



Account Analysis 9.0.5 Reference Guide 1

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Index

Introduction

The Reference documentation contains descriptions of the online and batch programs, application files, API records, and MICM records for Account Analysis.

Organization of This Guide

The Reference documentation is presented in three guides and consists of six chapters. Each guide has a separate index. The table below briefly describes each chapter.

Guide 1

Chapter	Title	Description
1	Introduction	Describes the guide.
2	Online Programs	Describes the online programs specific to Account Analysis.
3	Batch Programs	Describes the daily, monthly, and request batch programs.
	Index	Provides a quick reference for locating information.

Guide 2

Chapter	Title	Description
4	Application Files	Provides layouts for Account Analysis files and their records.
	Index	Provides a quick reference for locating information.

Chapter	Title	Description
5	API Records	Provides layouts for records accessed through the Application Program Interface.
6	MICM Records	Provides layouts for MICM records used by Account Analysis.
	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 layout.
2. Carefully read each chapter to learn specific information and its location.
3. After becoming familiar with the Account Analysis product, use this guide as a standard source of instructional and reference information.

Conventions Used in This Guide

Feature	Explanation
Boldface	Identifies the actual numeric and alphanumeric values of the current field. Enter values exactly as shown.
UPPERCASE	Identifies field names (such as ANBAJ-INST), file and record names (such as ANBAJ), program names (such as AND800), and panel IDs (such as ANDMN1).
<i>Italics</i>	Used to emphasize or define a term or concept. Highlights field requirements.
␣	Signifies a blank character or a blank-filled field value.
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 Infopoint Account Analysis.

Infopoint Account Analysis *Procedures Guide*

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

Infopoint Account Analysis *Reference Guide*

Contains technical information about online and batch programs within Account Analysis and provides file and record layouts.

Infopoint Account Analysis *Operations Guide*

Describes complete batch operations and technical procedures for Account Analysis and provides conversion information.

Infopoint Account Analysis *Installation Guide*

Contains migration information and step-by-step instructions for installing the product.

Related Publications

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

Infopoint MICM *Procedures Guide*

Contains the online panels and batch forms used to maintain MICM. Procedures and reports produced by MICM are also included. A set of form masters is also provided.

Infopoint MICM *Reference Guide*

Contains MICM online and batch programs, and record layouts.

Infopoint MICM *Operations Guide*

Contains conversion information.

Infopoint MICM *Installation Guide*

Contains migration information and 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*

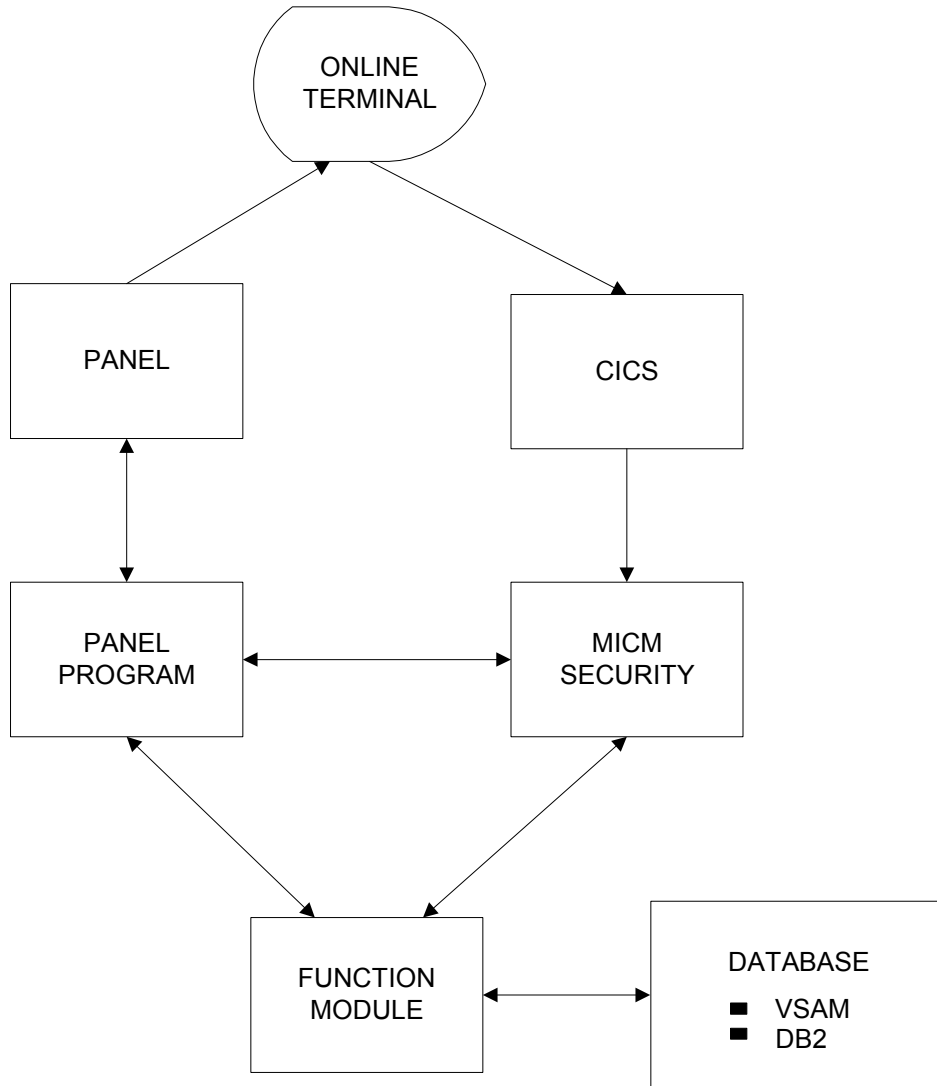
Contains step-by-step instructions for installing the product.

Online Programs

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

- | | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Panel Programs | Programs that present and receive data from an input device (terminal). Each contains two 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 API 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, and function module. A column is provided for you to enter a user-defined key parameter value, if desired. |

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	<p>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:</p> <ul style="list-style-type: none"> ■ Security checking (dormancy, employee, user routines) ■ MICM defaults for new accounts ■ Data verification (excluding numeric checks) ■ All database API access ■ Logging ■ Formatting/Updating a preset linking message <p>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.</p>
Database API	The application programming interface allows access from a VSAM or DB2 environment, based on database control table requirements.
Panel Program	<p>The panel program communicates with the panel API and links to function modules with a preset message format. Panel programs perform the following tasks:</p> <ul style="list-style-type: none"> ■ 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 API ■ Perform field/record level security ■ Validate numbers and dates ■ Provide help and breakaway functionality ■ Process work units
Panel API	The application programming interface formats and interprets 3270 CICS-formatted messages.

Key Parameter Table

The following key parameters access MICM Record 2012 (Online Key Structures). The following values come preset with MICM; however, you can define them to suit your institution's needs on MICM Record 2012.

The values are set in the key parameter fields of the Transaction Description Record for each transaction ID. MICM Record 2012 is used to pass key information from one transaction to the next within a work unit. Code 999, listed in the Key Parameters column, forces a key parameter to be entered at all times.

Number	Key Parameters
000	Panel ID, does not require MICM Record 2012
002	Panel ID, Account Number, Application Code, 999
004	Panel ID, Function Code, Account Number, Application Code, 999
008	Panel ID, Function Code, Account Number, Account Type, Account Branch, 999
009	Panel ID, Function Code, Account Number, Application Code, Cycle Month, Cycle Year, 999

Primary Panel ID Table

The table below lists the primary panel IDs and their descriptions, panel program and function modules they access, and a space for you to write your institution's (user-defined) key parameter number, based on values in MICM Record 2012 (Online Key Structures). These items are listed alphabetically by the panel ID.

Note: The internal transaction code for all panels is AN00.

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANAFFX	Affiliate Profile Cross-reference	ANL932	ANLAPX00	000
ANBAJ	Balance Adjustment	ANL340	ANLBAJ00	000
ANBAL	Daily Balance New/Inquiry	ANL300	ANLDLB00	000
ANCOM	Customer Comments	ANL600	ANLCOM00	000
ANCOMINQ	Customer Comments Inquiry	ANL610 ANL611	ANLCOM00	000
ANDHM1	Deposit History Demographic	ANL421	ANLDHT00	000
ANDHM2	Deposit History Service Charge	ANL422	ANLDHT00	009
ANDHM3	Deposit History Rate	ANL423	ANLDHT00	009
ANDHM5	Deposit History Balances One	ANL425	ANLDHT00	009
ANDHM6	Deposit History Balances Two	ANL426	ANLDHT00	009
ANDHM8	Deposit History Service Charge One	ANL428	ANLDHT00	009
ANDHM9	Deposit History Service Charge Two	ANL429	ANLDHT00	009
ANDHM10	Deposit History Balance Calculation	ANL430	ANLDHT00	009
ANDHM11	Deposit History Receivables	ANL431	ANLDHT00	009
ANDHM12	Deposit History Pricing Information	ANL432	ANLDHT00	009

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANDNM1	Deposit Account Demographic	ANL221	ANLDMS00	000
ANDNM2	Deposit Account Service Charge	ANL222	ANLDMS00	008
ANDNM3	Deposit Account Rate	ANL223	ANLDMS00	008
ANDNM4	Deposit Account Cycle	ANL224	ANLDMS00	008
ANDNM5	Deposit Analysis Statement Processing	ANL225	ANLDMS00	008
ANDNM6	Deposit Receivables Information	ANL226	ANLDMS00	008
ANDNM7	Deposit Account Balances One	ANL227	ANLDMS00	008
ANDNM8	Deposit Account Balances Two	ANL228	ANLDMS00	008
ANDNM9	Deposit Account Name/Address Interface	ANL229	ANLDMS00	008
ANDNM10	Deposit Account Pricing Information	ANL230	ANLDMS00	008
ANERT1	Exception Rate Variances 1	ANL956	ANLEXC00	000
ANERT2	Exception Rate Variances 2	ANL957	ANLEXC00	000
ANERT3	Exception Rate Variances 3	ANL958	ANLEXC00	000
ANGHM1	Group History Demographic	ANL401	ANLGHT00	000
ANGHM2	Group History Service Charge	ANL402	ANLGHT00	009
ANGHM3	Group History Rate	ANL403	ANLGHT00	009
ANGHM4	Group History Balances	ANL404	ANLGHT00	009
ANGHM5	Group History Deposit Balances One	ANL405	ANLGHT00	009

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANGHM6	Group History Deposit Balances Two	ANL406	ANLGHT00	009
ANGHM7	Group History Service Charge Reporting	ANL407	ANLGHT00	009
ANGHM8	Group History Service Charge One	ANL408	ANLGHT00	009
ANGHM9	Group History Service Charge Two	ANL409	ANLGHT00	009
ANGHM10	Group History Balance Calculation	ANL410	ANLGHT00	009
ANGHM11	Group History Receivables	ANL411	ANLGHT00	009
ANGHM12	Group History Investment Balances	ANL412	ANLGHT00	009
ANGHM17	Group History Pricing Information	ANL417	ANLGHT00	009
ANGHM18	Group History Waived Balances	ANL418	ANLGHT00	009
ANGNM1	Group Account Demographic	ANL201	ANLGMS00	000
ANGNM2	Group Account Service Charge	ANL202	ANLGMS00	008
ANGNM3	Group Account Rate Information	ANL203	ANLGMS00	008
ANGNM4	Group Account Cycle	ANL204	ANLGMS00	008
ANGNM5	Group Analysis Statement Processing	ANL205	ANLGMS00	008
ANGNM6	Group Receivables Information	ANL206	ANLGMS00	008
ANGNM7	Group Account Balances One	ANL207	ANLGMS00	008
ANGNM8	Group Account Balances Two	ANL208	ANLGMS00	008

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANGNM9	Group Account Name/Address Interface	ANL209	ANLGMS00	008
ANGNM10	Group Account Pricing Information	ANL210	ANLGMS00	008
ANHBAL1	Balance History Inquiry One	ANL902	ANLXXX01	000
ANHBAL2	Balance History Inquiry Two	ANL903	ANLXXX01	002
ANHRP	History Reprint Request	ANL499	ANLXXX02	002
ANINV	Invoice Number	ANL940	ANLINV00	000
ANINVHST	Invoice Payment History	ANL908	ANLOSB01	000
ANINVXRF	Invoice Cross-reference	ANL909	ANLIXR00	002
ANMHST	Maintenance History	ANL460	ANLHST00	000
ANORG	Organization ID	ANL935	ANLORG00	008
ANPAY	Payment Entry	ANL140	ANLPAY00	000
ANPAYINQ	Payment Inquiry	ANL907	ANLPAY01	000
ANPDUE	Past Due Inquiry	ANL906	ANLOSB00	000
ANPRAW	Promotional Account Waive	ANL928	ANLPAW00	000
ANPRFOR	Pricing Forecast	ANL936	ANLXXX04	000
ANPRHIER	Standard Pricing Hierarchy	ANL934	ANLSPH00	000
ANPRINQ	Price Inquiry	ANL933	ANLXXX05	000
ANPROFX	Profile Account Cross-reference	ANL931	ANLPAX00	000
ANPROMO	Promotional Waive Parameters	ANL926	ANLPRO00	000
ANRECUR	Recurring Transactions	ANL700	ANLRET00	000

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANRELD	Account Relationship Display	ANL295	ANLXRC03	000
ANRELH	Relationship History Maintenance	ANL297	ANLXRC02	000
ANRELM	Relationship Maintenance	ANL298	ANLXRC01	000
ANREPR	Repricing Request	ANL914	ANLRPC00	000
ANSCHINQ	Service Charge Item Inquiry	ANL900	ANLSCH01	004
ANSTCPY	Relational Copy Customer Keys	ANL280	ANLXRL00	000
ANSTI	Statement History Inquiry	ANL930	ANLSTI01 ANLSTI02 ANLSTI03 ANLSTI99	000
ANSTM	Online Statement	ANL920	ANLSTM00 ANLSTM01 ANLSTM02 ANLSTM98 ANLSTM99	000
ANSTMSG	Statement Message	ANL925	ANLMSG00	000
ANSVINQ1	Service Charge Inquiry One	ANL911	ANLXXX01	000
ANSVINQ2	Service Charge Inquiry Two	ANL913	ANLXXX01	002
ANSVINQ3	Service Charge Inquiry Three	ANL915	ANLXXX01	002
ANTADJD	Transaction Adjustment One/Two	ANL109	ANLTAJ00	002
ANTAXDET	Tax Detail	ANL560	ANLTXD00	000
ANTAXSUM	Tax Summary	ANL550	ANLTXS00	000
ANTRAND	Transaction Display 1 and 2	ANL500 ANL501	ANLTRN01	000

Panel ID	Description	Panel Program	Function Module	Key Parameter Number
ANTRANH	High Volume Transaction Entry	ANL100	ANLTRN00	000
ANTRANL	Low Volume Transaction Entry	ANL105	ANLTRN00	000
ANTRANQ	Quick Transaction Entry	ANL101	ANLTRN00	000
ANTRANX	Transaction Cross-reference	ANL505	ANLTPR00	000
ANWVSC	Waive Service Charge	ANL924	ANLWSC00	000
ANXREF	Account Cross-reference	ANL299	ANLXRC00	000

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 Panel ID Table as well as SS file information.
Function Modules	Lists those modules accessed by the panel program.
API MICM Records	Shows any MICM records accessed by the panel program.
API Application Records	List the API records accessed by the panel program.
Abort Information	Lists the trace codes and abort codes and a description of the problem encountered.

