSE failed on DDM.

Rerun Procedures

None

Chapter

9

Application Files

This chapter describes the files and records maintained and used by EFAS. Included are all of the permanent and temporary files and all input data formats. MICM records are described in the MICM Records chapter of the MICM ***Reference Guide*** and records accessed through API are described in the API Records chapter of the Deposits ***Reference Guide***.

Each file and record is introduced by a brief narrative defining the type of information contained and how it is used. A detailed description of each record follows. This description contains the field name as it is used in the programs, the mode in which it is stored, the COBOL picture used to define the field, displacement information and a description of the field and the data it contains. Blocking factors vary by disk type and access method. (Refer to the Batch Programs chapter or the VSAM catalog listings for blocking factors.)

Record Descriptions

This section contains detailed record layouts. When several files contain the same record, the record is described once. All subsequent occurrences of that record refer to the original description. When two records have the same format but different names, both record names are given, referring to the record that contains the field descriptions. Occasionally, a single record is divided into multiple records, using a redefines clause. When this occurs, each redefinition is preceded by a record description, as if it were an independent record.

Each record layout consists of fields that are described by the following headings:

Field Name Actual COBOL name used in the record.

Level Level number of the field, as assigned in the COBOL record.

Mode Type of field defined. The following codes are used:

- **B** Binary data only. Refers to COMPUTATIONAL half word (2-byte), full word (4-byte), and double word (8-byte) fields. Fields can be signed or unsigned.
- **C** Character or alphanumeric data.
- **G** Group. Represents the fields immediately following.
- **N** Numeric data only.
- **NS** Numeric data with sign.
- **P** Packed numeric data. Refers to unsigned COMPUTATIONAL-3 fields.
- **PS** Packed numeric data with sign. Refers to signed COMPUTATIONAL-3 fields.
- **R** Record. This field usually represents the entire record.

Picture COBOL format of the field indicating the field's content, length, whether it is signed or unsigned, and decimal position.

Displacement Starting and ending position of the field. The first position used is '1'. If the field is defined with an OCCURS clause, the displacement is represented in one of two ways. When the field has a mode of 'G', the displacement represents the total length of the field multiplied by the number of occurrences. For all other modes, the displacement represents the length of the first occurrence of the field. When a field has a variable length, a 'V' is placed in the second, or ending, position of the displacement.

EFBANK – Institution Control File

This file contains one record for the application (institution 000), and one record for each institution processed. The Institution Control File consists of the weekly processing schedule, various dates, and the option of printing reports at 6 or 8 lines per inch. This file is created in program EFC020 (Institution Control File Conversion), and it is updated in EFD020 (Institution Control File Update).

File Statistics

File Type	Disk
Access Method	VSAM, Key-sequence Data Set
Key Length	0003 Bytes
Key Displacement	0000 Bytes
External Name	EFBANK

Record Name	Library Name	Record Length
EFBANK-RECORD	EFSBANK	0070 Bytes

EFBANK-RECORD – Institution Control Record

The following record description shows the format for the Institution Control Record.

Field Name	Level	Mode	Picture	Displacement	
EFBANK-RECORD Institution Control Record.	01	R		1	70
EFBANK-BKNBRG Institution Number.	03	G		1	3
EFBANK-INST Institution Number.	05	N	9(03)	1	3
EFBANK-CURDT Current Date. Julian format is YYYYDDD.	03	PS	S9(07)	4	7
EFBANK-LPROCDT Last Process Date. Julian format is YYYYDDD.	03	PS	S9(07)	8	11
EFBANK-NPROCDTS Next Scheduled Process Date. Julian format is YYYYDDD.	03	PS	S9(07)	12	15
EFBANK-NPROCDTA Next Actual Process Date. Julian format is YYYYDDD. This date cannot agree with the next scheduled date when a holiday occurs.	03	PS	S9(07)	16	19
EFBANK-FIRSTDOY First Day of the Year, January 1. Julian format is YYYYDDD.	03	PS	S9(07)	20	23

Field Name	Level	Mode	Picture	Displacement	
EFBANK-LASTDOY	03	PS	S9(07)	24	27

Last Day of the Year, December 31. Julian format is YYYYDDD.

EFBANK-FIRSTDOM	03	PS	S9(07)	28	31

First Day of the Current Month. Julian format is YYYYDDD.

EFBANK-LASTDOM	03	PS	S9(07)	32	35

Last Day of the Current Month. Julian format is YYYYDDD.

EFBANK-FIRSTDOW	03	PS	S9(07)	36	39

First Day of the Current Week. Julian format is YYYYDDD.

EFBANK-LASTDOW	03	PS	S9(07)	40	43

Last Day of the Current Week. Julian format is YYYYDDD.

EFBANK-WEEKFLAG	03	C	X(01)	44	44

Week Process Flag. Indicates the first and last processing day of the week. Valid entries are:

- **B** Both the first or last processing date of the week.
- **F** First processing day of the week.
- **L** Last processing day of the week.

EFBANK-MONFLAG	03	C	X(01)	45	45

Month Process Flag. Indicates the first or last processing day of the month. Valid entries are:

- **B** Both the first and last processing day of the month.
- **F** First processing day of the month.
- **L** Last processing day of the month.

EFBANK-PROCWK	03	G		46	52

Process Week Days. These seven positions correspond to the days of the week with Sunday in the first position. These codes indicate if the institution is processing on a particular day and, if not, whether the institution is open or closed. Valid entries are:

- **b** Open and processing.
- **C** Closed. No processing today.
- **N** Open but no processing.

EFBANK-PWDAY	05	C	X(01)	46	46

OCCURS 7 TIMES. Individual Process Week Days. Allows reference to each processing day individually.

EFBANK-PROCFLAG	03	C	X(01)	53	53

Process Flag. Set by the Institution Control File update program to show if this institution is processing. Valid entries are:

- **b** Processing day.
- **D** Delete record.
- **N** Not a processing day.

Field Name	Level	Mode	Picture	Displacement	
EFBANK-DAY	03	N	9(01)	54	54

Current Day of the Week. Valid entries are **1 – 7**, beginning with Sunday.

EFBANK-PROCOP	03	C	X(01)	55	55

Process Option. Indicates if processing is done before or after a holiday. Valid entries are:

- **A** Process after holiday.
- **B** Process before holiday.

EFBANK-INCH	03	C	X(01)	56	56

Report Lines per Inch. This information is only found on the Institution 000 Record. Valid entries are:

- **6** Six lines per inch.
- **8** Eight lines per inch.

EFBANK-SELECT	03	C	X(01)	57	57

Not used.

EFBANK-PRINTFICHE	03	N	9(01)	58	58

Print/Fiche Code. This entry is used to determine the print/fiche option to be used for all reports not associated with a print/fiche code on the Master Information and Control Record or not controlled by control card input. Valid entries are:

- **1** Print only.
- **2** Print and fiche.
- **3** Fiche only.

FILLER	03	C	X(12)	59	70

Not used.

EFBKUP – Backup File

This file contains a copy of the following EFAS Files:

- Institution Control File
- Safeguard Order File
- Transaction File
- Unsorted Reports File

The Backup File is created in EFD800 (EFAS Files Backup) program, and it is used as input for EFD820 (EFAS Files Reload) program.

File Statistics

File Type Tape
External Name EFBKUP

Record Name	Library Name	Record Length
EFBKUP-RECORD	EFSBANK EFSRPTS EFSSAFG EFSTRAN	Varies by record

EFBKUP-RECORD – Backup Record

The following record description shows the format of the Backup Record. This record precedes each file on the backup tape and designates which specific file follows. The remaining records are variable in length, depending on the specific file.

Field Name	Level	Mode	Picture	Displacement	
EFBKUP-RECORD Backup Record.	01	G		1	80
EFBKUP-KEY Key of Backup Record.	03	G		1	4
EFBKUP-BKNBR Institution Number.	05	N	9(03)	1	3
EFBKUP-FILECD File Designation Code. Valid entries are: **B** Institution Control File. **R** Unsorted Reports File. **S** Safeguard Order File. **T** Transaction File.	05	C	X(01)	4	4
EFBKUP-DATA Variable length – up to 116 characters.	03	C	X(116)	5	120

EFRPTS – Unsorted Reports File

This file is created by program EFD200 (EFAS Posting Program).

File Statistics

File Type	Disk
Access Method	VSAM, Entry-sequenced Data Set
External Name	EFRPTS

Record Name	Library Name	Record Length
EFRPTS-RECORD	EFSRPTS	0220 Bytes

EFRPTS-RECORD – Unsorted Reports Record

The following record description shows the format of the Unsorted Reports Record.

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-RECORD Unsorted Reports Record.	01	R		1	220
EFRPTS-BKNBR Institution Number.	03	PS	S9(03)	1	2
EFRPTS-BRANCH Branch Number.	03	PS	S9(05)	3	5
EFRPTS-TYPE Account Type Number.	03	PS	S9(03)	6	7
EFRPTS-ACCT Account Number.	03	P	9(18)	8	17
EFRPTS-RT REDEFINES EFRPTS-ACCT.	03	P	9(18)	8	17
EFRPTS-OFFICER Officer Code.	03	C	X(09)	18	26
EFRPTS-ADES Account Designation.	03	C	X(01)	27	27
EFRPTS-INTERFACE MICM Interface.	03	G		28	77
EFRPTS-IFCUST1 Primary Customer Key.	05	C	X(10)	28	37

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-IFCUST2 Secondary Customer Key.	05	C	X(10)	38	47
EFRPTS-IFCODE Connector Code.	05	C	X(01)	48	48
EFRPTS-IFMOD Address Modification Line.	05	C	X(12)	49	60
EFRPTS-IFALT Alternate Address Indicator. Valid entries are: **b** No alternate address. **Y** Use alternate address.	05	C	X(01)	61	61
EFRPTS-IFUSE Secondary Customer Name Use Code. Valid entries are: **b** Use secondary customer name as the second line of address. **F** Use secondary customer name as the first line of address. **N** Do not use.	05	C	X(01)	62	62
EFRPTS-IFSHORT Customer's Short Name.	05	C	X(15)	63	77
EFRPTS-SEQNBRX REDEFINES EDRPTS-INTERFACE.	03	G		28	77
EFRPTS-SEQNBR Sequence Number.	05	B	S9(04)	28	29
FILLER Not used.	05	C	X(48)	30	77
EFRPTS-RPTNBR Report Number.	03	PS	S9(05)	78	80
EFRPTS-RPTCTL Report Sort Code.	03	C	X(05)	81	85
EFRPTS-ONLINE Information for the Maintenance Journal (34-004).	03	G		86	89
EFRPTS-DATE Online Date Change Indicator. Date change was made online.	05	PS	S9(07)	86	89
EFRPTS-OPERID Online Operator ID.	05	C	X(04)	90	93

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-TIME	05	PS	S9(07)	94	97
Online Time Change (in HHMMSS format).					
EFRPTS-DATA	03	C	X(123)	98	220
EFRPTS-DATARPT04	03	G		98	220
REDEFINES EFRPTS-DATA. This area is used for the Online Maintenance Journal (34-004).					
EFRPTS-004TRMID	05	PS	S9(07)	98	101
Terminal ID. ID used when entering this maintenance.					
EFRPTS-004OPERID	05	C	X(04)	102	105
Operator ID. Identification of the operator who entered the maintenance.					
EFRPTS-004TIME	05	PS	S9(07)	106	109
Operator Who Performed the Maintenance.					
EFRPTS-004MNTDT	05	PS	S9(07)	110	113
Maintenance Date.					
EFRPTS-004FORMNBR	05	N	9(02)	114	115
Form Number.					
EFRPTS-004CRDNBR	05	N	9(02)	116	117
Card Number.					
EFRPTS-004FLDNBR	05	N	9(03)	118	120
Field Number.					
EFRPTS-004SEQNBR	05	N	9(01)	121	121
Sequence Number.					
EFRPTS-004DATAMAINT	05	G		122	201
Group Level Area for Old and New Data from the Maintenance.					
EFRPTS-004FROM	07	C	X(40)	122	161
Value of Field Prior to Maintenance.					
EFRPTS-004TO	07	C	X(40)	162	201
Value of Field After Maintenance.					
EFRPTS-004DATANEW	05	G		122	201
REDEFINES EFRPTS-004DATAMAINT.					
EFRPTS-004DBACCTNBR	07	P	9(18)	122	131
Debit Account Number.					

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-004DBAMOUNT Debit Amount.	07	PS	S9(11)V99	132	138
EFRPTS-004CRAPPL Credit Account Application Number.	07	C	X(03)	139	141
EFRPTS-004CRACCTNBR Depositor Account Number.	07	P	9(18)	142	151
EFRPTS-004STRDATE Order Effective Date.	07	PS	S9(07)	152	155
EFRPTS-004EXPDATE Order Expiration Date.	07	PS	S9(07)	156	159
EFRPTS-004LMTLIBBKFLT Increment for Bank Float for Limited Liability Items.	07	N	9(02)	160	161
EFRPTS-004LMTLIBCUSTFLT Increment for Customer Float for Limited Liability Items.	07	N	9(02)	162	163
EFRPTS-004BKFLT Increment for Bank Float for All Items Not Considered Limited Liability.	07	N	9(02)	164	165
EFRPTS-004CUSTFLT Increment for Customer Float for All Items Not Considered Limited Liability.	07	N	9(02)	166	167
EFRPTS-004NOTICECODE Code Tied to Description Used on the Customer's Notice.	07	PS	S9(03)	168	169
EFRPTS-004USERINFO User-defined Area.	07	C	X(30)	170	199
FILLER Not used.	07	C	X(02)	200	201
EFRPTS-004EMPID Not used.	05	C	X(10)	202	211
FILLER Not used.	05	C	X(09)	212	220
EFRPTS-DATARPT10 REDEFINES EFRPTS-DATA. This area is used for the Increased Float Report (34-010).	03	G		98	220
EFRPTS-010CRACCT Depositor Account Number.	05	P	9(18)	98	107

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-010CRAPPL Depositor Application Number.	05	N	9(02)	108	109
EFRPTS-010DEPAMT Original Deposit Amount.	05	PS	S9(11)V99	110	116
EFRPTS-010FLTAMT Dollar Amount of Float to be Extended.	05	PS	S9(09)V99	117	122
EFRPTS-010CHKACCT Deposit Check Account Number.	05	P	9(18)	123	132
EFRPTS-010CHKRTR Deposit Check Routing-transit Number.	05	N	9(09)	133	141
EFRPTS-010BKFLT Business Days Incremented for Bank Float.	05	N	9(02)	142	143
EFRPTS-010CUSTFLT Business Days Incremented for Customer Float.	05	N	9(02)	144	145
EFRPTS-010AVLDATE Float Amount Availability Date.	05	PS	S9(07)	146	149
EFRPTS-010NOTICEIND Indicates a Notice Has Been Produced.	05	C	X(01)	150	150
EFRPTS-010NSFOPT NSFOD Option from Deposits. Determines if the NSF available balance is based on institution collected, customer collected, or ledger balance.	05	C	X(01)	151	151
EFRPTS-010EXPRSN Reason for the Exception.	05	C	X(20)	152	171
EFRPTS-010DSRSN1 Discretionary Information 1. Contains sensitive information that does not show on the notice but prints on the report.	05	C	X(20)	172	191
EFRPTS-010DSRSN2 Discretionary Information 2. Contains sensitive information that does not show on the notice but prints on the report.	05	C	X(20)	192	211
FILLER Not used.	05	C	X(09)	212	220
EFRPTS-DATARPT11 REDEFINES EFRPTS-DATA. Area is used for the Safeguard Order Report (34-011).	03	G		98	220

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-011RTR Routing-transit Number of the Safeguard Order.	05	N	9(09)	98	106
EFRPTS-011SEQNBR Sequence Number of the Safeguard Order.	05	N	9(05)	107	111
EFRPTS-011DEPACCT Account Number on the Debit Item Matching this Safeguard Order.	05	P	9(18)	112	121
EFRPTS-011AMOUNT Amount of the Debit Item that Matches this Safeguard Order.	05	PS	S9(11)V99	122	128
EFRPTS-011APPL Application Number of the Credit Account.	05	C	X(03)	129	131
EFRPTS-011CRACCT Account Number of the Depositor Who Deposited the Item that Matches this Safeguard Order.	05	P	9(18)	132	141
EFRPTS-011LMTLIBBKFLT Bank Float for Limited Liability Items.	05	N	9(02)	142	143
EFRPTS-011LMTLIBCUSTFLT Customer Float for Limited Liability Items.	05	N	9(02)	144	145
EFRPTS-011BKFLT Bank Float for All Items Not Considered Limited Liability.	05	N	9(02)	146	147
EFRPTS-011CUSTFLT Customer Float for All Items Not Considered Limited Liability.	05	N	9(02)	148	149
EFRPTS-011STRDATE Date the Order Takes Effect. (Default is current date.)	05	PS	S9(07)	150	153
EFRPTS-011EXPDATE Expiration Date of the Exception Order. If omitted, this date is calculated based on the MICM 0390 safeguard order days field.	05	PS	S9(07)	154	157
EFRPTS-011EXPIND Expiration Indicator of the Exception Order. Valid entry is **E**, indicating expired.	05	C	X(01)	158	158
EFRPTS-011EMPLID 10-character Name of Person Entering Order.	05	C	X(10)	159	168
EFRPTS-011NOTICEDESC Three-digit Code for Customer Description Notice.	05	C	X(03)	169	171