ANL100 – High Level Transaction Entry

Purpose This program displays the panel that allows you to enter up to seven transactions (services) at one time by application.

The transactions are expanded with the information from MICM Record 6015 and 6016, then written or accumulated to transactions on the Transaction Record. If the transaction is identified as an adjustment, it is also written to the Transaction Adjustment Record. If no cycle code or past date is entered on the panel, the transactions are processed for the current month. Report 06-072 (Online Transaction Entry List) is printed out of AND036.

Online Information

Panel ID: ANTRANH
 Key Panel SS File: None
 Primary Panel SS File: ANV100
 Help Panel SS File: ANV100H
 Key Parameter Number: 000

Function Modules

ANLTRN00 – Transaction New

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0004	3051	Field security access error.
0005	3051	Error loading CIF Table (MICM Record 0211).
0006	4301	READ failed on BNK.
0007	3051	READ failed on MICM Record 2018.
0008	3051	READ failed on MICM Record 1001.
0009	3051	READ failed on MICM Record 6000.

ANL101 – Quick Transaction Entry

Purpose This program displays the panel that allows you to enter up to thirteen transactions (services) at a time with minimum field entry.

Online Information

Panel ID: ANTRANQ
 Key Panel SS File: None
 Selection Panel SS File: None
 Primary Panel SS File: ANV101
 Help Panel SS File: ANV101H
 Key Parameter Number: 000

Function Modules ANLTRN00 – Transaction New

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2011	M11	MI2011-RECORD	Online Messages Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	3051	READ failed on MICM Record 0211.
0005	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0006	3051	READ failed on MICM Record 1001.
0007	3051	READ failed on MICM Record 6000.
0008	3051	READ failed on MICM Record 2018.

ANL105 – Low Level Transaction Entry

Purpose This program displays the panel that allows you to enter one transaction (service) at a time by application.

The transaction is expanded with the information from MICM Record 6015 and 6016, then written or accumulated to the transaction on the Transaction Record. If the transaction is identified as an adjustment, it is also written to the Transaction Adjustment Record. If no cycle code or past date is entered on the panel, the transaction is processed for the current month. Report 06-072 (Online Transaction Entry List) is printed out of AND036.

Online Information

Panel ID: ANTRANL
 Key Panel SS File: None
 Primary Panel SS File: ANV105
 Help Panel SS File: ANV105H
 Key Parameter Number: 000

Function Modules ANLTRN00 – Transaction New

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0004	3051	Field security access error.

Trace Code	Abort Code	Description
0005	3051	Error loading CIF Table (MICM Record 0211).
0006	4301	READ failed on BNK.
0007	3051	READ failed on MICM Record 2018.
0008	3051	READ failed on MICM Record 1001.
0009	3051	READ failed on MICM Record 6000.

ANL109 – Transaction Adjustment Display/Delete

Purpose This program displays the panel that allows you to browse or delete transaction adjustment records for the cycle date entered in the key information.

Note: To ensure proper tracking of transaction adjustments, records are not actually deleted. An offset record is created rather than deleting the original record.

Online Information

Panel ID: ANTADJD
 Key Panel SS File: ANV109K
 Primary Panel SS File: ANV109
 Help Panel SS File: ANV109H
 Key Parameter Number: 000

Function Modules

ANLTAJ00 – Transaction Adjustment Delete/Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0004	3051	Field security access error.
0005	4301	READ failed on BNK.
0006-0009	3051	READ failed on MICM Record 2018.

ANL140 – Payment Entry

Purpose	<p>This program is used to enter account receivable payments.</p> <ul style="list-style-type: none"> ■ Up to six payments can be entered on each panel and more than one panel of payments can be processed at the same time. ■ If one field on a given line contains an entry, all fields on the line (with the exception of Currency) become mandatory. ■ The batch total amount <i>must be entered for payments and reversals</i> and this batch total <i>must balance</i> before any payments are posted. ■ During multi-currency processing: <ul style="list-style-type: none"> - If only one Currency Code has been entered on the panel(s), any remaining blank Currency fields will be filled with that Currency Code. The Payments/Reversal Total fields are also edited to determine if they match the currency format for the Currency Code entered or the format of the institution’s Currency Code. - If more than one Currency Code has been entered on the panel(s), this program will not fill any blank Currency fields. It will also require that the Payments/Reversal Total fields’ entries match the currency format of the institution’s Currency Code. - When using the paging functionality of the panel, if only one specific Currency Code has been entered on the prior panel(s), this program will fill the Currency fields on the new panel with the same Currency Code (if the Currency fields are all blank). - When paging to a new panel after completing one or more entries on prior panels, if a different Currency Code is entered on the new panel, any remaining blank Currency fields will be filled with the new code. If the new panel is accessed after more than one Currency Code has been entered on prior panels and no Currency Code is supplied on the new panel, this program will fill the blank Currency fields with the institution’s Currency Code.
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Online Information

Panel ID:	ANPAY
Key Panel SS File:	None
Primary Panel SS File:	ANV140
Help Panel SS File:	ANV140H
Key Parameter Number:	000

Function Modules	ANLPAY00 – Group History
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API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	3051	Error loading CIF Table (MICM Record 0211).
0005	4301	READ failed on BNK.
0006-0007	3051	READ failed on MICM Record 2018.
0008	3051	READ failed on MICM Record 1001.
0009	3051	READ failed on MICM Record 2018.

ANL201 – Group New/Maintenance 1

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM1
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV201
 Help Panel SS File: ANV201H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003-0004	3051	Field security access error.
0005	0106	READ failed on CICS TSQ.
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.
0009-0011	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL202 – Group New/Maintenance 2

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM2
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV202
 Help Panel SS File: ANV202H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL203 – Group New/Maintenance 3

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM3
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV203
 Help Panel SS File: ANV203H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL204 – Group New/Maintenance 4

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM4
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV204
 Help Panel SS File: ANV204H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	3051	Error loading CIF Table (MICM Record 0211).
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0009-0011	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL205 – Group New/Maintenance 5

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM5
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV205
 Help Panel SS File: ANV205H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL206 – Group New/Maintenance 6

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM6
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV206
 Help Panel SS File: ANV206H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL207 – Group New/Maintenance 7

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM7
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV207
 Help Panel SS File: ANV207H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL208 – Group New/Maintenance 8

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM8
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV208
 Help Panel SS File: ANV208H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL209 – Group New/Maintenance 9

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM9
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV209
 Help Panel SS File: ANV209H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL210 – Group New/Maintenance 10

Purpose This program displays one of the panels that allow you to create and maintain Group records.

Online Information

Panel ID: ANGNM10
 Key Panel SS File: ANV200K
 Primary Panel SS File: ANV210
 Help Panel SS File: ANV210H
 Key Parameter Number: 009

Function Modules ANLGMS00 – Group Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL221 – Deposit New/Maintenance 1

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM1
Key Panel SS File: ANV220K
Primary Panel SS File: ANV221
Help Panel SS File: ANV221H
Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003-0004	3051	Field security access error.
0005	0106	READ failed on CICS TSQ.
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0009-0011	3051	READ failed on MICM Record 2018.
0012	3051	Field security access error.
0015-0016	3051	READ failed on MICM Record 2018.

ANL222 – Deposit New/Maintenance 2

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM2
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV222
 Help Panel SS File: ANV222H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL223 – Deposit New/Maintenance 3

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM3
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV223
 Help Panel SS File: ANV223H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL224 – Deposit New/Maintenance 4

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM4
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV224
 Help Panel SS File: ANV224H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	3051	Error loading CIF Table (MICM Record 0211).
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0009-0011	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL225 – Deposit New/Maintenance 5

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM5
Key Panel SS File: ANV220K
Primary Panel SS File: ANV225
Help Panel SS File: ANV225H
Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL226 – Deposit New/Maintenance 6

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM6
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV226
 Help Panel SS File: ANV226H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL227 – Deposit New/Maintenance 7

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM7
Key Panel SS File: ANV220K
Primary Panel SS File: ANV227
Help Panel SS File: ANV227H
Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL228 – Deposit New/Maintenance 8

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM8
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV228
 Help Panel SS File: ANV228H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL229 – Deposit New/Maintenance 9

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM9
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV229
 Help Panel SS File: ANV229H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL230 – Deposit New/Maintenance 10

Purpose This program displays one of the panels that allow you to create and maintain Deposit records.

Online Information

Panel ID: ANDNM10
 Key Panel SS File: ANV220K
 Primary Panel SS File: ANV230
 Help Panel SS File: ANV230H
 Key Parameter Number: 009

Function Modules ANLDMS00 – Deposit Master New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2014	M14	MI2014-RECORD	Institution Parameters
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	3051	Error loading CIF Table (MICM Record 0211).
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0009-0011	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.
0017-0018	3051	Error loading CIF Table (MICM Record 2014).

ANL280 – Statement Copies

Purpose This program displays the panel that allows you to create and maintain statement copies as well as delete relational records.

Online Information

Panel ID: ANSTCPY
 Key Panel SS File: ANV280K
 Primary Panel SS File: ANV280
 Help Panel SS File: ANV280H
 Key Parameter Number: 000

Function Modules ANLXRL00 – Statement Copies New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	3051	READ failed on MICM Record 2018.
0004	4301	Read failed on BNK.

ANL295 – Relationship Display

Purpose This program displays the key, selection, and data (primary) panels required to display account relationships.

Online Information

Panel ID: ANRELD
 Key Panel SS File: ANV295K
 Selection Panel SS File: ANV295S
 Primary Panel SS File: ANV295
 Help Panel SS File: ANV295H
 Key Parameter Number: 000

Function Modules ANLXRC03 – Relationship Display

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL297 – Relationship History Maintenance

Purpose This program displays the key, selection, and data (primary) panels required for relationship history maintenance.

Online Information

Panel ID: ANRELH
 Key Panel SS File: ANV297K
 Selection Panel SS File: ANV297S
 Primary Panel SS File: ANV297
 Help Panel SS File: ANV297H
 Key Parameter Number: 000

Function Modules ANLXRC02 - Relationship History Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL298 – Relationship Maintenance

Purpose This program displays the key, selection, and data (primary) panels required for relationship maintenance.

Online Information

Panel ID: ANRELM
 Key Panel SS File: ANV298K
 Selection Panel SS File: ANV298S
 Primary Panel SS File: ANV298
 Help Panel SS File: ANV298H
 Key Parameter Number: 000

Function Modules ANLXRC01 – Relationship Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL299 – Cross-reference New/Maintenance

Purpose This program displays the panel that allows you to create and maintain cross-reference records.

Online Information

Panel ID: ANXREF
 Key Panel SS File: ANV299K
 Primary Panel SS File: ANV299
 Help Panel SS File: ANV299H
 Key Parameter Number: 000

Function Modules ANLXRC00 – Cross-reference New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	Field security access error.
0004	3051	READ failed on MICM Record 2018.

ANL300 – Daily Balance New/Inquiry

Purpose This program displays the panel that allows you to create or browse daily balance records.

The panel displays daily balance records for any specified month. New data can be added to an existing record for days flagged as non-processing.

Note: This is the only online transaction available in Account Analysis that allows you to add balances missing from the Daily Balance Record.

Online Information

Panel ID: ANBAL
 Key Panel SS File: ANV300K
 Primary Panel SS File: ANV300
 Help Panel SS File: ANV300H
 Key Parameter Number: 000

Function Modules ANLDLB00 – Daily Balance New/Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4399	Undetermined error. Call Customer Support.
0003	4301	READ failed on BNK.
0004-0005	3051	READ failed on MICM Record 2018.

ANL340 – Balance Adjustment New/Maintenance

Purpose This program displays the panel that allows you to create, maintain, and delete balance adjustment records. In addition, the related balances on the master records or the history records of the specified account are automatically updated, depending on the date specified in the effective date field.

Online Information

Panel ID: ANBAJ
 Key Panel SS File: ANV340K
 Primary Panel SS File: ANV340
 Help Panel SS File: ANV340H
 Key Parameter Number: 000

Function Modules ANLBAJ00 – Balance Adjustment New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005-0006	3051	READ failed on MICM Record 2018.

ANL401 – Group History New/Maintenance 1

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM1
Key Panel SS File: ANV400K
Primary Panel SS File: ANV401
Help Panel SS File: ANV401H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	Error loading CIF Table (MICM Record 0211).
0003	0106	READ failed on CICS TSQ.
0004-0005	3051	Field security access error.
0006	0106	READ failed on CICS TSQ.
0007	0106	WRITE/REWRITE failed on CICS TSQ.
0008	0106	REWRITE failed on CICS TSQ.
0009	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0010-0012	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL402 – Group History New/Maintenance 2

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM2
Key Panel SS File: ANV400K
Primary Panel SS File: ANV402
Help Panel SS File: ANV402H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL403 – Group History New/Maintenance 3

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM3
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV403
 Help Panel SS File: ANV403H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL404 – Group History New/Maintenance 4

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM4
Key Panel SS File: ANV400K
Primary Panel SS File: ANV404
Help Panel SS File: ANV404H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL405 – Group History New/Maintenance 5

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM5
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV405
 Help Panel SS File: ANV405H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL406 – Group History New/Maintenance 6

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM6
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV406
 Help Panel SS File: ANV406H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL407 – Group History New/Maintenance 7

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM7
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV407
 Help Panel SS File: ANV407H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL408 – Group History New/Maintenance 8

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM8
Key Panel SS File: ANV400K
Primary Panel SS File: ANV408
Help Panel SS File: ANV408H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL409 – Group History New/Maintenance 9

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM9
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV409
 Help Panel SS File: ANV409H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL410 – Group History New/Maintenance 10

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM10
Key Panel SS File: ANV400K
Primary Panel SS File: ANV410
Help Panel SS File: ANV410H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL411 – Group History New/Maintenance 11

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM11
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV411
 Help Panel SS File: ANV411H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003-0004	3051	Field security access error.
0005	0106	READ failed on CICS TSQ.
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.
0009	3051	READ failed on MICM Record 2018.
0010	3051	Field security access error.