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-011COMMENTS 30-character User Information.	05	C	X(30)	172	201
FILLER Not used.	05	C	X(19)	202	220
EFRPTS-DATARPT12 REDEFINES EFRPTS-DATA. This area is used for the Expiring Safeguard Orders report (34-012).	03	G		98	220
EFRPTS-012RTR Routing-transit Number of the Safeguard Order.	05	N	9(09)	98	106
EFRPTS-012SEQNBR Sequence Number of the Expiring Safeguard Order.	05	PS	S9(05)	107	109
EFRPTS-012DEPACCT Account Number on the Debit Item Matching This Safeguard Order.	05	P	9(18)	110	119
EFRPTS-012AMOUNT Amount of the Debit Item That Matches This Safeguard Order.	05	PS	S9(11)V99	120	126
EFRPTS-012CRACCT Account Number of the Depositor Who Deposited the Item That Matches This Safeguard Order.	05	P	9(18)	127	136
EFRPTS-012CRAPPL Application Number of the Credit Account.	05	C	X(03)	137	139
EFRPTS-012LMTLIBBKFLT Bank Float for Limited Liability Items.	05	N	9(02)	140	141
EFRPTS-012LMTLIBCUSTFLT Customer Float for Limited Liability Items.	05	N	9(02)	142	143
EFRPTS-012BKFLT Bank Float for All Items Not Considered Limited Liability.	05	N	9(02)	144	145
EFRPTS-012CUSTFLT Customer Float for All Items Not Considered Limited Liability.	05	N	9(02)	146	147
EFRPTS-012STRDATE Date the Order Takes Effect. (Default is current date.)	05	PS	S9(07)	148	151
EFRPTS-012EXPDATE Expiration Date of the Exception Order.	05	PS	S9(07)	152	155
FILLER Not used.	05	C	X(65)	156	220

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-DATARPT13	03	G		98	220
REDEFINES EFRPTS-DATA. This area is used for the Expedited Funds Totals report (34-013).					
EFRPTS-013APPL	05	N	9(02)	98	99
Application Number.					
EFRPTS-013DBCNT	05	PS	S9(07)	100	103
Number of Debit Items Processed.					
EFRPTS-013DBAMT	05	PS	S9(11)V99	104	110
Amount of Debit Items Processed.					
EFRPTS-013CRCNT	05	PS	S9(07)	111	114
Number of Credit Items Processed.					
EFRPTS-013CRAMT	05	PS	S9(11)V99	115	121
Amount of Credit Items Processed.					
EFRPTS-013TOTLFLT	05	PS	S9(09)V99	122	127
Total Dollar Amount of Float Allocated.					
EFRPTS-013BKFLT	05	PS	S9(09)V99	128	133
Total Dollar Amount of Bank Float.					
EFRPTS-013CUSTFLT	05	PS	S9(09)V99	134	139
Total Dollar Amount of Customer Float.					
FILLER	05	C	X(81)	140	220
Not used.					
EFRPTS-DATARPT14	03	G		98	220
REDEFINES EFRPTS-DATA. This area is used for Notice of Extended Hold (34-014).					
EFRPTS-014CRACCT	05	P	9(18)	98	107
Account Number Receiving the Float Extension.					
EFRPTS-014CRAPPL	05	N	9(02)	108	109
Application Number of the Account Receiving the Float Extension.					
EFRPTS-014AVLDATE	05	PS	S9(07)	110	113
Date Funds Will Be Made Available.					
EFRPTS-014DEPAMT	05	PS	S9(11)V99	114	120
Amount of the Deposit.					
EFRPTS-014BSDAYS	05	PS	S9(03)	121	122
Number of Business Days the Float Will Be in Effect.					

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-014CHKAMT Amount of the Check.	05	PS	S9(11)V99	123	129
EFRPTS-014HLDAMT Amount of the Additional Hold.	05	PS	S9(11)V99	130	136
EFRPTS-014EXPRSN Reason for the Float Extension.	05	C	X(20)	137	156
FILLER Not used.	05	C	X(64)	157	220
EFRPTS-DATARPT15 REDEFINES EFRPTS-DATA. This area is used for Duplicate Notice of Extended Hold (34-015).	03	G		98	220
EFRPTS-015CRACCT Account Number Receiving the Float Extension.	05	P	9(18)	98	107
EFRPTS-015CRAPPL Application Number of the Account Receiving the Float Extension.	05	N	9(02)	108	109
EFRPTS-015AVLDATE Date the Funds Will Be Made Available.	05	PS	S9(07)	110	113
EFRPTS-015DEPAMT Amount of the Deposit.	05	PS	S9(11)V99	114	120
EFRPTS-015BSDAYS Number of Business Days the Float Will Be in Effect.	05	PS	S9(03)	121	122
EFRPTS-015CHKAMT Amount of the Check.	05	PS	S9(11)V99	123	129
EFRPTS-015HLDAMT Amount of the Additional Hold.	05	PS	S9(11)V99	130	136
EFRPTS-015EXPRSN Reason for the Float Extension.	05	C	X(20)	137	156
FILLER Not used.	05	C	X(64)	157	220
EFRPTS-DATARPT16 REDEFINES EFRPTS-DATA. This area is used for the Mandatory Availability Adjustments report (34-016).	03	G		98	220

Field Name	Level	Mode	Picture	Displacement	
EFRPTS-016CRACCT	05	P	9(18)	98	107
Account Number of the Deposit Reported.					
EFRPTS-016APPL	05	N	9(02)	108	109
Application Code of the Depositor's Account.					
EFRPTS-016DEPAMT	05	PS	S9(11)V99	110	116
Total Dollar Amount Deposited Today for the Account Number Reported.					
EFRPTS-016NXTAVLAMT	05	PS	S9(09)V99	117	122
Next Available Amount. Total dollar amount of the deposit that will be given next-day availability prior to any adjustments, if the account has not had a DDA exception invoked. If the account has had a DDA exception invoked, the amount made available through Mandatory Availability processing will be reflected in this total.					
EFRPTS-016OTHFLT	05	PS	S9(09)V99	123	128
Other Float Amount. Total dollar amount of all other float generated for the account prior to any mandatory availability adjustments.					
EFRPTS-016FNDADJ	05	PS	S9(09)V99	129	134
Adjusted Float Amount. Total dollar amount of float adjusted to next-day availability based on MICM processing requirements and mandatory availability requirements.					
EFRPTS-016TYPE	05	C	X(04)	135	138
Type of Float Record Adjusted. There could be two entries for each account, institution and customer, or there could be one entry for institution or customer, depending on the MICM options set for processing.					
EFRPTS-016EXCP	05	C	X(01)	139	139
Exception Account Indicator. This field indicates that the account is an exception account. Refer to the other reports to determine float allocations. Valid entries are: **E** Excessive deposit exception. **D** DDA exception.					
FILLER	05	C	X(81)	140	220
Not used.					

EFSAFG – Safeguard Order File

This file is created by the online program EFL001 (Safeguard Order File Inquiry). This file is used for exception processing in EFD200 (EFAS Posting Program).

File Statistics

File Type	Disk
Access Method	VSAM, Key-sequence Data Set
Key Length	0016 Bytes
Key Displacement	0000 Bytes
External Name	EFSAFG

Record Name	Library Name	Record Length
EFSAFG-RECORD	EFSSAFG	0107 Bytes

EFSAFG-RECORD – Safeguard Order Record

The following record description shows the format of the Safeguard Order Record.

Field Name	Level	Mode	Picture	Displacement	
EFSAFG-RECORD Safeguard Order Record.	01	R		1	107
EFSAFG-KEY Key of Safeguard Order Record.	03	G		1	16
EFSAFG-INST Institution Number. Number to which the safeguard order exception applies.	05	N	9(03)	1	3
EFSAFG-RTGNBR Routing-transit Number of the Debit.	05	N	9(09)	4	12
EFSAFG-RSEQNBR Sequence Number of the Routing-transit Number Entered.	05	N	9(04)	13	16
EFSAFG-DATA	03	G		17	107
EFSAFG-DBACCT Account Number of the Debit.	05	P	9(18)	17	26
EFSAFG-DBAMOUNT Amount of the Debit.	05	PS	S9(11)V99	27	33
EFSAFG-CRAPPL Application Code of the Depositor.	05	C	X(03)	34	36

Field Name	Level	Mode	Picture	Displacement	
EFSAFG-CRACCT Account Number of the Depositor.	05	P	9(18)	37	46
EFSAFG-STRDATE Date When Order Takes Effect (Default is current date.).	05	PS	S9(07)	47	50
EFSAFG-EXPDATE Expiration Date of the Exception Order.	05	PS	S9(07)	51	54
EFSAFG-LLBKFLT Bank Float for Limited Liability Items.	05	N	9(02)	55	56
EFSAFG-LLCSFLT Customer Float for Limited Liability Items.	05	N	9(02)	57	58
EFSAFG-BKFLT Bank Float for All Items Not Considered Limited Liability.	05	N	9(02)	59	60
EFSAFG-CSFLT Customer Float for All Items Not Considered Limited Liability.	05	N	9(02)	61	62
EFSAFG-NOTCCODE Three-digit Code for the Customer Description Notice.	05	P	9(03)	63	64
EFSAFG-USERINFO 22-character Institution's comment.	05	C	X(22)	65	86
EFSAFG-EMPID 10-character Name of Person Entering Order.	05	C	X(10)	87	96
EFSAFG-STATUS Status.	05	C	X(01)	97	97
FILLER Not used.	05	C	X(10)	98	107

EFTRAN – Transaction File

This file has formats for each of the following transaction types:

- Transaction Type 1 is for debit items
- Transaction Type 8 is for debit or credit items with no description records
- Transaction Type 9 is for debit or credit items with description records

File Statistics

File Type	Disk
Access Method	VSAM, Entry-sequenced Data Set
External Name	EFTRAN

Record Name	Library Name	Record Length
EFTRAN-RECORD	EFSTRAN	190
EFTRA1REC	EFSTRAN	100
EFTRA8REC	EFSTRAN	130
EFTRA9REC	EFSTRAN	190

Transaction Record 0

The following record description shows the format for Transaction Record 0.

Field Name	Level	Mode	Picture	Displacement	
TOTAL-RECORD Transaction Record.	01	R		1	190
EFTRAN-0KEY Record Key.	03	G		1	36
EFTRAN-0KBKNBR Institution Number.	05	N	9(03)	1	3
EFTRAN-0KAPPL Application Number.	05	N	9(02)	4	5
EFTRAN-0KACCOUNT Account Number Taken from the Deposit.	05	N	9(18)	6	23
EFTRAN-0KSEQ Sequence Number from the Capture System.	05	N	9(13)	24	36
EFTRAN-0RECTYPE Record Type. Valid entries are: **1** Transaction Type 1. **8** Transaction Type 8. **9** Transaction Type 9.	03	C	X(01)	37	37

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-0DBCRIND Debit or Credit Indicator. Valid entries are: **C** Credit. **D** Debit.	03	C	X(01)	38	38
EFTRAN-0DATA Data.	03	C	X(152)	39	190

Transaction Record 1

The following record description shows the format for Transaction Record 1, which is used for transit items.

Field Name	Level	Mode	Picture	Displacement	
EF-TRA1REC Transaction Record Format 1.	01	R		1	100
EFTRAN-1KEY Record Key.	03	G		1	36
EFTRAN-1KBKNBR Institution Number.	05	N	9(03)	1	3
EFTRAN-1KAPPL Application Number.	05	N	9(02)	4	5
EFTRAN-1KACCOUNT Account Number Taken from the Deposit (credit).	05	N	9(18)	6	23
EFTRAN-1KSEQ Sequence Number from the Capture System.	05	N	9(13)	24	36
EFTRAN-1RECTYPE Record Type. Valid entry is **1**.	03	C	X(01)	37	37
EFTRAN-1DBCRIND Debit or Credit Indicator. Valid entries are: **C** Credit. **D** Debit.	03	C	X(01)	38	38
EFTRAN-DATA1 Data 1.	03	G		39	100

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-1AUXONUS Auxiliary On-us Field (field seven from check).	05	PS	S9(11)	39	44
EFTRAN-1RTR Routing-transit Number.	05	P	9(09)	45	49
EFTRAN-1ACCOUNT Account Number. Number from the check or debit item (field three).	05	P	9(18)	50	59
EFTRAN-1AMT Check Amount.	05	PS	S9(09)V99	60	65
EFTRAN-1FLOATB Bank Float Values (0 – 9).	05	PS	S9(02)	66	67
EFTRAN-1FLOATC Customer Float Values (0 – 30).	05	PS	S9(02)	68	69
EFTRAN-1AMTFLOATB Amount of Bank Float.	05	PS	S9(09)V99	70	75
EFTRAN-1AMTFLOATC Amount of Customer Float.	05	PS	S9(09)V99	76	81
EFTRAN-1TRANSTYPE Transaction Type. Valid entries are: **1** Government. **2** Local. **3** Nonlocal. **4** Noncontiguous. **5** On-us check. **6** Cash. **7** Any noncheck or other internal debit.	05	N	9(02)	82	83
EFTRAN-1FILMSEQ Microfilm Sequence Number.	05	P	9(09)	84	88
FILLER Not used.	05	C	X(12)	89	100

Transaction Record 8

The following record description shows the format for the Transaction Record 8, which is used for debit or credit items with no description records.

Field Name	Level	Mode	Picture	Displacement	
EF-TRA8REC Transaction Record Format 8.	01	R		1	130
EFTRAN-8KEY Record Key.	03	G		1	36
EFTRAN-8KBKNBR Institution Number.	05	N	9(03)	1	3
EFTRAN-8KAPPL Application Number. Valid entries are: **01** DDA. **03** Credit Line. **04** Savings.	05	N	9(02)	4	5
EFTRAN-8KACCOUNT Account Number Taken from the Deposit.	05	N	9(18)	6	23
EFTRAN-8KSEQ Sequence Number from the Capture System.	05	N	9(13)	24	36
EFTRAN-8RECTYPE Record Type. Valid entry is **8**.	03	C	X(01)	37	37
EFTRAN-8DBCRIND Debit or Credit Indicator. Valid entries are: **C** Credit. **D** Debit.	03	C	X(01)	38	38
EFTRAN-8NOTICEIND Notice Sent Indicator (used by Infopoint Transaction Gateway (Teller). Valid entries are: **N** Notice not given to customer. **Y** Notice given to customer.	03	C	X(01)	39	39
EFTRAN-DATA8 Transaction Data.	03	G		40	130
EFTRAN-8ADES Account Designation Codes. Valid entries for DPD120 (Transaction Sort) are: **D** DDA. **O** Credit Line. **S** Savings.	05	C	X(01)	40	40

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-8ACCOUNT On-us Account Number (taken from the item).	05	P	9(18)	41	50
EFTRAN-8ITC Internal Transaction Code.	05	N	9(04)	51	54
EFTRAN-8DRCR Debit/Credit Code. Valid entries are: **0 – 5** Credit. **6 – 8** Debit.	05	C	X(01)	55	55
EFTRAN-8EFFDT Effective Date of Transaction. Format is YYYYDDD.	05	PS	S9(07)	56	59
EFTRAN-8AMT Transaction Amount.	05	PS	S9(09)V99	60	65
EFTRAN-8SERIAL Transaction Serial Number.	05	PS	S9(11)	66	71
EFTRAN-8SEQ Sequence Number from the Capture System.	05	PS	S9(13)	72	78
EFTRAN-8EXTC External Transaction Code.	05	N	9(04)	79	82
EFTRAN-8SOURCE Source of Transaction.	05	N	9(04)	83	86
EFTRAN-8TOD Time of Day (in HHMM format).	05	N	9(04)	87	90
EFTRAN-8FDAYS Number of Float Days When the Transaction Code is '10'.	05	PS	S9(03)	91	92
EFTRAN-8INIT Transaction Initiation Date.	05	PS	S9(07)	93	96
EFTRAN-8IDISP Not used.	05	C	X(01)	97	97
EFTRAN-8TRANSIT Number of Transit Items Deposited – Credits Only.	05	PS	S9(05)	98	100
EFTRAN-8ONUS Number of On-us Items Deposited – Credits Only.	05	PS	S9(05)	101	103

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-8CASH Amount of Cash Deposited – Credits Only.	05	PS	S9(07)	104	107
EFTRAN-8CODE Record Type Code. Valid entries are: ~~**b**~~ Transaction data. **D** Description.	05	C	X(01)	108	108
EFTRAN-8FILMSEQ Microfilm Sequence Number.	05	P	9(09)	109	113
EFTRAN-8ORGSOURCE Source Origin Number.	05	P	9(09)	114	118
EFTRAN-8STATYPE Not used.	05	C	X(01)	119	119
FILLER Not used.	05	C	X(11)	120	130

Transaction Record 9

The following record description shows the format for the Transaction Record 9, which is used for debits and credits with description records.

Field Name	Level	Mode	Picture	Displacement	
EF-TRA9REC Transaction Record Format 9.	01	R		1	190
EFTRAN-9KEY Record Key.	03	G		1	36
EFTRAN-9KBKNBR Institution Number.	05	N	9(03)	1	3
EFTRAN-9KAPPL Application Number. Valid entries are: **01** DDA. **03** Credit Line. **04** Savings.	05	N	9(02)	4	5
EFTRAN-9KACCOUNT Account Number taken from the Deposit (credit).	05	N	9(18)	6	23

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-9KSEQ	05	N	9(13)	24	36
Sequence Number from the Capture System.					
EFTRAN-9RECTYPE	03	C	X(01)	37	37
Record Type. Valid entry is **9**.					
EFTRAN-9DBCRIND	03	C	X(01)	38	38
Debit or Credit Indicator. Valid entries are: **C** Credit. **D** Debit.					
EFTRAN-9NOTICEIND	03	C	X(01)	39	39
Notice Sent Indicator Used by Infopoint Transaction Gateway (Teller). Valid entries are: **N** Notice not given to customer. **Y** Notice given to customer.					
EFTRAN-DATA9	03	G		40	190
Transaction Data.					
EFTRAN-9ADES	05	C	X(01)	40	40
Account Designation Codes. Valid entries for DPD120 (Transaction Sort) are: **D** DDA. **O** Credit Line. **S** Savings.					
EFTRAN-9ACCOUNT	05	P	9(18)	41	50
On-us Account Number Taken from the Item.					
EFTRAN-9ITC	05	N	9(04)	51	54
Internal Transaction Code.					
EFTRAN-9DRCR	05	C	X(01)	55	55
Debit/Credit Code. Valid entries are: **0 – 5** Credit. **6 – 8** Debit.					
EFTRAN-9EFFDT	05	PS	S9(07)	56	59
Transaction Effective Date. Format is YYYYDDD.					
EFTRAN-9AMT	05	PS	S9(09)V99	60	65
Transaction Amount.					
EFTRAN-9SERIAL	05	PS	S9(11)	66	71
Transaction Serial Number.					