Trace Code	Abort Code	Description
0011-0012	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL412 – Group History New/Maintenance 12

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM12
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV412
 Help Panel SS File: ANV412H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL417 – Group History New/Maintenance 17

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM17
Key Panel SS File: ANV400K
Primary Panel SS File: ANV417
Help Panel SS File: ANV417H
Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL418 – Group History New/Maintenance 18

Purpose This program displays one of the panels that allow you to create and maintain Group history records.

Online Information

Panel ID: ANGHM18
 Key Panel SS File: ANV400K
 Primary Panel SS File: ANV418
 Help Panel SS File: ANV418H
 Key Parameter Number: 009

Function Modules ANLGHT00 – Group History New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL421 – Deposit History New/Maintenance 1

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM1
Key Panel SS File: ANV420K
Primary Panel SS File: ANV421
Help Panel SS File: ANV421H
Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	Error loading CIF Table (MICM Record 0211).
0003	0106	READ failed on CICS TSQ.
0004-0005	3051	Field security access error.
0006	0106	READ failed on CICS TSQ.
0007	0106	WRITE/REWRITE failed on CICS TSQ.
0008	0106	REWRITE failed on CICS TSQ.
0009	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0010-0012	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL422 – Deposit History New/Maintenance 2

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM2
Key Panel SS File: ANV420K
Primary Panel SS File: ANV422
Help Panel SS File: ANV422H
Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL423 – Deposit History New/Maintenance 3

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM3
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV423
 Help Panel SS File: ANV423H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL425 – Deposit History New/Maintenance 5

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM5
Key Panel SS File: ANV420K
Primary Panel SS File: ANV425
Help Panel SS File: ANV425H
Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL426 – Deposit History New/Maintenance 6

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM6
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV426
 Help Panel SS File: ANV426H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL428 – Deposit History New/Maintenance 8

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM8
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV428
 Help Panel SS File: ANV428H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL429 – Deposit History New/Maintenance 9

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM9
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV429
 Help Panel SS File: ANV429H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL430 – Deposit History New/Maintenance 10

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM10
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV430
 Help Panel SS File: ANV430H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL431 – Deposit History New/Maintenance 11

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM11
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV431
 Help Panel SS File: ANV431H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003-0004	3051	Field security access error.
0005	0106	READ failed on CICS TSQ.
0006	0106	WRITE/REWRITE failed on CICS TSQ.
0007	0106	REWRITE failed on CICS TSQ.
0008	4301	READ failed on BNK.
0009	3051	READ failed on MICM Record 2018.
0010	3051	Field security access error.

Trace Code	Abort Code	Description
0011-0012	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL432 – Deposit History New/Maintenance 12

Purpose This program displays one of the panels that allow you to create and maintain Deposit history records.

Online Information

Panel ID: ANDHM12
 Key Panel SS File: ANV420K
 Primary Panel SS File: ANV432
 Help Panel SS File: ANV432H
 Key Parameter Number: 009

Function Modules ANLDHT00 – Deposit History

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on CICS TSQ.
0003	3051	Field security access error.
0004	0106	READ failed on CICS TSQ.
0005	0106	WRITE/REWRITE failed on CICS TSQ.
0006	0106	REWRITE failed on CICS TSQ.
0007	4301	READ failed on BNK.
0008-0010	3051	READ failed on MICM Record 2018.
0015-0016	3051	READ failed on MICM Record 2018.

ANL460 – Maintenance History Inquiry

Purpose This program displays the panel that shows the direct maintenance history (adds, deletes, and changes) of all Analysis MICM records as well as the following Analysis API records and MICM records.

Record	Description
BAJ	Balance Adjustment Record
COM	Customer Comments Record
DLB	Daily Balance Record
DHT	Deposit History Record
DMS	Deposit Master Record
EXC	Exception Rate Record
GHT	Group History Record
GMS	Group Master Record
MSG	Statement Message Record
PAW	Promotional Waive Record
PAY	Payment History Record
PRO	Promotional Waive Parameters Record
RET	Recurring Transaction Record
RPC	Repricing Request Record
SPH	Standard Pricing Hierarchy Record
TRN	Transaction Record
WSC	Service Charge Waive Information Record
XRL	Relational Customers Record
0020	Holding Company Number Record
0021	Region Information Record
0242	Employee Information Record
0248	Cost Center Information Record
0980	Customer Name and Address Record
0984	Application Alternate Name and Address
1003	Type Information Record
2001	Branch Information Record

Record	Description
2007	Application Schedule Report Options Record
2018	Currency Information Record
2020	Currency Exchange Rate Record

Online Information

Panel ID: ANMHST
 Key Panel SS File: ANV460K
 Selection Panel SS File: ANV460S
 Primary Panel SS File: ANV460
 Help Panel SS File: ANV460H
 Key Parameter Number: 000

Function Modules

ANLHST00 – Maintenance History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-Record	Online and Batch Messages Record

API Application Records

None

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	2003	CICS handle return error.

ANL499 – History Reprint Request

Purpose This program allows requests for reprints of any historical cycle that exists on file. This *does not* include yearly history records, or any history created that has not been through lead night. Refer to the Online Messages chapter of *Procedures Guide 3* for more information.

Online Information

Panel ID: ANHRP
 Key Panel SS File: ANV499K
 Primary Panel SS File: ANV499
 Help Panel SS File: ANV499H
 Key Parameter Number: 000

Function Modules ANLXXX02 – History Reprint

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL500 – Transaction Inquiry/Delete

Purpose This program displays the panel that allows you to browse and delete transactions.

Online Information

Panel ID: ANTRAND
 Key Panel SS File: ANV500K
 Primary Panel SS File: ANV500
 ANV501
 Help Panel SS File: ANV500H
 Key Parameter Number: 000

Function Modules ANLTRN01 – Transaction Inquiry/Delete

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0004	3051	Field security access error.
0005	4301	READ failed on BNK.
0006	3051	READ failed on MICM Record 2018.

ANL505 – Transaction Cross-reference Inquiry

Purpose This program displays the panel that allows you to browse transaction pricing.

Online Information

Panel ID: ANTRANX
Key Panel SS File: ANV505K
Primary Panel SS File: ANV505
Help Panel SS File: ANV505H
Key Parameter Number: 000

Function Modules ANLTPR00 – Transaction Cross-reference

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online Messages Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	Field edit amount failed.

ANL550 – Tax Summary

Purpose This program provides the panel that allows you to display the Tax Summary Records.

Online Information

Panel ID: ANTAXSUM
 Key Panel SS File: ANV550K
 Primary Panel SS File: ANV550
 Help Panel SS File: ANV550H
 Key Parameter Number: 000

Function Modules ANLTXS00 – Tax Summary Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004-0006	3051	READ failed on MICM Record 2018.

ANL560 – Tax Detail

Purpose This program provides the panel that allows you to display the Tax Detail Records.

Online Information

Panel ID: ANTAXDET
 Key Panel SS File: ANV560K
 Primary Panel SS File: ANV560
 Help Panel SS File: ANV560H
 Key Parameter Number: 000

Function Modules ANLTXD00 – Tax Detail Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004-0007	3051	READ failed on MICM Record 2018.

ANL600 – Customer Comments New/Maintenance

Purpose This program displays the panel that allows you to create, browse, and delete customer comments.

Online Information

Panel ID: ANCOM
 Key Panel SS File: ANV600K
 Primary Panel SS File: ANV600
 Help Panel SS File: ANV600H
 Key Parameter Number: 000

Function Modules ANLCOM00 – Customer Comments New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	Error loading CIF Table.
0004-0005	3051	Field security access error.
0006	3051	READ failed on MICM Record 2018.

ANL610 – Customer Comments Inquiry

Purpose This program displays the panel that allows you to inquire on customer comments.

Online Information

Panel ID: ANCOMINQ
 Key Panel SS File: ANV610K
 Primary Panel SS File: ANV610
 Help Panel SS File: ANV610H
 Key Parameter Number: 000

Function Modules ANLCOM00 – Customer Comments New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	Error loading CIF Table.
0004	4301	READ failed on BNK.
0006	3051	READ failed on MICM Record 2018.

ANL700 – Recurring Transaction New/Delete/Inquiry

Purpose This program displays the panel that allows you to create, browse, and delete recurring transactions.

Online Information

Panel ID: ANRECUR
 Key Panel SS File: ANV700K
 Primary Panel SS File: ANV700
 Help Panel SS File: ANV700H
 Key Parameter Number: 000

Function Modules ANLRET00 – Recurring Transaction New/Delete

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.
0006	3051	READ failed on MICM Record 1001.
0007	3051	READ failed on MICM Record 2018.

ANL886 – Dynamic Table Storage Processor

Purpose This program acquires storage for the length specified in the COMMAREA linkages section. The table address is returned to the calling program. Valid request codes are:

- E** Extend previously acquired storage area.
- F** Free previously acquired storage area.
- G** Get new storage area.

Online Information None

Function Modules None

API MICM Records None

API Application Records None

Abort Information If this program detects an error, the return code will not be zero causing the program to abort. The return code values are:

Return Code	Description
14	Invalid request code.
16	Length error.
18	No storage available.

ANL900 – Service Charge Item Inquiry

Purpose This program displays the panel that allows you to browse service charge items for a specific account.

Online Information

Panel ID: ANSCHINQ
 Key Panel SS File: ANV900K
 Primary Panel SS File: ANV900
 Help Panel SS File: ANV900H
 Key Parameter Number: 000

Function Modules ANLSCH01 – Service Charge History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL902 – Balance History Inquiry One

Purpose This program displays one of the panels that allow you to browse Analysis history and year-to-date balances and averages.

Note: Similar information is listed on report 06-099 (Analysis History Statement)

Online Information

Panel ID: ANHBAL1
 Key Panel SS File: ANV902K
 Primary Panel SS File: ANV902
 Help Panel SS File: ANV902H
 Key Parameter Number: 000

Function Modules

ANLXXX01 – Service Charge Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	READ failed on MICM Record 2011.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL903 – Balance History Inquiry Two

Purpose This program displays one of the panels that allow you to browse Analysis history and year-to-date balances and averages.

Note: Similar information is listed on report 06-099 (Analysis History Statement)

Online Information

Panel ID: ANHBAL2
 Key Panel SS File: ANV902K
 Primary Panel SS File: ANV903
 Help Panel SS File: ANV903H
 Key Parameter Number: 000

Function Modules

ANLXXX01 – Service Charge Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL906 – Past Due Inquiry

Purpose This program displays the panel that allows you to browse billed and invoiced accounts, showing their current receivable balances.

Online Information

Panel ID: ANPDUE
 Key Panel SS File: ANV906K
 Primary Panel SS File: ANV906
 Help Panel SS File: ANV906H
 Key Parameter Number: 000

Function Modules ANLOSB00 – Outstanding Bill Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL907 – Payment Inquiry

Purpose This program displays the panel that allows you to browse all payments for a specific account on the Payment History Record.

Online Information

Panel ID: ANPAYINQ
 Key Panel SS File: ANV907K
 Primary Panel SS File: ANV907
 Help Panel SS File: ANV907H
 Key Parameter Number: 000

Function Modules ANLPAY01 – Payment History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.
0005	3051	Field security access error.

ANL908 – Invoice Payment Inquiry

Purpose This program displays that panel that allows you to browse invoice payment history information.

Online Information

Panel ID: ANINVHST
 Key Panel SS File: ANV908K
 Primary Panel SS File: ANV908
 Help Panel SS File: ANV908H
 Key Parameter Number: 000

Function Modules ANLOSB01 – Invoice Payment Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004-0005	3051	READ failed on MICM Record 2018.

ANL909 – Invoice Cross-reference Inquiry

Purpose This program displays the panel that allows you to browse invoice cross-reference information.

Online Information

Panel ID: ANINVXRF
 Key Panel SS File: ANV909K
 Primary Panel SS File: ANV909
 Help Panel SS File: ANV909H
 Key Parameter Number: 000

Function Modules ANLIXR00 – Invoice Cross-reference Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL911 – Service Charge Inquiry One

Purpose This program displays one of the panels that allow you to browse service charge information.

Online Information

Panel ID: ANSVINQ1
 Key Panel SS File: ANV911K
 Primary Panel SS File: ANV911
 Help Panel SS File: ANV911H
 Key Parameter Number: 000

Function Modules ANLXXX01 – Service Charge Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL913 – Service Charge Inquiry Two

Purpose This program displays one of the panels that allow you to browse service charge information.

Online Information

Panel ID: ANSVINQ2
 Key Panel SS File: ANV911K
 Primary Panel SS File: ANV913
 Help Panel SS File: ANV913H
 Key Parameter Number: 000

Function Modules ANLXXX01 – Service Charge Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL914 – Repricing Request New/Maintenance

Purpose This program displays the panel that allows you to create and maintain Repricing Request Records.

Online Information

Panel ID: ANREPR
 Key Panel SS File: ANV914K
 Primary Panel SS File: ANV914
 Help Panel SS File: ANV914H
 Key Parameter Number: 000

Function Modules ANLRPC00 – Repricing Request New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL915 – Service Charge Inquiry Three

Purpose This program displays one of the panels that allow you to browse service charge information.

Online Information

Panel ID: ANSVINQ3
 Key Panel SS File: ANV911K
 Primary Panel SS File: ANV915
 Help Panel SS File: ANV915H
 Key Parameter Number: 000

Function Modules ANLXXX01 – Service Charge Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 2018.

ANL920 – Statement Inquiry

Purpose This program displays the panels that allow you to browse/inquire upon statements for existing accounts.

Online Information

Panel ID: ANSTM
 Key Panel SS File: ANV920K
 Primary Panel SS Files: ANV9201
 ANV9202
 ANV9298
 ANV9299
 Help Panel SS File: ANV920H
 Key Parameter Number: 000

Function Modules

ANLSTM00 – ANSTM Initialize TSQ
 ANLSTM01 – ANSTM Analysis Balances
 ANLSTM02 – ANSTM Analysis Service Charge
 ANLSTM98 – ANSTM Analysis Transaction
 ANLSTM99 – ANSTM Analysis Cross-reference

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.

ANL924 – Waive Service Charge New/Maintenance

Purpose This program displays the panel that allows you to create and maintain service charge waive information records.

Online Information

Panel ID: ANWVSC
 Key Panel SS File: ANV924K
 Primary Panel SS File: ANV924
 Help Panel SS File: ANV924H
 Key Parameter Number: 000

Function Modules ANLWSC00 – Waive Service Charge New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL925 – Statement Message New/Maintenance

Purpose This program displays the panel that allows you to establish and maintain statement messages based on specific criteria with effective and expiration dates. The maximum length of the message is determined by statement type.