Field Name	Level	Mode	Picture	Displacement	
EFTRAN-9SEQ Sequence Number from the Capture System.	05	PS	S9(13)	72	78
EFTRAN-9EXTC External Transaction Code.	05	N	9(04)	79	82
EFTRAN-9SOURCE Source of Transaction.	05	N	9(04)	83	86
EFTRAN-9TOD Time of Day (in HHMM format).	05	N	9(04)	87	90
EFTRAN-9FDAYS Number of Float Days When the Transaction Code is '10'.	05	PS	S9(03)	91	92
EFTRAN-9INIT Transaction Initiation Date.	05	PS	S9(07)	93	96
EFTRAN-9IDISP Interest Payment Disposition. Valid entries are: **b** Capitalize interest. **I** Pay interest by check. **P** Pay interest and principal by check.	05	C	X(01)	97	97
EFTRAN-9TRANSIT Number of Transit Items Deposited – Credits Only.	05	PS	S9(05)	98	100
EFTRAN-9ONUS Number of On-us Items Deposited – Credits Only.	05	PS	S9(05)	101	103
EFTRAN-9CASH Amount of Cash Deposited – Credits Only.	05	PS	S9(07)	104	107
EFTRAN-9CODE Record Type Code. Valid entries are: **b** Transaction data. **D** Description.	05	C	X(01)	108	108
EFTRAN-9FILMSEQ Microfilm Sequence Number.	05	P	9(09)	109	113
EFTRAN-9ORGSOURCE Source Origin Number.	05	P	9(09)	114	118
EFTRAN-9STATYPE Not used.	05	C	X(01)	119	119

Field Name	Level	Mode	Picture	Displacement	
FILLER Not used.	05	C	X(11)	120	130
EFTRAN-9DESC1 Description Line 1.	05	C	X(30)	131	160
EFTRAN-9DESC2 Description Line 2.	05	C	X(30)	161	190

Chapter

10 Conversion

This chapter provides the necessary instructions for installing EFAS. It has been written to aid the data center with application implementation. Since EFAS interfaces with different applications, you must take care to coordinate its conversion with the various user departments. However, the data center should keep control of the EFAS conversion.

This chapter provides the necessary instructions for building the initial Institution Control File and for initializing system files. Once EFAS has been installed, it becomes necessary, from time to time, to apply updates to the application. These updates consist primarily of enhancements resulting from constant upgrading by the Infopoint staff. These enhancements are added as requirements and needs become apparent.

This chapter provides conversion instructions for customer sites that are on current releases of Infopoint Deposits, Infopoint SuperMICR, Infopoint SuperMICR II, and Infopoint Transaction Gateway (Teller). In addition, conversion instructions are provided for customers who are not running current versions of Infopoint products or who are using other products for account processing. These instructions include modifications for customers who are interfacing EFAS with another vendor's system or using older versions of Infopoint products.

Instructions for running the EFAS conversion programs as well as the instructions for running the daily job stream are also provided.

You can set up or convert to EFAS easily through adequate planning. Because the processing parameters in the Master Information and Control Manager (MICM) must be in place *before* converting to EFAS, set these parameters first. Since EFAS uses information from various applications, be sure to coordinate setup or conversion tasks with your data center and other departments.

Remember, Infopoint supports you in any preparation efforts as well as with daily operations. Do not hesitate to call us with any questions. When you call, be prepared to describe your situation and have the necessary documents and guides available for reference.

This guide outlines the institution options and major considerations that must be made prior to actual setup or conversion. Preparation guidelines for your consideration are discussed in these sections:

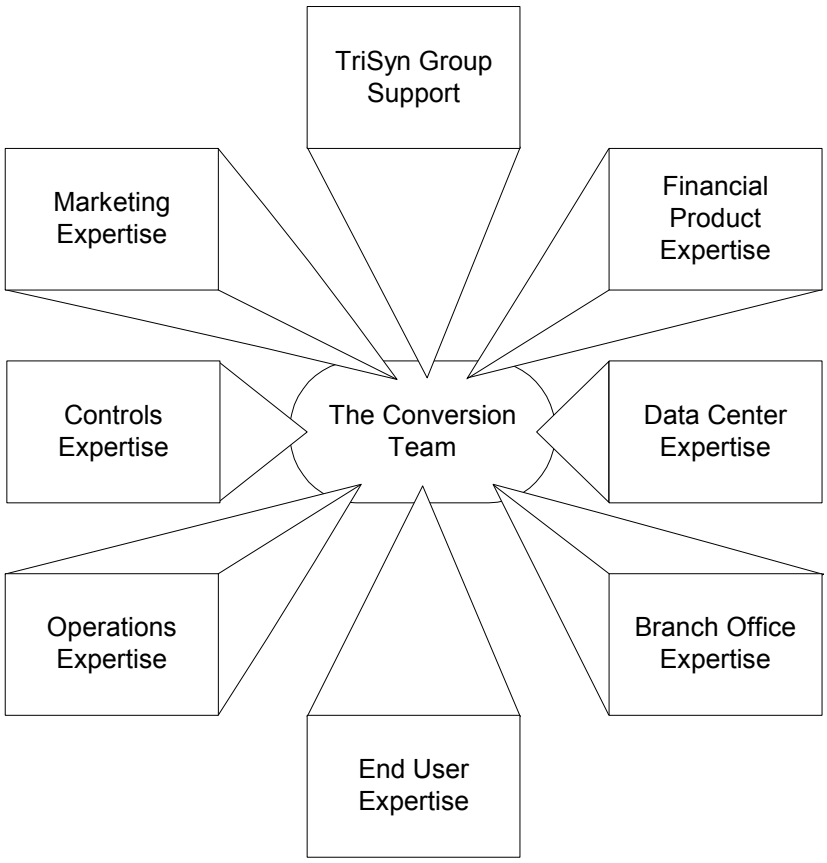
- Basic Preparation
- Management Decisions
- Operational Decisions
- Reporting Decisions

Preparation

The success of the conversion process depends on your organizational techniques and understanding of the system. This section discusses key issues in preparing for the conversion such as deciding the conversion team and creating a written conversion plan. This preparation allows you to keep on track with the requirements of a conversion and helps you to efficiently and quickly transfer or convert your data.

Assemble the Conversion Team

From the information supplied in this section, you should be able to select the best team members. The illustration below illustrates the expertise needed to perform a successful conversion.



TriSyn Group Support

The Infopoint Account Manager assigned to your installation is an important member of your conversion team. Use your account manager as a resource throughout the conversion for advice about your conversion plan.

Select one or two team members to report any problems that they encounter to Infopoint Technical Support.

Financial Product Expertise

Your team should have some financial expertise and know the products the institution offers and the departmental procedures for supporting these products. These members must possess a basic knowledge of the products such as rates and terms, and also realize how the products interface with each other.

For example, certain checking accounts can qualify for a line of credit when there are insufficient funds. Knowledge of the dependency or relationship between the checking account and the line-of-credit account (and the departmental procedures regarding the relationship) is important information in the conversion effort.

Some products rely on the information provided by other products. For example, a line-of-credit requires balance information from a checking account. When converting a product such as this, you must know how the calculations were made that determine when the credit is extended to the customer's account.

Financial product team members also provide valuable knowledge of the auditing requirements that must be addressed during the conversion. This information is important because an audit trail must be maintained as data is moved from the old system to EFAS.

In addition, members who have financial product expertise also advise the team on policy matters such as when the customers and accounts will be converted and how the converted data will be tested.

Data Center Expertise

Data center personnel can analyze the current data and then compare it to the record elements in the database, especially when converting account histories. Because there is a large amount of data, thorough analysis must be completed before programming begins.

After the analysis is complete, the data center team members must write the code that will transform the current data into a format that is usable by EFAS. Depending on the amount and type of data that is loaded, this effort could be extensive. Therefore, your conversion team must know how the programs function and the current product specifications.

For EFAS, the programmer should know COBOL, because the conversion programs are written in this language.

Branch Office Expertise

If financial transactions are posted online in the branch offices before they are recorded in the main office, include branch office expertise on your team. Your team will need branch expertise when establishing the institution structure.

End User Expertise

Clerical workers who maintain the institution's data can assist in product design and influence what data is converted to EFAS.

Operations Expertise

Operations personnel can advise you concerning proof-of-deposit operations. These team members can assess the impact of the conversion in relation to your institution's method of verifying deposits.

Controls Expertise

Include controls personnel on your team since they can provide important processing knowledge.

Marketing Expertise

Marketing provides vital market information that must be considered when products are designed. In addition, they advise the team about the marketing impact of the conversion.

Formulate the Conversion Plan

Every conversion plan contains certain components. This section describes the areas to include and explains some strategies to consider as you formulate your conversion plan.

Research

A usable plan is the result of thorough research. Become familiar with the current data elements maintained in the applications that the team is converting. This means the team must:

1. Determine the location of the data and assess the problems of gathering it in one place.

   Decentralized data presents different problems than centralized data. For example, the decentralized data might contain duplicate information about customers and accounts. The data might also be in different formats and require standardization. Usually, the team needs to gather data from different media such as hard-copy files, diskettes, and mainframe files.

2. Identify how the data was obtained.

   For example, the information maintained on a customer could have been gathered from various sources and then edited. The method used to gather the information is an important part of the plan.

3. Determine if the data is complete and accurate.

   Obviously, your data must be examined for accuracy before you prepare it for the conversion dialogs and programs.

4. Verify the data definitions and the institutions use of particular data elements.

Identify Goals

Identify the goals of the conversion team and the tasks associated with achieving each goal. The team that develops a plan should adopt a global view that addresses the general questions raised by a conversion. The answers to any general questions, in turn, help identify the tasks of the conversion. The following are some of the questions that the conversion team should initially address:

- Which of the present applications are you converting to EFAS?
- What new information do you want to load (i.e., information not previously available)?
- What information must you define in EFAS before any data is loaded?
- Are you converting current applications at the same time or in stages?
- How are you preparing the current data for loading?
- Are all of the applications being loaded in single or multiple loads?
- Does scrubbing occur before or after the data is converted?

The data center needs to confirm the information available from your current processing system before conversion.

Other possible goals in preparing for conversion are:

- Make a list of all the transactions and transaction codes for each transaction processed in Deposits.
- List all possible requirements and options that Deposits offers. Adapt these requirements or options to the converting institution environment, including both the MICM Master File parameters and Deposits parameters.
- Establish dates and periodically distribute status reports to ensure that all tasks are on target.

Typical Plan

Some common tasks associated with all conversion plans are:

Start Dates	When each task begins.
Target Dates	When the task is scheduled for completion.
Critical Dates	Dates when the critical tasks must be completed. If the dates are not met, then the calendar for the project changes.
Actual Dates	Dates when the tasks are actually completed.
Related Tasks and Activities	A detailed explanation of all of the tasks and activities. This includes an explanation of the tasks that are to be completed by the conversion team.
Individuals Responsible	Identify the persons who are responsible for each task.

Training Needed Specify the education courses necessary to implement the plan. This is critical to the success of the project. (Your Account Manager can help you select the classes.)

Create a Planning Document

Since a conversion plan contains many tasks and requires a number of different contributors, you should include all of the tasks of the conversion in a document that you then distribute to your conversion team.

The planning document serves as a central repository for information about the goals, tasks, scheduling, and progress of the project and can be used to communicate information to users about the impending conversion to EFAS. A well-documented plan not only benefits the team but all personnel affected by the conversion.

Because each conversion team is unique, the method of documenting the team's conversion efforts is unique. The best format depends on the personnel you have assembled to perform the conversion. Although each project plan is unique, there are some common elements to all plans.

Installation Instructions — Installation instructions are included with the tape/CD shipment. The install utility program requires approximately two days to run. Refer to the ***Installation Guide*** provided on the Documentation CD for detailed information about installations. A TriSyn Group customer service representative is always onsite for a first install.

Institution Structure — Include your institution structure in the plan before you convert any data. As previously stated, EFAS gives you the flexibility to identify any entity within your organization as an institution. For example, you could identify a branch office or a department within the office as institutions. You can set up your institutions so that your reports yield information about select products or about profit centers.

Data to Convert — Record the location of the data that you intend to convert. This is particularly important for the programmers because they will be able to find the data quickly.

Include in this section the methods used to prepare the data. This includes the location of the JCL used for preparing the data for the conversion dialogs and programs.

Conversion Team Goals — Present the overall aims of the project in a concise manner. For example, a goal could be to convert and test all loan products before year-end processing.

Team Members

Specify the name of team members and their role in the project. For example:

Team Member	Title	Conversion Role
Linda Jones	Project Leader	Coordinate the execution of conversion programs
Arthur Mack	Systems Analyst	Prepare current data
Sarah Getty	System Programmer	Monitor testing
Lee Smith	Marketing Manager	Advise the team about market needs

Task Information

Include information about the tasks assigned to each team member:

```
                      CONVERSION ACTIVITIES                PAGE 1

ID  STATUS    NAME                START     END        STAFF     DAYS

A1  Current   Identify Stop Cntl   1/1/92    1/31/92    Johnson   2

B1  Current   Identify Hold Cntl   1/1/92    1/31/92    Miller    2

C1  Current   Identify Stop Pro    2/1/92    2/28/92    Katz      1

D1  Current   Identify Hold Pro    2/1/92    2/28/92    Fulton    1

E1  Current   Identify Hold Tra    3/1/92    3/31/92    Rensky    3

F1  Current   Identify Stop Tra    3/1/92    3/31/92    Stephens  3

G1  Current   Identify Inst Info   3/1/92    3/31/92    Friedman  2

H1  Current   Identify Inst Pro    4/1/92    4/30/92    Smith     2

I1  Current   Identify Inst Tra    4/1/92    4/30/92    Burr      31

J1  Current   Identify Inst Test   4/1/92    4/30/92    Schultz   30
```

Meeting Schedule

Show the team meeting schedule. For example:

- The conversion team will meet every Friday at 9:00 A.M. in the main conference room.
- The team will discuss the status of the project and plans for the following week.
- An updated conversion plan will be distributed every Monday morning to the conversion team.

Listing of Terms

List all unique terms and definitions used in the document. For example:

Conversion

Movement of current data to EFAS.

Load program

COBOL program supplied by TriSyn Group that converts input files containing current system data to records for EFAS.

Hardware Requirements

Specify the hardware that the conversion team needs, with the following possible headings.

Hardware	Dates Needed	Reason for Need
Mainframe	4/15 to 4/17	Load customers
High-speed printer	4/15 to 5/1	Print conversion reports

Location of Data

List the location of all data to be input or converted to EFAS. Since the data can be found in several places, it is very important to note the locations. For example:

Type of Data	Location
Savings account histories	Customer service department file #1
Checking account histories	Customer service department file #2
Mortgage records	Mortgage department personal computer #4

System Definition

Before converting any data, you must identify institutions and products on EFAS. Include an institution structure in this section. The illustration conveys to all team members the manner in which the organization has been redesigned for the new release.

Include in the system definition section the names of the products defined on the system. If you are renaming your products, be sure to list the old names of the products. For example:

Old Product Name	New Product Name
Savings Account	Customer Savings Plan #1
Line of Credit	Preferred Customer Credit

Conversion Program Information

Before you run the conversion programs, your data must be prepared in the input record format. The input record formats should be printed so the programmers know how to code the programs that prepare your data for conversion.

As with any conversion plan, your document should contain certain information about the conversion process:

- Flow chart or data-flow diagram
- List of the products to convert
- Sequence of the products conversion
- All conventions that are used in the data preparation programs
- Sample job streams
- Reports and notices that should be printed
- Testing that should be done to the programs

Note: The following sections in this chapter discuss the actual conversion process.

Testing and Acceptance

The accuracy of the data must be verified. If the data has been loaded incorrectly, establish procedures for correcting data exceptions and reloading the data.

Develop acceptance criteria. Specify when and how the converted data should be tested.

Switching to the New System

You must decide how long EFAS will run in test mode and in what manner transactions (under the old system) will be converted to EFAS. In addition, list the criteria for comparing the systems to check the accuracy of the converted data.

Revising the Plan

Keep the plan up-to-date. Many individuals will be relying on the plan for current information, so you must update the plan regularly.

MICM Form Requirements and Options

In order to convert successfully to EFAS, you need to access the following MICM forms. Some of the forms are required for input, while others are optional. The optional forms contain some features that might be useful to you in daily operations.

The following comments outline the various input options and requirements necessary in setting up or converting to EFAS. Refer to your MICM ***Procedures Guide*** for a detailed description of the fields and options on these panels/forms.

Form 00

Institution Control Input

This required input form is only available by card entry. If you are an online user, you must enter this as card input in batch mode. Fill out one of these forms for the system, institution 000, and one for each institution to process. For conversion, remember to set all dates back one day, because the system *updates* the dates. For example:

Conversion date (Thursday)	09/24/92
Current date	09/23/92
Last process date	09/22/92
Next scheduled process date	09/24/92
Next actual process date	09/24/92

Note: It is recommended that you choose a Thursday for your conversion date, so you will have an entire weekend available to convert. You might end up needing the extra time to verify all processing.

Form 0020

Holding Company Information

This optional form establishes the name and address of a holding company. The institutions related to this holding company are assigned on the Institution Information Form 1001.

Form 0021

Region Information

This optional form establishes the name and address of a institution's regions. The branches related to this region are assigned on the Branch Information Form.

Form 0211

Application Information

This required form establishes the account length and edit mask by application. A record is required for institution 000.

Form 0233 **Regulation CC Institution Notice**

This required form customizes notices produced by the EFAS system. The notice body consists of six lines, each holding 50 characters. Set up a record for process manager '34', application '34' and report 34-014 for each institution processed. If duplicate notices are to be generated, set up another record for report 34-015 process manager '34', application '34', for each institution processed.

Form 0236 **Federal Holidays**

This required form establishes and maintains federal holiday information used for processing float.

Form 0237 **Program Interface Parameters**

This required form establishes the interface to Deposits; specifically, the module to be used for interfacing to the Deposit files and the module used to extract for Deposits. If you are running Infopoint SuperMICR II, you must set up a record on institution 000.