Online Information

Panel ID: ANSTMSG
 Key Panel SS File: ANV925K
 Primary Panel SS File: ANV925A
 ANV925C
 ANV925M
 Help Panel SS File: ANV925H
 Key Parameter Number: 000

Function Modules ANLMSG00 – Statement Message

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0007	3051	Field security access error.
0008	4301	READ failed on BNK.
0009	3051	READ failed on MICM Record 2018.

ANL926 – Promotional Waive

Purpose This program displays the panel that allows you to establish and maintain the Promotional Waive Parameter Records.

Online Information

Panel ID: ANPROMO
 Key Panel SS File: ANV926K
 Primary Panel SS File: ANV926
 Help Panel SS File: ANV926H
 Key Parameter Number: 000

Function Modules ANLPRO00 – Promotional Waive

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL928 – Promotional Waive Account

Purpose This program displays the panel that allows you to maintain the Promotional Waive Account Records.

Online Information

Panel ID: ANPRAW
 Key Panel SS File: ANV928K
 Primary Panel SS File: ANV928
 Help Panel SS File: ANV928H
 Key Parameter Number: 000

Function Modules ANLPAW00 – Promotional Waive Account

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL930 – Statement History Inquiry

Purpose This program displays the panel that allows you to inquire on previously generated statements.

Online Information

Panel ID: ANSTI
 Key Panel SS File: ANV930K
 Primary Panel SS Files: ANV9301
 ANV9302
 ANV9303
 ANV9399
 Help Panel SS File: ANV930H
 Key Parameter Number: 000

Function Modules

ANLSTI01 – ANSTI Analysis Balances
 ANLSTI02 – ANSTI Analysis Service Charge
 ANLSTI03 – ANSTI Multi-currency Totals
 ANLSTI99 – ANSTI Analysis Cross-reference

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	READ failed on MICM Record 1001.

ANL931 – Profile Account Cross-reference

Purpose This program displays the panel that allows you to link multiple accounts to a profile for current or historical periods.

Online Information

Panel ID: ANPROFX
 Key Panel SS File: ANV931K
 Primary Panel SS File: ANV931
 Help Panel SS File: ANV931H
 Key Parameter Number: 000

Function Modules ANLPAX00 – Profile Account New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	READ failed on MICM Record 6000.
0003-0004	3051	Field security access error.
0005	4301	READ failed on BNK.
0006	3051	LOAD failed CIF Application Table.
0007	3051	READ failed on MICM Record 2018.

ANL932 – Affiliate Profile Cross-reference

Purpose This program displays the panel that allows you to create and maintain affiliate information by affiliate profile number on Deposit/Group master records.

Online Information

Panel ID: ANAFFX
 Key Panel SS File: ANV932K
 Primary Panel SS Files: ANV932
 Help Panel SS File: ANV932H
 Key Parameter Number: 099

Function Modules ANLAPX00 – Affiliate Profile Cross-reference Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	READ failed on MICM Record 2018.

ANL933 – Pricing Inquiry

Purpose This program displays the panel that shows historical period pricing information for a selected transaction.

Online Information

Panel ID: ANPRINQ
 Key Panel SS File: ANV933K
 Selection Panel SS File: ANV933S
 Primary Panel SS File: ANV933
 Help Panel SS File: ANV933H
 Key Parameter Number: 000

Function Modules

ANLXXX05 – Pricing Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	4301	READ failed on BNK.
0003	3051	READ failed on MICM Record 2018.

ANL934 – Standard Pricing Hierarchy

Purpose This program displays the panel that allows you to inquire on pricing hierarchy.

Online Information

Panel ID: ANPRHIER
 Key Panel SS File: ANV934K
 Primary Panel SS Files: ANV934
 Help Panel SS File: ANV934H
 Key Parameter Number: 099

Function Modules ANLSPH00 – Standard Pricing Hierarchy

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0003	4301	READ failed on BNK.

ANL935 – Organization ID

Purpose This program displays the panel that allows you to establish and maintain the organizations for scalability processing as well as the accounts within the organizations.

Online Information

Panel ID: ANORG
Key Panel SS File: ANV935K
Primary Panel SS File: ANV935
Help Panel SS File: ANV935H
Key Parameter Number: 008

Function Modules ANLORG00 – Organization Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL936 – Pricing Forecast

Purpose This program displays the panel that displays forecasted pricing information for potential services. These are services that either have not posted to the system or have not been through a statement cycle.

Online Information

Panel ID: ANPRFOR
 Key Panel SS File: ANV936K
 Primary Panel SS Files: ANV936
 Help Panel SS File: ANV936H
 Key Parameter Number: 099

Function Modules ANLXXX04 – Pricing Forecast

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0005	4301	READ failed on BNK.
0006	3051	READ failed on MICM Record 2018.

ANL940 – Invoice Number Maintenance

Purpose This program displays the panel that allows you to maintain the invoice numbers.

Online Information

Panel ID: ANINV
Key Panel SS File: ANV940K
Primary Panel SS File: ANV940
Help Panel SS File: ANV940H
Key Parameter Number: 000

Function Modules ANLINV00 – Invoice Number Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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.
0002-0003	3051	Field security access error.
0004	4301	READ failed on BNK.
0005	3051	READ failed on MICM Record 2018.

ANL956 – Exception Rate Information One New/Maintenance

Purpose This program displays the panel that allows you to create and maintain exception rate records.

Online Information

Panel ID: ANERT1
 Key Panel SS File: ANV956K
 Primary Panel SS File: ANV956
 Help Panel SS File: ANV956H
 Key Parameter Number: 000

Function Modules ANLEXC00 – Exception Rate New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on TSQ.
0003-0004	3051	Field security access error.
0005	0106	READ failed on TSQ.
0006	0106	WRITE/REWRITE failed on TSQ.
0007	0106	REWRITE failed on TSQ.
0008	4301	READ failed on BNK.
0009	3051	READ failed on MICM Record 2018.

Trace Code	Abort Code	Description
0010-0011	3051	Field security access error.
0012	3051	READ failed on MICM Record 2018.
0013	3051	READ failed on MICM Record 1001.

ANL957 – Exception Rate Information Two New/Maintenance

Purpose This program displays the panel that allows you to create and maintain Exception Rate Record Alternate ECR and Alternate Interest rate information.

Online Information

Panel ID: ANERT2
 Key Panel SS File: ANV956K
 Primary Panel SS File: ANV957
 Help Panel SS File: ANV957H
 Key Parameter Number: 000

Function Modules ANLEXC00 – Exception Rate New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	0106	READ failed on TSQ.
0003	3051	Field security access error.
0004	0106	READ failed TSQ.
0005	0106	WRITE/REWRITE failed on TSQ.
0006	0106	REWRITE failed TSQ.
0007	4301	READ failed on BNK.
0008	3051	READ failed on MICM Record 2018.

Trace Code	Abort Code	Description
0009	3051	Field security access error.
0010	3051	READ failed on MICM Record 2018.
0011	3051	Field security access error.
0012	3051	READ failed on MICM Record 1001.

ANL958 – Exception Rate Information Three New/Maintenance

Purpose This program displays the panel that allows you to create and maintain Exception Rate Record Alternate ECR and Alternate Interest balance information.

Online Information

Panel ID: ANERT3
 Key Panel SS File: ANV956K
 Primary Panel SS File: ANV958
 Help Panel SS File: ANV958H
 Key Parameter Number: 000

Function Modules ANLEXC00 – Exception Rate New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record`
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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 2011 (Online Abort Messages), and debug information from the server.

Trace Code	Abort Code	Description
0001	2033	CICS handle return error.
0002	0106	READ failed on TSQ.
0003	3051	Field security access error.
0004	0106	READ failed TSQ.
0005	0106	WRITE/REWRITE failed on TSQ.
0006	0106	REWRITE failed TSQ.
0007	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0008	3051	READ failed on MICM Record 2018.
0009	3051	READ failed on MICM Record 1001.

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.
API Application Records	Lists the API records 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 four parts:

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

The prefix for each field is the function module name without the **L**. For example, the prefix for each field for function module ANLTAJ00 would be ANTAJ00-. 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 data is valid. VKD Verify key data. VKL Verify key data and load or initialize data.
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.
CIFAC	Alphabetic Application Code.
UPDATE	Update Code. Code that correlates to the COM-UPDATE code. Valid entries are: N Update not allowed. Y Update allowed.
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.

Field	Description
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.
FILES-OPEN	Files Open Flag. Code that indicates to the function module if the files have already been opened. Valid entries are: N Files are not open. Y Files are open.
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 , indicating 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.
ABPROGID	Abort Program ID. ID of a program where an abort occurred. It correlates to the COM-ABPROGID.
SRBMDB	API Server Request Block.
USERCNTRLS	Panel Program User Controls.

Record Portion

This area contains the API record(s) the function module uses. Some function modules use the entire record(s), while others use only portions of the record(s). For detailed descriptions of the records, refer to the API Records chapter of *Reference Guide 3*.

Data Change Portion

For every field in the record portion, a data change flag indicates if a field has changed. These fields have a suffix of -DCHG. For example, for the ANLTAJ00 module, there is an ANTAJ-DATE-DCHG data change flag to indicate changes made to the ANTAJ00-DATE field.

Miscellaneous Data Portion

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

ANLAPX00 – Affiliate Profile Cross-reference Inquiry

Purpose This module lists profile numbers related to an affiliate number.

Panel Programs ANL932 – Affiliate Profile Cross-reference

API MICM Records

Record	Ext Record Code	Name	Description
0237	M60	MI0237-RECORD	Program Interface Parameters Record
2003	M03	MI2003-RECORD	Screen Security Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
BNK	ANBNK-RECORD	Institution Control Record
ORG	ANORG-RECORD	Organization Identification Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record

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 ANLAPX00 function module:

Field	Description
SK-INST	Zero Institution of key to be selected.
SK-AFFIL	Affiliate Number of key to be selected.
SK-RINST	Related Institution of key to be selected.
RAPPL	Related Application Number of key to be selected.
RACCT	Related Deposit/Group Account Number of key to be selected.
MINST	Processing Institution (Signon Institution).
NBR-OCCURS	Number of records processed.
END-FILE-INST	End of Processing Indicator.
GSTARTDT	Global Start Date.
EXPIRDT	Global Expire Date.
GDELETE	Global Delete.
GUPDTS	Global Number of Accounts Updated.
MDELETE	Individual Delete (one per item processed).
MEXPIRE-IND	Individual Expire Indicator (one per item processed). Contains * when item is about to expire.
MSG-IND	Individual Message Indicator. Contains E when error exists.
MSG-TEXT	Individual Error Message. Contains error message when error exists.

Select Portion

The following fields are required for the selection panel.

Field	Description
AFFIL	Affiliate Number is required when in maintenance.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	4357	IREAD failed on ORG.
0006	4316	READ failed on APX.

ANLBAJ00 – Balance Adjustment New/Maintenance

Purpose This module creates and maintains balance adjustment records. In addition, the module updates the related balances on the master records or the history records of the specified account, depending on the date specified in the effective date field.

Panel Programs ANL340 – Balance Adjustment New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

API Application Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record

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 ANLBAJ00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
DBALOPTN	Daily Balance Option.
COMPCODE	Computation calculation code (passed by function module).
IFSHORT	Short Name (passed by function module).
MBRANCH	Account Branch number (passed by function module).
MTYPE	Account Type number (passed by function module).
MOFFICER	Account Officer (passed by function module).
CUR-CODASYL	Current Analysis Date. Format is YYYYMMDD (passed by function module).
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT and SEFFDT).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).
SINST	Selection Institution (passed from panel program).
SADES	Selection Application Designation (passed from panel program).

Field	Description
SACCOUNT	Selection Account (passed from panel program).
SEFFDT	Selection Effective Date (passed from panel program). Format YYYYMMDD.
CURN-CODE	Currency Code.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0006	4304	READ failed on GMS.
0007	4350	READ failed on BAJ.
0008	4350	READ NEXT failed on BAJ.
0009	4305	READ failed on DHT.
0010	4340	READ failed on GHT.
0011	3051	READ failed on MICM Record 6000.
0014-0019	3051	READ failed on MICM Record 6080.
0020	4306	READ failed on DLB.
0021	4350	READ/UPDATE failed on BAJ.
0022	4350	REWRITE failed on BAJ.
0023	4350	WRITE failed on BAJ.
0024	4306	READ/UPDATE failed on DLB.
0025	4306	REWRITE failed on DLB.
0026-0027	3000	Currency conversion.
0028	4304	READ failed on GMS.

Trace Code	Abort Code	Description
0029	4340	READ failed on GHT.
0030	4306	READ/UPDATE failed on DLB.
0031	4306	REWRITE failed on DLB.
0034	4305	READ/UPDATE failed on DHT.
0035	4306	READ failed on DLB.
0036	4306	REWRITE failed on DLB.
0037	3000	Currency conversion.
0038	4304	READ failed on GMS.
0039	4340	READ failed on GHT.
0040	4340	REWRITE failed on GHT.
0041	4302	READ/UPDATE failed on DMS.
0042	4306	READ failed on DLB.
0043	4302	REWRITE failed on DMS.
0045	4304	READ/UPDATE failed on GMS.
0046	4304	REWRITE failed on GMS.
0048	4304	READ/UPDATE failed on GMS.
0049	4340	READ/UPDATE failed on GHT.
0050	4306	READ failed on DLB.
0051	4340	REWRITE failed on GHT.
0052	4306	READ failed on DLB.
0053	4304	REWRITE failed on GMS.
0054	4340	READ/UPDATE failed on GHT.
0055	4340	REWRITE failed on GHT.
0056	4304	READ/UPDATE failed on GMS.
0057	4304	REWRITE failed on GMS.
0058	4306	READ/UPDATE failed on DLB.
0059	4306	REWRITE failed on DLB.
0060	4364	Relationship Table error.
0061	4304	READ failed on GMS.
0062	4306	READ/UPDATE failed on DLB.
0063	4306	REWRITE failed on DLB.