Form 0301 **Application System Option Flags**

This required form establishes the option flags used for processing EFAS. Refer to the MICM Parameters chapter of this guide for an explanation of the system options. The application number is '34' for EFAS. A record is required for each institution processed.

Form 0307 **Application System Report Flags**

This required form establishes the report flags for processing EFAS. Refer to the MICM Parameters chapter of this guide for an explanation of the system report flags. Use the Reports chapter of this guide for report numbers. A record is required for institution 000.

Form 0390 **Regulation CC Institution Parameters**

This required form sets up institution level options and processing controls. It is required to establish safeguard days, zero-day float, ATM processing, processing sequence and maximum float days, and other system options. Create a record for institution 000 and any other institution processed with specific option requirements.

Form 0391 **EFAS Type Processing Parameters 1**

This required form establishes processing options for excessive deposits processing. Create a record for institution 000 and any other institution processed with specific option requirements.

Form 0392 **EFAS Type Processing Parameters 2**

This required form establishes processing options for mandatory availability processing. Create a record for institution 000 and any other institution processed with specific option requirements.

Form 0393 **EFAS Type Processing Parameters 3**

This required form establishes processing options for DDA exceptions, new accounts, and repeat overdrafts. Create a record for institution 000 and any other institution processed with specific option requirements.

Form 0394 **EFAS Type Processing Parameters 4**

This required form establishes processing options for DDA Exceptions, excessive returned checks, and high-risk accounts. Create a record for institution 000 and any other institution processed with specific option requirements.

Form 0395 **Regulation CC Exception Description**

This required form sets up a 20-character description for each exception code. Up to 999 exceptions codes are provided, with exception codes '990' – '999' reserved for system use. (See the Application Processing chapter for more details.) Also provided with each exception code are two 20-character description areas to store discretionary information for institution use.

Form 1001 **Institution Information**

Use this required form to enter information for the system (institution 000) and for each institution to process. This record contains the name, address, and holidays for each institution to process. The holding company number must be established here, if appropriate. The name of the holding company is established on Form 0020 (Holding Company Information).

Form 1006 **Error Message Information**

Use this required form to create the error messages used by most Infopoint applications.

Form 2001 **Branch Information**

Use this required form to input branch information for each branch within the organization, to establish the branch number and name and address. This form also establishes the region number, if appropriate. The name of the region is established on the Region Information Form 0021.

Form 2013 **Transaction Code Parameters**

This required DDA form identifies unique transactions from Regulation CC processing. This record is set up by institution and application number.

Form 2021 **Institution Holidays**

This required form establishes holidays for individual institutions.

Interfaces

EFAS was designed as an integrated part of the Infopoint product line. Due to the nature of EFAS, it must interface with your institution's item processing or capture, deposits, teller, and name/address applications.

The most current versions of Infopoint products interface with EFAS. Special consideration is given to the fact that all EFAS customers do not have the most current version of these products or might be using other software for some applications. Therefore, special copybooks and interface routines were developed to facilitate interfacing EFAS to older versions of Infopoint products or other software.

Overview of System Interfaces

The purpose of EFAS is to analyze customer deposits in order to perform float reassignment as established in Regulation CC. Traditionally, item processing systems assign float and pass daily transactions to the processing applications.

The design of EFAS allows transactions for accounts subject to Regulation CC to be read, analyzed, and output to the appropriate Deposits application. Therefore, EFAS must interface with both the item processing system and the Deposits system. Transactions input to EFAS must be in the format of the EF-TRANFIL. EFAS uses a called module to output transactions to the Deposits system.

Four Regulation CC fields appear on the Account Master Record for Deposits. They provide special instructions for processing deposit accounts in EFAS.

The Regulation CC fields are as follows:

1. Regulation CC Code – specifies if this account is subject to Regulation CC. Valid entries are:
   - **N** Account is not subject to Regulation CC.
   - **Y** Account is subject to Regulation CC.
2. Excessive Overdraft Code – denotes the account as having excessive ODs. Valid entries are:
   - **N** Account does not have excessive ODs.
   - **Y** Account has excessive ODs.
3. Excessive Returns Code – denotes the account as having an excessive number of returned checks. Valid entries are:
   - **N** Account does not have an excessive amount of returned checks.
   - **Y** Account does have an excessive amount of returned checks.

4. Regulation CC High Risk Code – denotes the account as high risk. Valid entries are:
   - **H** Account is high risk.
   - **N** Account is not high risk.
   - **O** Account is considered a new account.

EFAS includes an interface module that reads the Account Master record and passes back the Regulation CC fields.

Since EFAS adjusts float, it must have the float transaction codes available. These transaction codes are recorded in two copybooks. One is for bank float transaction codes and the other is for customer float transaction codes.

Regulation CC states specific rules for the availability of funds with certain exceptions, such as for new accounts or for accounts with excessive overdrafts. Float might be increased in these cases; however, the customer must be notified. EFAS satisfies this requirement by producing a notice, so it must interface with your name and address system. EFAS calls SRB100 to retrieve the name and address information as well as telephone numbers. SRB100 interfaces to all of the Infopoint name and address systems (RCIF, CMI and MICM).

EFAS must interface with your teller system because Regulation CC requires that customers be notified within twenty-four hours if float is increased on their accounts. With this in mind, a special module was created to determine if float should be incremented. EFAS uses this routine when making float decisions. Infopoint Transaction Gateway (Teller) also uses this routine to inform tellers that float will be incremented.

Interface Modifications

The most current versions of the Infopoint products support EFAS. If your capture, deposits, teller and name/address systems are Infopoint products and the EFAS-supported versions are installed, no system modifications are required. If older versions of these products or other software are used, some modifications are necessary to interface EFAS to these applications.

Interfacing to the following applications is discussed.

- Capture system
- Deposits system
- Transaction Gateway (Teller) system
- Name and address system

Capture System

Infopoint item processing systems output a transaction file in EFAS format. Your item processing system must support EFAS in order for the proper file to be created. Infopoint SuperMICR, Infopoint SuperMICR II, and Infopoint Transaction Gateway (Teller) create a transaction file in EFAS format.

- If you do not have an EFAS-supported version of an Infopoint item processing system installed, you have two choices.
    1. Install the EFAS-supported version of Infopoint SuperMICR, Infopoint SuperMICR II, or Infopoint Transaction Gateway (Teller).
    2. Write a program to reformat the transaction file output by your item processing system into EFAS format.
- If you are not using an Infopoint item processing system, you have two choices.
    1. Modify the system to output the transaction file in EFAS format.
    2. Write a program to reformat the transaction file output by the item processing system in EFAS format.
- The format for the EFAS Transaction File is described in the Application Files chapter under EF-TRANFIL. The COBOL copybook for the record descriptions of this file is EFSTRAN.

Deposits System

The Deposits application contains the Regulation CC fields that are used by EFAS to make float reassignment decisions.

One of the main responsibilities of EFAS is float reassignment. Consequently EFAS generates float transactions that are passed to the Deposits application. The float transaction codes for Infopoint Deposits are contained in the EFAS copybooks EFW010 and EFW011. EFW010 contains the bank float transaction codes and EFW011 contains the customer float transaction codes.

EFAS is currently supplied with an interface and DPPOST extract module. The extract module output final transactions in the DPPOST format for input to Deposits. The interface module reads your institution's Deposit Master records for account information used during EFAS processing.

EFK2DP84 – Interface Module for Deposits 8.4
EFJ2DP84 – Extract Module for Deposits 8.4

These modules need to be specified on MICM Record 0237 (Program Interface Parameters) for processing manager '34'.

Transaction Gateway (Teller) System

As stated in the Overview of System Interfaces section, the customer must be notified within 24 hours that float will be incremented. EFAS contains a module that passes an increment field to the Transaction Gateway (Teller) system specifying the number of days that float will be incremented. Transaction Gateway (Teller) is interfaced to EFAS through the EFB001 program.

Customers who are not on the EFAS-supported version of a teller application or are not using Infopoint Transaction Gateway (Teller) must interface their teller application to EFAS by modifying EFB001.

Name and Address System

EFAS must be interfaced to the name and address system so names, addresses, and phone numbers can be retrieved for the notices and reports.

MICM Record 0211 identifies the module used to retrieve names and addresses. Customers who are not using an Infopoint name and address system will need to provide an interface module for the name and address system being used and update MICM Record 0211.

Programs

EFAS has two conversion programs that must be run to set up two permanent files. They are the Safeguard Order File (EFSAFG) and the Institution Control File (EFBANK).

EFC010 must be executed to initialize the Safeguard Order File to be accessible by CICS/VS for online processing.

EFC020 creates the Institution Control Records that contain different dates and other important information used by the application.

EFC010 – Safeguard Order File Initialization

Purpose

This program initializes the Safeguard Order File with a dummy record for institution 000. This program only needs to be run at conversion to set up the Safeguard Order File. For more information about this file, refer to the Application Files chapter in this guide.