Trace Code	Abort Code	Description
0064	4302	READ/UPDATE failed on DMS.
0065	4306	READ failed on DLB.
0066	4302	REWRITE failed on DMS.
0067	4364	Relationship Table error.
0068	4304	READ/UPDATE failed on GMS.
0069	4304	REWRITE failed on GMS.
0070	4364	Relationship Table error.
0071	4304	READ/UPDATE failed on GMS.
0072	4306	READ failed on DLB.
0073	4304	REWRITE failed on GMS.
0074	4304	READ/UPDATE failed on GMS.
0075	4304	REWRITE failed on GMS.
0076	4306	READ/UPDATE failed on DLB.
0077	4306	REWRITE failed on DLB.
0078	4364	Relationship Table error.
0079	4304	READ failed on GMS.
0080	4340	READ failed on GHT.
0081	4306	READ/UPDATE failed on DLB.
0082	4306	REWRITE failed on DLB.
0083	4305	READ/UPDATE failed on DHT.
0084	4306	READ failed on DLB.
0085	4305	REWRITE failed on DHT.
0086	4364	Relationship Table error.
0087	4304	READ failed on GMS.
0088	4340	READ/UPDATE failed on GHT.
0089	4340	REWRITE failed on GHT.
0090	4364	Relationship Table error.
0091	4304	READ failed on GMS.
0092	4340	READ/UPDATE failed on GHT.
0093	4306	READ failed on DLB.
0094	4340	REWRITE failed on GHT.

Trace Code	Abort Code	Description
0095	4340	READ/UPDATE failed on GHT.
0096	4340	REWRITE failed on GHT.
0097-0099	4357	READ failed on ORG.

ANLCOM00 – Customer Comments New/Maintenance

Purpose This program creates and maintains customer comment records.

Panel Programs ANL600 – Customer Comments New/Maintenance
 ANL610 – Customer Comments Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
2003	M03	MI2003-RECORD	Screen Security Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters
6027	M27	MI6027-RECORD	Analysis Comment Category Definition Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
COM	ANCOM-RECORD	Customer Comments Record

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 ANLCOM00 function module:

Field	Description
SELECTKEY	Key of record to be selected by function module (If space, function module builds SELECTKEY from SINST, SAPPL, SACCT, SCATEGORY, SPOSTDT and SSEQ.) When the SELECTKEY returns from ANLCOM00, it will contain next key to process.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	4357	READ failed on ORG.
0006	3051	Error loading CIF Table.
0007	4302	READ failed on DMS.
0008	4304	READ failed on GMS.
0009	3051	READ failed on MICM Record 6027.

Trace Code	Abort Code	Description
0010	4315	READ failed on COM.
0011	4315	READ/UPDATE failed on COM.
0012	4315	REWRITE failed on COM.
0013	4315	DELETE failed on COM.
0014-0015	4315	ADD failed on COM.
0016	4304	READ/UPDATE failed on GMS.
0017	4302	READ/UPDATE failed on DMS.
0018	4304	REWRITE failed on GMS.
0019	4302	REWRITE failed on DMS.
0020	4315	READ failed on COM.
0021	4304	READ/UPDATE failed on GMS.
0022	4302	READ/UPDATE failed on DMS.
0023	4304	REWRITE failed on GMS.
0024	4302	REWRITE failed on DMS.

ANLDHT00 – Deposit History

Purpose This module creates, maintains, and browses Deposit history records.

Panel Programs

- ANL421 – Deposit History New/Maintenance 1
- ANL422 – Deposit History New/Maintenance 2
- ANL423 – Deposit History New/Maintenance 3
- ANL425 – Deposit History New/Maintenance 5
- ANL426 – Deposit History New/Maintenance 6
- ANL428 – Deposit History New/Maintenance 8
- ANL429 – Deposit History New/Maintenance 9
- ANL430 – Deposit History New/Maintenance 10
- ANL431 – Deposit History New/Maintenance 11
- ANL432 – Deposit History New/Maintenance 12

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record

Record	Ext Record Code	Name	Description
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
HCD	ANHCD-RECORD	History Change Demographic Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record

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 ANLDHT00 function module:

Field	Description
CYCLEMM	Cycle month to be selected (optional input).
CYCLEY	Cycle year to be selected (optional input).
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT and SEFFDT).
NEXTKEY	Next key to be processed after SELECTKEY (passed by function module).
IFSHORT	Short Name (passed by function module).
DELETE	Delete. Enter D in this field to delete record.
DELETESW	Delete switch field (set by function module to control deleting).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
LTDAYAUTODEB	Passed from applicable MICM Record 6000.
LTDAYAUTOCHO	Passed from applicable MICM Record 6000.
OSB-LATECHG-BILL	Outstanding Balance Late Charge Invoice.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table (MICM Record 0211).
0005	4302	READ failed on DMS.
0006	4340	READ failed on GHT.
0007	3051	READ failed on MICM Record 6000.
0009	4343	READ failed on OSB.
0010	4347	READ failed on EXC.
0011	3051	READ failed on MICM Record 2005.
0012-0013	3051	READ failed on MICM Record 0242.
0014	3051	READ failed on MICM Record 2001.
0015	3051	READ failed on MICM Record 0248.
0016	3051	READ failed on MICM Record 6001.
0017	3051	READ failed on MICM Record 6013.
0018	4305	READ failed on DHT.
0019	4305	READ/UPDATE failed on DHT.
0020	4305	DELETE failed DHT.
0021	4305	REWRITE failed on DHT.
0022	4302	READ/UPDATE failed on DMS.
0023	4302	REWRITE failed on DMS.
0024	4305	WRITE failed on DHT.
0026	4340	READ/UPDATE failed on GHT.
0027	4340	REWRITE failed on GHT.
0028	4306	READ/UPDATE failed on DLB.
0030	4306	REWRITE failed on DLB.

Trace Code	Abort Code	Description
0031	4306	WRITE failed on DLB.
0032	4306	READ/UPDATE failed on DLB.
0033	4306	DELETE failed on DLB.
0034	4306	WRITE failed on DLB.
0035-0037	4357	READ failed on ORG.
0038	4304	READ failed on GMS.
0039-0052	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0055-0063	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0064	3051	READ failed on MICM Record 1001.
0065	4360	READ/UPDATE failed on TXD.
0066	4360	DELETE failed on TXD.
0067	4352	READ/UPDATE failed on TXS.
0068	4352	DELETE failed on TXS.
0069	7100	READ failed on SPH.
0070	7101	READ failed on SPH.
0071	7102	READ failed on SPH.
0072	4364	WRITE failed on PAX.
0073	4364	Initialization failed on Relationship Table.
0074	4364	Initialization failed on Ultimate Group Table.
0075	4364	Initialization failed on 1-up Table.
0076	4364	Initialization failed on 1-down Table.
0084	4364	Initialization failed on Up Table.
0085	4364	Initialization failed on Down Table.
0086	4321	READ failed on HCD.
0087	4321	WRITE failed on HCD.

ANLDLB00 – Daily Balance New/Inquiry

Purpose This module creates and browses daily balance records.

Panel Programs ANL300 – Daily Balance File New/Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
DLB	ANDLB-RECORD	Daily Balance Record

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 ANLDLB00 function module:

Field	Description
MONTHMM	Cycle month to be selected (optional input).
MONTHYY	Cycle year to be selected (optional input).
STARTDAY	Starting day of cycle period to be displayed (optional input).
IFSHORT	Short Name (passed by function module).
INVESTSW	Investment switch flags investment data (passed by function module).
NEXTMONTH	Next key to be processed after SELECTKEY (passed by function module).
SELECTKEY	Key of record to be selected by function module.
FIRSTDAY	First day of period (passed by function module).
LASTDAY	Last day of period (passed by function module).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
CURN-CODE	Currency Code.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	Error loading CIF Table.
0006	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0010-0013	4306	READ failed on DLB.
0014	4306	READ/UPDATE failed on DLB.
0015	4306	REWRITE failed on DLB.
0016	4302	READ/UPDATE failed on DMS.
0017	4302	REWRITE failed on DMS.
0018	4305	READ/UPDATE failed on DHT.
0019	4305	REWRITE failed on DHT.
0024	4304	REWRITE failed on GMS.
0025	4340	READ/UPDATE failed on GHT.
0026	4340	REWRITE failed on GHT.
0027-0028	4306	READ failed on DLB.
0029	4302	REWRITE failed on DMS.
0031	4306	REWRITE failed on DLB.
0032	4340	READ/UPDATE failed on GMS.
0033	4340	REWRITE failed on GMS.
0034-0035	4306	READ failed on DLB.
0036	4357	READ failed on ORG.
0037	4357	No global record found.
0038	4305	REWRITE failed on DLB.

Trace Code	Abort Code	Description
0039	4340	READ/UPDATE failed on GHT.
0040	4340	REWRITE failed on GHT.
0041	4302	READ/UPDATE failed on DMS.
0042	4305	READ/UPDATE failed on DHT.
0043	4357	READ failed on ORG.
0046	4304	READ failed on GMS.
0047	4340	READ failed on GMS.
0048	4304	READ failed on GMS.
0049-0057	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0058	4340	READ failed on GHT.
0059	4364	Initialization failed on Relationship Table.
0060	4364	Initialization failed on Ultimate Group Table.
0061	4364	Initialization failed on 1-up Table.
0062	4364	Initialization failed on 1-down Table.
0063	4364	Initialization failed on Up Table.
0064	4364	Initialization failed on Down Table.

ANLDMS00 – Deposit Master New/Maintenance

Purpose This module creates and maintains Deposit records.

Panel Programs

- ANL221 – Deposit Master New/Maintenance 1
- ANL222 – Deposit Master New/Maintenance 2
- ANL223 – Deposit Master New/Maintenance 3
- ANL224 – Deposit Master New/Maintenance 4
- ANL225 – Deposit Master New/Maintenance 5
- ANL226 – Deposit Master New/Maintenance 6
- ANL227 – Deposit Master New/Maintenance 7
- ANL228 – Deposit Master New/Maintenance 8
- ANL229 – Deposit Master New/Maintenance 9
- ANL230 – Deposit Master New/Maintenance 10

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2006	M06	MI2006-RECORD	Account Verification Formulas Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
2022	M22	MI2022-RECORD	Language Table Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record

Record	Ext Record Code	Name	Description
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6018	M18	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6031	M31	MI6031-RECORD	Analysis Profile Default Parameter Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAW	ANPAW-RECORD	Promotional Waive Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
RCV	ANRVC-RECORD	Receivable Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TRN	ANTRN-RECORD	Transaction Record

Ext Record Code	Name	Description
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record

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

ANLDMS00 calls the user exit module, ANL060, to validate the Account-to-charge Account Number in relation to the Account-to-charge Institution and Application when any of these three fields are first entered or changed. If the Account-to-charge Account Number is invalid or an error is encountered by ANL060, the applicable error message is displayed on the panel.

Miscellaneous Data Portion The following fields are used by the ANLDMS00 function module:

Field	Description
SBRANCH	Selection branch required for new input.
STYPE	Selection type required for new input.
DELETE	Delete. Enter D in this field to delete record.
DELETESW	Delete Switch (set by function module to control deleting).

Field	Description
CURSW	Currency Switch.
HISTSW	History Switch.
RELATEDSW	Related Switch.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
LTDAYAUTODEB	Passed from applicable MICM 6000 Record.
LTDAYAUTOCHO	Passed from applicable MICM 6000 Record.
RATE-REQST	Rate Request (set to R to receive following fields).
ECRATE	Earned Credit Rate (passed by function module).
ECRATE-FL	Earned Credit Rate Flag (passed by function module).
ODRATE	Overdraft Rate (passed by function module).
ODRATE-FL	Overdraft Rate Flag (passed by function module).
CFRATE	Compensating Fund Rate (passed by function module).
CFRATE-FL	Compensating Fund Rate flag (passed by function module).
SCRATE	Service Charge Rate (passed by function module).
SCRATE-FL	Service Charge Rate Flag (passed by function module).
INTRATE	Interest Rate (passed by function module).
INTRATE-FL	Interest Rate Flag (passed by function module).
RSVRATE	Reserve Rate (passed by function module).
RSVRATE-FL	Reserve Rate Flag (passed by function module).
POBRATE	Profit Objective Rate (passed by function module).
POBRATE-FL	Profit Objective Rate Flag (passed by function module).
COMPDEFRATE	Compensating Default Rate (passed by function module).
COMPDEFRATE-FL	Compensating Default Rate Flag (passed by function module).
FDICRATE	FDIC Rate (passed by function module).
FDICRATE-FL	FDIC Rate Flag (passed by function module).
ALT1ECRATE	Alternate 1 Earnings Credit Rate (passed by function module).
ALT1ECRATE-FL	Alternate 1 Earnings Credit Rate Flag (passed by function module).
ALT1ECBAL	Alternate 1 Earnings Credit Balance (passed by function module).

Field	Description
ALT2ECRATE	Alternate 2 Earnings Credit Rate (passed by function module).
ALT2ECRATE-FL	Alternate 2 Earnings Credit Rate Flag (passed by function module).
ALT2ECBAL	Alternate 2 Earnings Credit Balance (passed by function module).
ALT3ECRATE	Alternate 3 Earnings Credit Rate (passed by function module).
ALT3ECRATE-FL	Alternate 3 Earnings Credit Rate Flag (passed by function module).
ALT3ECBAL	Alternate 3 Earnings Credit Balance (passed by function module).
ALT4ECRATE	Alternate 4 Earnings Credit Rate (passed by function module).
ALT4ECRATE-FL	Alternate 4 Earnings Credit Rate Flag (passed by function module).
ALT4ECBAL	Alternate 4 Earnings Credit Balance (passed by function module).
ALT5ECRATE	Alternate 5 Earnings Credit Rate (passed by function module).
ALT5ECRATE-FL	Alternate 5 Earnings Credit Rate Flag (passed by function module).
ALT5ECBAL	Alternate 5 Earnings Credit Balance (passed by function module).
ALT6ECRATE	Alternate 6 Earnings Credit Rate (passed by function module).
ALT6ECRATE-FL	Alternate 6 Earnings Credit Rate Flag (passed by function module).
ALT6ECBAL	Alternate 6 Earnings Credit Balance (passed by function module).
ALT7ECRATE	Alternate 7 Earnings Credit Rate (passed by function module).
ALT7ECRATE-FL	Alternate 7 Earnings Credit Rate Flag (passed by function module).
ALT7ECBAL	Alternate 7 Earnings Credit Balance (passed by function module).
ALT8ECRATE	Alternate 8 Earnings Credit Rate (passed by function module).

Field	Description
ALT8ECRATE-FL	Alternate 8 Earnings Credit Rate Flag (passed by function module).
ALT8ECBAL	Alternate 8 Earnings Credit Balance (passed by function module).
ALT9ECRATE	Alternate 9 Earnings Credit Rate (passed by function module).
ALT9ECRATE-FL	Alternate 9 Earnings Credit Rate Flag (passed by function module).
ALT9ECBAL	Alternate 9 Earnings Credit Balance (passed by function module).
ALT10ECRATE	Alternate 10 Earnings Credit Rate (passed by function module).
ALT10ECRATE-FL	Alternate 10 Earnings Credit Rate Flag (passed by function module).
ALT10ECBAL	Alternate 10 Earnings Credit Balance (passed by function module).
ALT11ECRATE	Alternate 11 Earnings Credit Rate (passed by function module).
ALT11ECRATE-FL	Alternate 11 Earnings Credit Rate Flag (passed by function module).
ALT11ECBAL	Alternate 11 Earnings Credit Balance (passed by function module).
ALT1INTRATE	Alternate Interest Rate One (passed by function module).
ALT1INTRATE-FL	Alternate Interest Rate Flag One (passed by function module).
ALT1INTBAL	Alternate Interest Balance One (passed by function module).
ALT2INTRATE	Alternate Interest Rate Two (passed by function module).
ALT2INTRATE-FL	Alternate Interest Rate Flag Two (passed by function module).
ALT2INTBAL	Alternate Interest Balance Two (passed by function module).
WVSTART	Start Waive.
WVEND	End Waive.
WVDESC	Waive Description.
SWVIND	Promotional Waive Indicator.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 0211.
0005	4302	READ failed on DMS.
0006	3051	READ failed on MICM Record 0211.
0007	3051	READ failed on MICM Record 2006.
0008	3051	READ failed on MICM Record 2001.
0009	3051	READ failed on MICM Record 6000.
0010	3051	READ failed on MICM Record 6002.
0011	3051	READ failed on MICM Record 6000.
0013	4317	READ failed on RCV.
0014	4343	READ failed on OSB.
0015	3051	READ failed on MICM Record 2001.
0016	3051	READ failed on MICM Record 6002.
0017	3051	READ failed on MICM Record 6001.
0018	3051	READ failed on MICM Record 6013.
0019	3051	READ failed on MICM Record 6015.
0020-0021	3051	READ failed on MICM Record 0242.
0022	3051	READ failed on MICM Record 0248.
0023	3051	READ failed on MICM Record 2022.
0024	4347	READ failed on EXC.
0025	4302	READ/UPDATE failed on DMS.
0026	4302	DELETE failed on DMS.
0027	4347	READ/UPDATE failed on EXC.
0028	4347	DELETE failed on EXC.

Trace Code	Abort Code	Description
0029	4344	READ/UPDATE failed on XRL.
0030	4344	DELETE failed on XRL.
0031	4302	REWRITE failed on DMS.
0032	4302	WRITE failed on DMS.
0033	4347	READ failed on EXC.
0034	4306	READ/UPDATE failed on DLB.
0036	4306	REWRITE failed on DLB.
0037	4306	WRITE failed on DLB.
0038	4329	READ/UPDATE failed on TRN.
0039	4329	DELETE failed on TRN.
0040	4329	WRITE failed on TRN.
0041	4306	READ/UPDATE failed on DLB.
0042	4306	DELETE failed on DLB.
0043	4306	WRITE failed on DLB.
0044	4348	READ failed on WSC.
0046	4304	READ/UPDATE failed on GMS.
0047	4304	REWRITE failed on GMS.
0048	4305	READ/UPDATE failed on DHT.
0049	4305	DELETE failed on DHT.
0050	4354	BROWSE failed on PAW.
0051	3051	READ failed on MICM Record 1001.
0052	3051	READ failed on MICM Record 2018.
0053	4305	READ failed on DHT.
0054	4357	READ failed on ORG (global record).
0055	4357	READ failed on ORG.
0056	4318	READ failed on XRC.
0058	4357	READ failed on ORG.
0059	4317	READ/UPDATE failed on RCV.
0060	4317	REWRITE failed on RCV.
0061	4357	READ failed on ORG.
0062	3051	READ failed on MICM Record 2018.

Trace Code	Abort Code	Description
0063-0092	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0093-0094	4348	READ failed on WSC.
0095-0103	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0104	4360	READ/UPDATE failed on TXD.
0105	4360	DELETE failed on TXD.
0106	4360	READ/UPDATE failed on TXS.
0107	4352	DELETE failed on TXS.
0108	7100	READ failed on SPH.
0109	7101	READ failed on SPH.
0110	7102	READ failed on SPH.
0112	4319	WRITE failed on PAX.
0115	4364	Initialization failed on Relationship Table.
0116	4364	Initialization failed on Ultimate Group Table.
0117	4364	Initialization failed on 1-up Table.
0118	4364	Initialization failed on 1-down Table.
0119	4364	Initialization failed on Up Table.
0120	4364	Initialization failed on Down Table.

ANLEXC00 – Exception Rate New/Maintenance

Purpose This module creates and maintains account exception rate records.

Panel Programs ANL956 – Exception Rate Information One New/Maintenance
ANL957 – Exception Rate Information Two New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
EXC	ANEXC-RECORD	Exception Rate Record

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 ANLEXC00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
IFSHORT	Short Name (passed by function module).
MTYPE	Account Type Number (passed by function module).
MISCPARM	Miscellaneous Parameter (passed by function module).
REGION	Pricing Region (passed by function module).
CURN-CODE	Currency Code.
ODCLC	Calculated Overdraft Rate.
ODIND	Overdraft Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
FDICCLC	Calculated FDIC Rate.
FDICIND	FDIC Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
RESRVCLC	Calculated Reserve Rate.

Field	Description
RESRVIND	Reserve Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
COMPCLC	Calculated Compensating Deficiency Rate.
COMPIND	Compensating Deficiency Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
CPRSVCLC	Calculated Compensating Reserve Rate.
CPRSVIND	Compensating Reserve Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ERNCRCLC	Calculated Earnings Credit Rate.
ERNCRIND	Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
SVCCLC	Calculated Service Charge Rate.
SVCIND	Service Charge Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
INTCLC	Calculated Interest Rate.
INTIND	Interest Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT1ECCLC	Calculated Alternate 1 Earnings Credit Rate.
ALT1ECIND	Alternate 1 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT2ECCLC	Calculated Alternate 2 Earnings Credit Rate.

Field	Description
ALT2ECIND	Alternate 2 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT3ECCLC	Calculated Alternate 3 Earnings Credit Rate.
ALT3ECIND	Alternate 3 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT4ECCLC	Calculated Alternate 4 Earnings Credit Rate.
ALT4ECIND	Alternate 4 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT5ECCLC	Calculated Alternate 5 Earnings Credit Rate.
ALT5ECIND	Alternate 5 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT6ECCLC	Calculated Alternate 6 Earnings Credit Rate.
ALT6ECIND	Alternate 6 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT7ECCLC	Calculated Alternate 7 Earnings Credit Rate.
ALT7ECIND	Alternate 7 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT8ECCLC	Calculated alternate 8 earnings credit rate.
ALT8ECIND	Alternate 8 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT9ECCLC	Calculated Alternate 9 Earnings Credit Rate.

Field	Description
ALT9ECIND	Alternate 9 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT10ECCLC	Calculated Alternate 10 Earnings Credit Rate.
ALT10ECIND	Alternate 10 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT11ECCLC	Calculated Alternate 11 Earnings Credit Rate.
ALT11ECIND	Alternate 11 Earnings Credit Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT1INTCLC	Calculated Alternate 1 Interest Rate.
ALT1INTIND	Alternate 1 Interest Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.
ALT2INTCLC	Calculated Alternate 2 Interest Rate.
ALT2INTIND	Alternate 2 Interest Rate Indicator. Valid entries are: b Use calculated rate. C Use ceiling rate. F Use floor rate.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.

Trace Code	Abort Code	Description
0005	4347	READ failed on EXC.
0006	3051	READ failed on MICM Record 6000.
0007-0020	3051	READ failed on MICM Record 6011.
0021	4347	READ/UPDATE failed on EXC.
0022	4347	DELETE failed on EXC.
0023	4347	REWRITE failed on EXC.
0024	4347	WRITE failed on EXC.
0025	4302	READ/UPDATE failed on DMS.
0026	4302	REWRITE failed on DMS.
0029	4304	READ/UPDATE failed on GMS.
0030	4304	REWRITE failed on GMS.
0031	4304	READ failed on GMS.
0032	4302	READ failed on DMS.
0034	4357	READ failed on ORG.
0035	4357	No global record found on ORG.
0036	4357	READ failed on ORG.
0037-0045	3051	READ failed on MICM Record 6011.
0047	3051	READ failed on MICM Record 1001.

ANLGHT00 – Group History New/Maintenance

Purpose This module creates and maintains Group history records.

Panel Programs

- ANL401 – Group History New/Maintenance 1
- ANL402 – Group History New/Maintenance 2
- ANL403 – Group History New/Maintenance 3
- ANL404 – Group History New/Maintenance 4
- ANL405 – Group History New/Maintenance 5
- ANL406 – Group History New/Maintenance 6
- ANL407 – Group History New/Maintenance 7
- ANL408 – Group History New/Maintenance 8
- ANL409 – Group History New/Maintenance 9
- ANL410 – Group History New/Maintenance 10
- ANL411 – Group History New/Maintenance 11
- ANL412 – Group History New/Maintenance 12
- ANL413 – Group History New/Maintenance 13
- ANL414 – Group History New/Maintenance 14
- ANL415 – Group History New/Maintenance 15
- ANL416 – Group History New/Maintenance 16
- ANL417 – Group History New/Maintenance 17
- ANL418 – Group History New/Maintenance 18

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record

Record	Ext Record Code	Name	Description
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DLB	ANDLB-RECORD	Daily Balance Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
HCD	ANHCD-RECORD	History Change Demographic Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
GHT	ANGHT-RECORD	Group History Record

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 ANLGHT00 function module:

Field	Description
CYCLEMM	Cycle month to be selected (optional input).
CYCLEY	Cycle year to be selected (optional input).
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT and SEFFDT).
NEXTKEY	Next key to be processed after SELECTKEY (passed by function module).
IFSHORT	Short Name (passed by function module).
DELETE	Delete. Enter D in this field to delete record.
DELETESW	Delete Switch (set by function module to control deleting).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
LTDAYAUTODEB	Passed from applicable MICM Record 6000.
LTDAYAUTOCHO	Passed from applicable MICM Record 6000.
OSB-LATECHG-BILL	Outstanding Bill Late Charge Invoice.
CURN-CODE	Currency Code.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 0211.
0005	4304	READ failed on GMS.
0006	4340	READ failed on GHT.
0007	3051	READ failed on MICM Record 6000.
0009	4343	READ failed on OSB.
0010	4347	READ failed on EXC.
0011	3051	READ failed on MICM Record 2005.
0012-0013	3051	READ failed on MICM Record 0242.
0014	3051	READ failed on MICM Record 2001.
0015	3051	READ failed on MICM Record 0248.
0016	3051	READ failed on MICM Record 6001.
0017	3051	READ failed on MICM Record 6013.
0018	4340	READ failed on GHT.
0019	4340	READ/UPDATE failed on GHT.
0020	4340	DELETE failed on GHT.
0021	4340	REWRITE failed on GHT.
0022	4304	READ/UPDATE failed on GMS.
0023	4304	REWRITE failed on GMS.
0024	4340	WRITE failed on GHT.
0025	4306	READ/UPDATE failed on DLB.
0027	4306	REWRITE failed on DLB.
0028	4306	WRITE failed on DLB.
0029	4357	READ failed on ORG.

Trace Code	Abort Code	Description
0031	4357	READ failed on ORG.
0032	4357	READ failed on ORG (global record).
0033	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0034	3051	READ failed on MICM Record 1001.
0035	4360	READ failed on TXD.
0036	4360	DELETE failed on TXD.
0037	4360	READ/UPDATE failed on TXS.
0038	4352	DELETE failed on TXS.
0039	7100	READ failed on SPH.
0040	7102	READ failed on SPH.
0041	7103	READ failed on SPH.
0042	4319	WRITE failed on PAX.
0043	4321	READ failed on HCD.
0044	4321	WRITE failed on HCD.

ANLGMS00 – Group Master New/Maintenance

Purpose This module creates and maintains Group records.

Panel Programs

- ANL201 – Group Master New/Maintenance 1
- ANL202 – Group Master New/Maintenance 2
- ANL203 – Group Master New/Maintenance 3
- ANL204 – Group Master New/Maintenance 4
- ANL205 – Group Master New/Maintenance 5
- ANL206 – Group Master New/Maintenance 6
- ANL207 – Group Master New/Maintenance 7
- ANL208 – Group Master New/Maintenance 8
- ANL209 – Group Master New/Maintenance 9
- ANL210 – Group Master New/Maintenance 10

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2006	M06	MI2006-RECORD	Account Verification Formulas Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
2022	M22	MI2022-RECORD	Language Table Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record

Record	Ext Record Code	Name	Description
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6018	M18	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6031	M31	MI6031-RECORD	Analysis Profile Default Parameter Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DLB	ANDLB-RECORD	Daily Balance Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAW	ANPAW-RECORD	Promotional Waive Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
RCV	ANRVC-RECORD	Receivable Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TRN	ANTRN-RECORD	Transaction Record
TXD	ANTXD-RECORD	Tax Detail Record

Ext Record Code	Name	Description
TXS	ANTXS-RECORD	Tax Summary Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
GMS	ANGMS-RECORD	Group Master Record

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

ANLGMS00 calls the user exit module, ANL060, to validate the Account-to-charge Account Number in relation to the Account-to-charge Institution and Application when any of these three fields are first entered or changed. If the Account-to-charge Account Number is invalid or an error is encountered by ANL060, the applicable error message is displayed on the panel.

Miscellaneous Data Portion The following fields are used by the ANLGMS00 function module:

Field	Description
SBRANCH	Selection branch required for new input.
STYPE	Selection type required for new input.
DELETE	Delete. Enter D in this field to delete record.
DELETESW	Delete Switch (set by function module to control deleting).
HISTSW	History Switch.

Field	Description
RELATEDSW	Related Switch.
CURSW	Currency Switch.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
LTDAYAUTODEB	Passed from applicable MICM 6000 Record.
LTDAYAUTOCHO	Passed from applicable MICM 6000 Record.
RATE-REQST	Rate Request (set to R to receive following fields).
ECRATE	Earned Credit Rate (passed by function module).
ECRATE-FL	Earned Credit Rate Flag (passed by function module).
ODRATE	Overdraft Rate (passed by function module).
ODRATE-FL	Overdraft Rate Flag (passed by function module).
CFRATE	Compensating Fund Rate (passed by function module).
CFRATE-FL	Compensating Fund Rate flag (passed by function module).
SCRATE	Service Charge Rate (passed by function module).
SCRATE-FL	Service Charge Rate Flag (passed by function module).
INTRATE	Interest Rate (passed by function module).
INTRATE-FL	Interest Rate Flag (passed by function module).
RSVRATE	Reserve Rate (passed by function module).
RSVRATE-FL	Reserve Rate Flag (passed by function module).
POBRATE	Profit Objective Rate (passed by function module).
POBRATE-FL	Profit Objective Rate Flag (passed by function module).
COMPDEFRATE	Compensating Default Rate (passed by function module).
COMPDEFRATE-FL	Compensating Default Rate flag (passed by function module).
ALT1ECRATE	Alternate 1 Earnings Credit Rate (passed by function module).
ALT1ECRATE-FL	Alternate 1 Earnings Credit Rate Flag (passed by function module).
ALT1ECBAL	Alternate 1 Earnings Credit Balance (passed by function module).
ALT2ECRATE	Alternate 2 Earnings Credit Rate (passed by function module).