API MICM Records

Ext Record Code	Name	Description
M74	MI1001-RECORD	1001 – Institution Information Record
M79	M1006-RECORD	1006 – Error Message Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFSAFG	Safeguard Order File	Output	Disk	Random	107

Reports

None

Control Card

The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 80	78	File selection flags. Valid entry is **S**, indicating to initialize the Safeguard Order File. This can be specified anywhere in positions 03 – 80.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	Application number in columns 01 – 02 on the control card is invalid.
0002	ADD of the dummy record to the EFSAFG failed.

Rerun Procedures

If the program aborts, check the control card for accuracy. Also verify that the VSAM delete/define of the Safeguard Order File was successful and that the parameters used for the VSAM define are correct. After correcting any errors found, rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

EFC020 – Institution Control File Conversion

Purpose

This program creates the initial Institution Control records. To set up the Institution Control File, run this program at conversion time only. For more information about the Institution Control File, refer to the Application Files chapter of this guide. A control card for each institution processed on the application is needed, including a card for the application institution (institution 000).

API MICM Records

Ext Record Code	Name	Description
M74	MI1001-RECORD	1001 – Institution Information Record

API Application Records

None

Files

Name	Description	Opened	Media	Access Mode	Record Length
EFCARD	Control Card Input	Input	Card	Random	80
EFBANK	Institution Control File	Output	Disk	Random	70
PRINTR	Report	Output	Printer	Random	132

Reports

34-901 – Institution Control File Conversion

Control Card

The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is **34**.
03 – 05	3	Institution number.
06 – 21	16	Not used.
22 – 25	4	Valid entry is **0000**.
26 – 31	6	Current date. Format is MMDDYY.
32 – 37	6	Last processing date. Format is MMDDYY.
38 – 43	6	Next scheduled processing date. Format is MMDDYY.
44 – 49	6	Next actual processing date. Format is MMDDYY.

Columns	Size	Description
50 – 56	7	Process week information. There is a value for each day of the week, Sunday (1) through Saturday (7), on which processing does or does not occur, depending on the codes entered in these seven positions. Valid entries are: **b** Open and processing. **C** Closed, no processing. **N** Open, no processing.
57 – 57	1	Process option. This specifies whether the institution processes before or after a holiday. **B** indicates process before a holiday.
58 – 58	1	Report print density. Valid entries are: **6** Print six lines per inch. **8** Print eight lines per inch.
59 – 80	22	Not used.

Abort Information

If the program detects a processing irregularity, it displays an abort code on the operator's console and the printer.

Code	Description
0001	ADD failed on EFBANK.
0002	CLOSE failed on EFBANK.

Rerun Procedures

If the program aborts, check the Control cards and Job Stream for accuracy. Also verify that the VSAM delete/define for EFBANK was successful and that the parameters for the define are correct. Correct any errors found, and rerun the job. If the job cannot be completed successfully, contact the EFAS support department.

Report

34-901 – Bank Control File Conversion

Purpose

This report prints when the Institution Control File is created. The images of all cards entered are shown along with the rejected cards. All input data is edited for validity to ensure that field entry requirements are correct. For rejected cards, the names of the fields in error are displayed along with error codes and messages explaining the reason why they are not accepted.

The application Institution Control Record must be created at conversion time. One or more Institution Control Records must also be generated at this time.

Program

EFC020 (Institution Control File Conversion)

```
    08-02-2001                          BANK CONTROL FILE CONVERSION

    EXPEDITED FUNDS AVAILABILITY                                                                                    34-901

                               2   3         4         5         6         7         8
 SYS BANK                FORM/ 67890123456789012345678901234567890123456789012345678901234567890
 NBR NBR *---KEY DATA---* CARD  *----------------------CARD DATA----------------------* *----FIELD NAME----* *--ERROR MESSAGE---ERR

  34 000                 0000  0729010728010801010801010C     CB6 1                                          ** CARD ACCEPTED **
-------------------------------------------------------------------------------------------------------------------------------------
  34 001                 0000  0729010728010801010801010C     CB6 1                                          ** CARD ACCEPTED **
-------------------------------------------------------------------------------------------------------------------------------------
  34 002                 0000  0729010728010801010801010C     CB6 1                                          ** CARD ACCEPTED **
-------------------------------------------------------------------------------------------------------------------------------------
```

34-901 – Bank Control File Conversion

Heading Descriptions

Sys Nbr

Application number. Valid entry is **34** for EFAS.

Bank Nbr

Institution Number. The Institution Control Record is **000**, and numbers **001 – 999** are processing institutions.

Key Data

Not used at this time, always spaces.

Form/Card

Form number and card number.

Card Data 26 through 80

All data fields in the card are printed in this area as they appear on the card input. The following is a list of the fields printed.

Columns	Field Name
26 – 31	Current date.
32 – 37	Last processing date.
38 – 43	Next scheduled processing date.
44 – 49	Next actual processing date.
50 – 56	Processing week schedule.
57 – 57	Processing option.
58 – 58	Lines per inch.

Field Name

Names of fields in error.

Error Message

Self-explanatory reject messages for an invalid field entry print in this column. These messages are stored on MICM Record 0006 (Error Message Information), Record 1300.

Err

Error message number.

Daily Job Stream

Run EFAS daily batch programs in the order shown below. Refer to the Batch Programs chapter in this guide to find information on control cards and files used by the programs. The following jobs are included in the daily flow.

1. Run EFD015 to initialize the daily files.
2. Run EFD020 to update the Institution Control File.
3. Run EFD035 to output the Report 34-004 report records to the EFRPTS File.
4. Run EFD800 to create a preposting backup, should the posting phase fail due to system or power failure. This makes recovery procedures easier and faster.
5. Run EFD200 to accommodate mandatory availability requirements and exception processing.
6. Run EFD340 to sort the Unsorted Reports File output by EFD200 into the Sorted Reports File.
7. Run EFD350 to print the daily reports.
8. Run EFD800 to create the EFAS End-of-Day backup tape. This step is very important, because the backup tape is used to recover the online Safeguard Order File should it be destroyed.
9. Run EFD820 to reload the files and to drop any expired safeguard orders.

Glossary

account master file
The Account Master File contains all the institution's current customer information.

abort
The premature termination of a procedure.

alphanumeric
A set of characters that contains letters, digits, and/or other characters.

application
A term that describes an automated function such as Savings, DDA, or Credit Line.

available balance
The current balance of an account less float amounts and hold amounts.

business days
Any day excluding Saturday, Sunday, and legal holidays.

Institution Control Record
The record found in the application that contains the processing days of the institution.

current balance
The current balance in Deposits, which is the net results of all debits and credits posted against the account.

collected balance
The current balance of an account less float amounts.

Common File
All processing parameters, institution options, and, optionally, customers. Information is stored and maintained in this file. Within this file, a customer can have a single customer name and address record linked to an unlimited number of Deposit, Savings, or Credit Line accounts.

complete key data
Information needed to add, inquire, or update customer information. All of the characters are present.

DDA account
Demand Deposit Account, a checking account. An account subject to withdrawals against funds on deposit.

edit
The rearranging of data or information involving the deletion of unwanted data, the addition of data, or the testing of data.

EFAS
Expedited Funds Availability Scheduler.

employee ID
The identification of the institution's employee.

exception item
An item that meets certain conditions.

excessive deposit
An account with deposits that exceed a defined amount.

external transaction code
A visual transaction code used by the operator to identify, access, or process information through the application.

float
The amount of funds held for a number of days to cover the amount of a local or foreign item deposited to one institution but drawn on another. Available, customer, and bank are the three kinds of float.

hold
The act of holding a balance intact until checks have been collected. When a hold exists, the institution will not permit the withdrawal of the uncollected portion of the deposit until the checks have been collected.

interface
A common boundary between automatic data processing systems or between parts of a single system.

key data
Information needed to add, inquire, or update customer account information.

library
Collection of computer programs or routines available to a computer for the processing of data.

limited liability items
Checks issued by the depository bank, the Treasury, or state and local governments.

loading the panel
Filling the video panel with a specific transaction panel.

local item
A check payable through or at an institution located inside the depositor's institution's region.

logo panel
Initials of the institution display on the terminal once the transaction has been completed.

maintenance
Periodic changes or updates to a file to incorporate changes that have occurred.

master file
A collection of related records used in a computer system to store, process, or generate information.

MICR
Magnetic Ink Character Reader. An input device used to read printed characters directly from a document in the application without first transforming it into some intermediary coded form, such as keypunched cards.

NSF
Non-sufficient funds. When a depositor's balance is inadequate for an institution to cash a check drawn against the account's available balance.

non-local item
A check payable through or at an institution located outside the depositor's institution's region.

noncontiguous items
A check payable through or at an institution not located in the U.S.

numeric
Numbers or digits.

online
A system whose peripheral equipment and devices are under the control of a central processing unit and are integrated with the main flow of transaction processing.

on-us items
Items that are presented for payment drawn on the processing institution.

optional
A field or value that is not required.

overdrafts
Items presented for payment that cause an account to become overdrawn. Insufficient funds are available in the account.

parameters
Constant values used to control the processing of the system.

partial key data
Information needed to add, inquire, or update customer account information. Some of the characters are missing.

safeguard order
Orders established to extend float on deposited items, identified by routing-transit numbers, which have a high probability of being uncollectible.

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