Field	Description
ALT2ECRATE-FL	Alternate 2 Earnings Credit Rate Flag (passed by function module).
ALT2ECBAL	Alternate 2 Earnings Credit Balance (passed by function module).
ALT3ECRATE	Alternate 3 Earnings Credit Rate (passed by function module).
ALT3ECRATE-FL	Alternate 3 Earnings Credit Rate Flag (passed by function module).
ALT3ECBAL	Alternate 3 Earnings Credit Balance (passed by function module).
ALT4ECRATE	Alternate 4 Earnings Credit Rate (passed by function module).
ALT4ECRATE-FL	Alternate 4 Earnings Credit Rate Flag (passed by function module).
ALT4ECBAL	Alternate 4 Earnings Credit Balance (passed by function module).
ALT5ECRATE	Alternate 5 Earnings Credit Rate (passed by function module).
ALT5ECRATE-FL	Alternate 5 Earnings Credit Rate Flag (passed by function module).
ALT5ECBAL	Alternate 5 Earnings Credit Balance (passed by function module).
ALT6ECRATE	Alternate 6 Earnings Credit Rate (passed by function module).
ALT6ECRATE-FL	Alternate 6 Earnings Credit Rate Flag (passed by function module).
ALT6ECBAL	Alternate 6 Earnings Credit Balance (passed by function module).
ALT7ECRATE	Alternate 7 Earnings Credit Rate (passed by function module).
ALT7ECRATE-FL	Alternate 7 Earnings Credit Rate Flag (passed by function module).
ALT7ECBAL	Alternate 7 Earnings Credit Balance (passed by function module).
ALT8ECRATE	Alternate 8 Earnings Credit Rate (passed by function module).
ALT8ECRATE-FL	Alternate 8 Earnings Credit Rate Flag (passed by function module).

Field	Description
ALT8ECBAL	Alternate 8 Earnings Credit Balance (passed by function module).
ALT9ECRATE	Alternate 9 Earnings Credit Rate (passed by function module).
ALT9ECRATE-FL	Alternate 9 Earnings Credit Rate Flag (passed by function module).
ALT9ECBAL	Alternate 9 Earnings Credit Balance (passed by function module).
ALT10ECRATE	Alternate 10 Earnings Credit Rate (passed by function module).
ALT10ECRATE-FL	Alternate 10 Earnings Credit Rate Flag (passed by function module).
ALT10ECBAL	Alternate 10 Earnings Credit Balance (passed by function module).
ALT11ECRATE	Alternate 11 Earnings Credit Rate (passed by function module).
ALT11ECRATE-FL	Alternate 11 Earnings Credit Rate Flag (passed by function module).
ALT11ECBAL	Alternate 11 Earnings Credit Balance (passed by function module).
ALT1INTRATE	Alternate Interest Rate One (passed by function module).
ALT1INTRATE-FL	Alternate Interest Rate Flag One (passed by function module).
ALT1INTBAL	Alternate Interest Balance One (passed by function module).
ALT2INTRATE	Alternate Interest Rate Two (passed by function module).
ALT2INTRATE-FL	Alternate Interest Rate Flag Two (passed by function module).
ALT2INTBAL	Alternate Interest Balance Two (passed by function module).
WVSTART	Waive Start.
WVEND	Waive End.
WVDESC	Waive Description.
SWVIND	Promotional Waive Indicator.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 0211.
0005	4304	READ failed on GMS.
0006	3051	READ failed on MICM Record 0211.
0007	3051	READ failed on MICM Record 2006.
0008	3051	READ failed on MICM Record 2001.
0009	3051	READ failed on MICM Record 6000.
0010	3051	READ failed on MICM Record 6002.
0011	3051	READ failed on MICM Record 6000.
0012	4318	READ failed on XRC.
0013	4317	READ failed on RCV.
0014	4343	READ failed on OSB.
0015	3051	READ failed on MICM Record 2001.
0016	3051	READ failed on MICM Record 6002.
0017	3051	READ failed on MICM Record 6001.
0018	3051	READ failed on MICM Record 6013.
0019	3051	READ failed on MICM Record 6015.
0020-0021	3051	READ failed on MICM Record 0242.
0022	3051	READ failed on MICM Record 0248.
0023	3051	READ failed on MICM Record 2022.
0024	4347	READ failed on EXC.
0025	4304	READ/UPDATE failed on GMS.
0026	4304	DELETE failed on GMS.
0027	4347	READ/UPDATE failed on EXC.

Trace Code	Abort Code	Description
0028	4347	DELETE failed on EXC.
0029	4344	READ/UPDATE failed on XRL.
0030	4344	DELETE failed on XRL.
0031	4304	REWRITE failed on GMS.
0032	4304	WRITE failed on GMS.
0033	4347	READ failed on EXC.
0034	4306	READ/UPDATE failed on DLB.
0036	4306	REWRITE failed on DLB.
0037	4306	WRITE failed on DLB.
0038	4329	READ/UPDATE failed on TRN.
0039	4329	DELETE failed on TRN.
0040	4329	WRITE failed on TRN.
0041	4348	READ failed on WSC.
0042	4340	READ/UPDATE failed on GHT.
0043	4340	DELETE failed on GHT.
0044	4354	READ failed on PAW.
0045	3051	READ failed on MICM Record 1001.
0046	3051	READ failed on MICM Record 2018.
0047	4340	READ failed on GHT.
0048-0049	4357	READ failed on ORG.
0052	4357	READ failed on ORG (global record).
0053	4317	READ/UPDATE failed on RCV.
0054	4317	REWRITE failed on RCV.
0055	4357	READ failed on ORG.
0056	3051	READ failed on MICM Record 2018.
0057-0082	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0083-0084	4348	READ failed on WSC.
0085-0093	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.
0094	4360	READ/UPDATE failed on TXD.
0095	4360	DELETE failed on TXD.

Trace Code	Abort Code	Description
0096	4360	READ/UPDATE failed on TXS.
0097	4352	DELETE failed on TXS.
0098	7100	READ failed on SPH.
0099	7101	READ failed on SPH.
0100	7102	READ failed on SPH.
0101	4319	WRITE failed on PAX.
0102	4319	WRITE failed on PAX.

ANLHST00 – Maintenance History Inquiry

Purpose This module extracts data from the Maintenance History file by Record Code, Operator, Application/Account, and Maintenance Date as well as other selection criteria.

Panel Programs ANL460 – Maintenance History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-Record	Online and Batch Messages Record
2017	M17	MI2017-RECORD	Maintenance History Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
HST	ANHST-RECORD	Maintenance History Record

Message Area Layout

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

Record Portion The following API records 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 API Records section of *Reference Guide 3*.

Ext Record Code	Name	Description
HST	ANHST-RECORD	Maintenance History Record

Data Change Portion For each key/selection field in the Miscellaneous Data portion of the message area, there are data change fields (-DCHG). The function will return an 'E' for each key/selection field for which an error is found and an 'I' for each selection field that is inquiry based on key fields entered.

Miscellaneous Data Portion The following fields are used by the ANLHST00 function module:

Field	Description
1OPER	Output Line 1 Operator ID.
1INST	Output Line 1 Operator Institution.
1CURDT	Output Line 1 Current Date Edited.
3ACCT	Output Line 3 Account Number.
3APPL	Output Line 3 Application Code.
3MNTOPR	Output Line 3 Maintenance Operator.
5SHORT	Output Line 5 Short Name.
5MNTDTE	Output Line 5 Maintenance Date Edited.
5MNTTME	Output Line 5 Maintenance Time Edited.
6MNTINST	Output Line 6 Maintenance Institution.
7PANELID	Output Line 7 Maintenance Panel/Program.
8RECDISC	Output Line 8 Maintenance Record Description.
8FLDNBR	Output Line 8 Maintenance Field Number.
SELECT	Key of Record to be Selected. Formatted as Key0, Key1 or Key2.
NEXT	Key of Next Record to be Selected.
KINST	Input Key Institution.
KACCT	Input Key Account.
KAPPL	Input Key Application. (Required when Account is entered)
KRECID	Input Key Record Code.
KOPER	Input Key Maintenance Operator.
KNEWDT	Input Key Maintenance Newest Date. (Optional)
KOLDDT	Input Key Maintenance Oldest Date. (Optional)
KDIRECT	Input Key Direct Code. (Optional)
KSEL	Input Key Further Selection. (Default N)
SINST	Input Select Institution. (Optional)
SCYCMO	Input Select Cycle Month. (Optional)

Field	Description
SCYCYR	Input Select Cycle Year. (Optional)
SSVCODE	Input Select Service Code. (Optional)
SORIGIN	Input Select Origin. (Optional)
SPLNBR	Input Select Price List. (Optional)
SREGION	Input Select Region. (Optional)
STYPE	Input Select Type. (Optional)
SUSER	Input Select User. (Optional)
STXRGN	Input Select Tax Region. (Optional)

Select Portion

At least one of the following fields is required for the key/selection panel.

Field	Description
KACCT	Account Number.
KAPPL	Application.
KOPERID	Operator ID.
KRECID	Record Code.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 0211.
0005	3051	READ failed on MICM Record 2018.
0006	3051	READ failed on MICM Record 6000.

ANLINV00 – Invoice Number Maintenance

Purpose This module maintains the invoice numbers.

Panel Programs ANL940 – Invoice Number Maintenance

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
INV	ANINV-RECORD	Invoice Number Record
ORG	ANORG-RECORD	Organization Identification Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
INV	ANINV-RECORD	Invoice Number Record

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 ANLINV00 function module:

Field	Description
DELETE	Delete.
DELETE-DCHG	Delete Change.
CODASYL	Current Date. Format is YYYYMMDD.

Field	Description
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST and SORG).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).
SINST	Selection Institution (input from panel program).
SORGID	Selection Organization Identification (input from panel program).

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	4301	READ failed on BNK.
0004	4362	WRITE failed on INV.
0005	4362	LOCK failed on INV.
0006	4362	UPDATE failed on INV.
0008	4357	READ failed on ORG.

ANLXR00 – Invoice Cross-reference Inquiry

Purpose This module browses invoice cross-reference information.

Panel Programs ANL909 – Invoice Cross-reference Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
IXR	ANIXR-RECORD	Invoice Cross-reference Record

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 ANLIXR00 function module:

Field	Description
SINST	Selection Institution (input from panel program).
SINVNBR	Selection Invoice Number (input from panel program).
CUR-CODASYL	Current Analysis Date. Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST and SINVNBR).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4351	READ failed on IXR.
0006	4302	READ failed on DMS.
0008	4304	READ failed on GMS.

ANLMSG00 – Statement Message

Purpose This module adds, deletes and maintains statement message records.

Panel Programs ANL925 – Statement Message New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
2022	M22	MI2022-RECORD	Language Table Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
MSG	ANMSG-RECORD	Statement Message Record
ORG	ANORG-RECORD	Organization Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
MSG	ANMSG-RECORD	Statement Message Record

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 ANLMSG00 function module:

Field	Description
SELECTKEY	Key of record to be selected by function module.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	4357	READ failed on ORG.
0006	3051	READ failed on MICM Record 6032.
0007	3057	Error loading CIF Table.
0008-0009	3051	READ failed on MICM Record 0242.
0010	3051	READ failed on MICM Record 0248.
0011	3051	READ failed on MICM Record 2022.
0012-0014	4364	READ failed on MSG.

Trace Code	Abort Code	Description
0015	4364	DELETE failed on MSG.
0016	4364	REWRITE failed on MSG.
0017	4364	WRITE failed on MSG.

ANLORG00 – Organization Maintenance

Purpose This module maintains Organization Records.

Panel Programs ANL935 – Organization Maintenance

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
ORG	ANORG-RECORD	Organization Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
ORG	ANORG-RECORD	Organization Record

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 ANLORG00 function module:

Field	Description
DELETE	Delete.
DELETE-DCHG	Delete Change.
CUR-CODASYL	Current Date.
SELECTKEY	Key of the record to be read by the function module. If spaces, this field is built using the SINST, SORGID and SGLOBAL-IND.

Field	Description
NXTKEY	Next key to be processed.
SGLOBAL-IND	Global Indicator Code.
SORGID	Organization Identification.
SORGID-DCHG	Organization Identification Change.
INST	Institution.

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	4301	READ failed on BNK.
0004	4357	READ failed on ORG.
0005	4357	READ failed on ORG.
0006	4357	READ NEXT failed on ORG.
0007	4357	WRITE failed on ORG.
0008	4357	READ/LOCK failed on ORG.
0009	4357	REWRITE failed on ORG.
0010	4357	DELETE failed on ORG.
0011	4357	READ NEXT failed on ORG.

ANLOS00 – Outstanding Bill Inquiry

Purpose This module browses billed and invoiced accounts, showing their current receivable balances.

Panel Programs ANL906 – Past Due Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
OSB	ANOSB-RECORD	Outstanding Bills Record

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 ANLOSB00 function module:

Field	Description
SINST	Selection Institution (passed from panel program).
SADES	Selection Application Designation (passed from panel program).
SACCOUNT	Selection Account (passed from panel program).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
IFSHORT	Short Name (passed by function module).
CURRDUEDT	Current Due Date (passed by function module).
CURRDUEAT	Current Due Amount (passed by function module).
DISPUTEAT	Dispute Amount (passed by function module).
CURRCHOAT	Current Charge Off Amount (passed by function module).
CURRTOTAT	Current Total Amount (passed by function module).
PASTDUEDT	Past Due Date (passed by function module).
OSB-CURN	Outstanding Bill Currency Code.
PASTDUEAT	Past Due Amount (passed by function module).
PDCHRGSAT	Past Due Charges Amount (passed by function module).
PASTCHOAT	Past Charge Off Amount (passed by function module).

Field	Description
PASTTOTAT	Past Total Amount (passed by function module).
UNAPPLPAY	Unapplied Payment (passed by function module).
UPDUECHG	Remaining Late Charge.
OVERPAY	Over Payment (passed by function module).
LASTBILL	Last Bill Amount (passed by function module)
LASTBDT	Last Bill Date (passed by function module).
CURN-CODE	Currency Code.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008	4317	READ failed on RCV.
0009	3051	READ failed on MICM Record 6000.
0010-0011	4343	READ failed on OSB.
0012-0013	4345	READ failed on PAY.
0014	4340	READ failed on GHT.
0015	4305	READ failed on DHT.
0017	3051	READ failed on MICM Record 1001.

ANLOS01 – Invoice Payment Inquiry

Purpose This module browses invoice payment history information.

Panel Programs ANL908 – Invoice Payment Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
OSB	ANOSB-RECORD	Outstanding Bills Record

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 ANLOSB01 function module:

Field	Description
SINST	Selection Institution (input from panel program).
SADES	Selection Application Designation (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SCYCLEMO	Selection Cycle Month (input from panel program).
SCYCLEYR	Selection Cycle Year (input from panel program).
CYCLEDT-CODASYL	Analysis Cycle Date (passed by function module). Format is YYYYMMDD.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
IFSHORT	Short Name (passed by function module).
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT, SCYCLEMO, and SCYCLEYR).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 0211.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008	4343	READ failed on OSB.

ANLPAW00 – Promotional Waive Account

Purpose This module maintains Promotional Waive Records.

Panel Programs ANL928 – Promotional Waive Account

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAW	ANPAW-RECORD	Promotional Waive Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
PAW	ANPAW-RECORD	Promotional Waive Record

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 ANLPAW00 function module:

Field	Description
DELETE	Delete.
DELETE-DCHG	Delete Change.
CUR-CODASYL	Current Date.
SELECTKEY	Key of the record to be selected by the function module. If blank, built using SACCT, SAPPL, and SHISTDT.
NXTKEY	Next Key in the file.
SSERVCD	Service Code.
SACCOUNT	Account Number.
CURN-CODE	Currency Code.

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	4301	READ failed on BNK.
0004	3051	Error occurred while building CIF application table.
0005	3051	READ failed on MICM Record 6000.
0006	4302	READ failed on DMS.
0008	4302	READ failed on GMS.
0009-0010	4354	READ failed on PAW.
0011	4354	LOCK failed on PAW.
0012	4354	REWRITE failed on PAW.
0013	4354	DELETE failed on PAW.
0014	4354	READ/UPDATE failed on PAW.
0015	4354	DELETE failed on PAW.

Trace Code	Abort Code	Description
0016	4354	READ failed on PAW.
0017	4357	READ failed on ORG.
0018	4357	READ failed on ORG (global record).
0019	4357	READ failed on ORG.

ANLPAX00 – Profile Account New/Maintenance

Purpose This module maintains profile-to-account relationships.

Panel Programs ANL931 – Profile Account Cross-reference

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
2003	M03	MI2003-RECORD	Screen Security Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
RPC	ANRPC-RECORD	Repricing Request Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
PAX	ANPAX-RECORD	Profile Account Cross-reference Record

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 ANLPAX00 function module:

Field	Description
SK-INST	Zero Institution of key to be selected.
SK-PROFILE	Profile Number of key to be selected.
SK-EFFCYC	Effective Cycle.
SK-RINST	Related Institution of key to be selected.
SK-RAPPL	Related Application Number of key to be selected.
SK-RACCT	Related Deposit/Group Account Number of key to be selected.
MINST	Processing Institution (Signon Institution).
NBR-OCCURS	Number of records processed.
END-FILE-INST	End of Processing Indicator.
GSTARTCYC	Global Start Cycle.
GENDCYC	Global End Cycle.
GDELETE	Global Delete.
GREPRINT	Global Reprint.
GUPDTS	Global Number of Accounts Updated.
DELETE	Individual Delete (one per item processed).
STARTCYC	Individual Start Cycle.
REPRINT	Individual Reprint.
EXPIRE-IND	Individual Expire Indicator (one per item processed). Contains * when item is about to expire.

Field	Description
MSG-IND	Individual Message Indicator. Contains E when error exists.
MSG-TEXT	Individual Error Message. Contains error message when error exists.

Select Portion

The following fields are required for the selection panel.

Field	Description
PROFILE	Profile Number is required when in maintenance.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	4357	READ failed on ORG.
0006-0008	4319	READ failed on PAX.
0009-0010	4319	READ/UPDATE failed on PAX.
0011	4319	DELETE failed on PAX.
0012	4315	WRITE failed on APX.
0013	4319	DELETE failed on PAX.
0014	4302	READ/UPDATE failed on DMS.
0015	4302	REWRITE failed on DMS.
0016	4305	READ/UPDATE failed on DHT.
0017	4305	REWRITE failed on DHT.
0018	4304	READ/UPDATE failed on GMS.
0019	4304	REWRITE failed on GMS.

Trace Code	Abort Code	Description
0020	4340	READ/UPDATE failed on GHT.
0021	4340	REWRITE failed on GHT.
0022	4319	READ/UPDATE failed on PAX.
0023	4319	DELETE failed on PAX.
0024	4319	WRITE failed on PAX.
0025	4319	DELETE failed on PAX.
0026	4302	READ/UPDATE failed on DMS.
0027	4302	REWRITE failed on DMS.
0028	4305	READ/UPDATE failed on DHT.
0029	4305	REWRITE failed on DHT.
0030	4304	READ/UPDATE failed on GMS.
0031	4304	REWRITE failed on GMS.
0032	4340	READ/UPDATE failed on GHT.
0033	4340	REWRITE failed on GHT.
0034	4302	READ failed on DMS.
0035	4304	READ failed on GMS.
0036-0037	6145	Return from SLS140 is invalid.
0038	4301	READ failed on BNK.
0039	3051	READ failed on MICM Record 6000.

ANLPAY00 – Payment History New

Purpose This module enters account receivable payments.

Panel Programs ANL140 – Payment Entry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
PAY	ANPAY-RECORD	Payment History Record

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 ANLPAY00 function module:

Field	Description
SINST	Selection Institution (passed from panel program).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
PYMTTOT	Payments Amount Total (input from panel program).
TSQITEM	TSQ Item Count.
PYMTACPT	Payments Accepted Totals (calculated by function module).
PYMTDEF	Deference between payments total and payments accepted totals.
RVRSTOT	Reversal Amount Total (input from panel program).
RVRSACPT	Reversal Accepted Totals (calculated by function module).
RVRSDEF	Difference between reversal total and reversal accepted totals.

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.

Trace Code	Abort Code	Description
0003	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	3051	READ failed on MICM Record 6000.
0006	0106	READ failed on TSQ.
0007	4302	READ failed on DMS.
0009	4304	READ failed on GMS.
0010	4351	READ failed on IXR.
0011	4343	READ failed on OSB.
0012	4317	READ failed on RCV.
0013-0015	4345	READ failed on PAY.
0016	0106	WRITE/REWRITE failed on TSQ.
0017	0106	READ failed on TSQ.
0018	4345	READ failed on PAY.
0019	4345	WRITE failed on PAY.
0021	4357	READ failed on ORG.
0022	4357	No global record found on ORG.
0023	4357	READ failed on ORG.

ANLPAY01 – Payment History Inquiry

Purpose This module passes all payments on the Payment History Record for a specific account. It also allows any payment to be deleted.

Panel Programs ANL907 – Payment Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
PAY	ANPAY-RECORD	Payment History Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
PAY	ANPAY-RECORD	Payment History Record

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 ANLPAY01 function module:

Field	Description
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, and SACCOUNT).
SINST	Selection Institution (passed from panel program).
SADES	Selection Application Designation (passed from panel program).
SACCOUNT	Selection Account (passed from panel program).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
IFSHORT	Short Name (passed by function module).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008	4345	READ NEXT failed on PAY.
0010	4345	READ failed on PAY.
0011	4345	REWRITE failed on PAY.
0012	4345	DELETE failed on PAY.

ANLPRO00 – Promotional Waive

Purpose This module establishes and maintains the Promotional Waive Records.

Panel Programs ANL926 – Promotional Waive

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
PRO	ANPRO-RECORD	Promotional Waive Parameters Record

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 ANLPRO00 function module:

Field	Description
DELETE	Delete.
DELETE-DCHG	Delete Change.
CUR-CODASYL	Current Date.
SELECTKEY	Key of the record to be selected by the function module. If blank, built using SACCT, SAPPL, and SHISTDT.
NXTKEY	Next Key in the file.
SSERVCD	Selection Service Code.
SREGION	Selection Region.
STYPE	Selection Type.
SCC	Selection Cost Center.
SUSERCODE4	Selection User Code.
SACCOUNT	Selection Account Number.
SEFFDT	Selection Effective Date.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	3051	READ failed on MICM Record 6000.
0006	3051	READ failed on MICM Record 6002.
0007	4302	READ failed on DMS.
0009	4304	READ failed on GMS.
0010-0018	4355	READ failed on PRO.

Trace Code	Abort Code	Description
0019-0020	4355	WRITE failed on PRO.
0021	4355	LOCK failed on PRO.
0022	4355	REWRITE failed on PRO.
0023	4355	LOCK failed on PRO.
0024	4355	DELETE failed on PRO.
0025	4355	WRITE failed on PRO.
0026	4355	LOCK failed on PRO.
0027	4355	DELETE failed on PRO.
0028	4355	LOCK failed on PRO.
0029	4355	DELETE failed on PRO.
0030	4355	READ failed on PRO.
0031	4357	READ failed on ORG.

ANLRET00 – Recurring Transaction New/Delete

Purpose This module creates, deletes, and browses recurring transactions.

Note: Recurring transactions are created to occur as the account normally cycles or by a specific schedule.

Panel Programs ANL700 – Recurring Transaction New/Delete/Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
RET	ANRET-RECORD	Recurring Transaction Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
RET	ANRET-RECORD	Recurring Transaction Record

- 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 ANLRET00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT, SSERVCD, SMTYPE and SPLNBR).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).
SINST	Selection Institution (input from panel program).
SADES	Selection Application Designation (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SSERVCD	Selection Service Code (input from panel program).
SPLNBR	Selection Miscellaneous Parameter (input from panel program).
SMTYPE	Selection Account Type (input from panel program).
SREGION	Selection Region (input from panel program).
SORIGIN	Selection Origination (input from panel program).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008-0009	4314	READ failed on RET.
0010	3051	READ failed on MICM Record 6000.
0012	4314	WRITE failed on RET.
0013	4314	READ/UPDATE failed on RET.
0014	4314	DELETE failed on RET.
0015	4314	READ failed on RET.
0016	4357	READ failed on ORG.

ANLRPC00 – Repricing Request New/Maintenance

Purpose This module creates, maintains, and browses Repricing Request Records.

Panel Programs ANL914 – Repricing Request New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
RPC	ANRPC-RECORD	Repricing Request Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
RPC	ANRPC-RECORD	Repricing Request Record

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 ANLRPC00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
DELETE-DCHG	Delete Change.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
IFSHORT	Short Name (passed by function module).
SELECTKEY	Key of record to be selected by function module.
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).

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.

Trace Code	Abort Code	Description
0003	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008-0009	4349	READ failed on RPC.
0010	3051	READ failed on MICM Record 6000.
0012	4349	WRITE failed on RPC.
0013	4349	READ/UPDATE failed on RPC.
0014	4349	REWRITE failed on RPC.
0015	4349	DELETE failed on RPC.
0016	4357	READ failed on ORG.
0017	4357	Global record not found on ORG.
0018	4357	READ failed on ORG.

ANLSCH01 – Service Charge History Inquiry

Purpose This module browses and passes information from the Service Charge Record.

Panel Programs ANL900 – Service Charge Item Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
SCH	ANSCH-RECORD	Service Charge Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
SCH	ANSCH-RECORD	Service Charge Record

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 ANLSCH01 function module:

Field	Description
FIRSTKEY	Key of first record selected by function module.
PREVKEY	Key of previous record selected by function module.
SELECTKEY	Key of record to be selected by function module.
NXTSELKEY	Next key to be processed after SELECTKEY (passed by function module).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005-0006	4324	READ failed on SCH.

ANLSPH00 – Standard Pricing Hierarchy

Purpose This module creates and maintains pricing hierarchy records.

Panel Programs ANL934 – Standard Pricing Hierarchy

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
ORG	ANORG-RECORD	Organization Identification Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record

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 ANLSPH00 function module:

Field	Description
SELECTKEY	Key of record to be selected by function module.
DELETE	Delete. Enter D in this field to delete record.

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	4301	READ failed on BNK.
0004	4357	READ failed on BNK.
0005-0007	4363	READ failed on SPH.
0008	4363	DELETE failed on SPH.
0009	4363	WRITE failed on SPH.

ANLSTI01 – ANSTI Analysis Balances

Purpose This module creates the data that produces the Analysis Statement balance information.

Panel Programs ANL930 – Statement History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
YBI	ANYBI-RECORD	Repository Balance Information – Investment Record

Ext Record Code	Name	Description
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record
YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
YCI	ANYCI-RECORD	Repository Customer Information Record
YRD	ANYRD-RECORD	Repository Recap Detail Record
YRT	ANYRT-RECORD	Repository Recap Totals Record
YSD	ANYSD-RECORD	Repository Service Detail Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL930 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	READ failed on MICM Record 1001.
0006	3051	Error occurred while building CIF application table.
0007	4304	READ failed on GMS.

Trace Code	Abort Code	Description
0008	4302	READ failed on DMS.
0009	4305	READ failed on DHT.
0010	4340	READ failed on GHT.
0011	4365	READ failed on YCI.
0012	4366	READ failed on YBI.
0013	4367	READ failed on YBN.
0014	4368	READ failed on YBW.
0015	3051	READ failed on MICM Record 2018.
0016	3051	READ failed on MICM Record 2001.
0017-0019	4307	Error processing Sort Table.
0020-0021	3051	READ failed on MICM Record 6028.
0022	3051	READ failed on MICM Record 2018.

ANLSTI02 – ANSTI Analysis Service Charge

Purpose This module creates the data that produces the Analysis Statement service charge information.

Panel Programs ANL930 – Statement History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record

Ext Record Code	Name	Description
YCI	ANYCI-RECORD	Repository Customer Information Record
YSD	ANYSD-RECORD	Repository Service Detail Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL930 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	READ failed on MICM Record 1001.
0006	3051	Error occurred while building CIF application table.
0007	4304	READ failed on GMS.
0008	4302	READ failed on DMS.
0009	3051	READ failed on MICM Record 2018.
0010	4305	READ failed on DHT.
0011	4340	READ failed on GHT.
0012	4365	READ failed on YCI.

Trace Code	Abort Code	Description
0013	4367	READ failed on YBN.
0014	3051	READ failed on MICM Record 2018.
0015	3051	READ failed on MICM Record 2001.
0016-0018	4307	Error processing Sort Table.
0019	3051	READ failed on MICM Record 2018.

ANLSTI03 – ANSTI Multi-currency Totals

Purpose This module creates the data that produces the Analysis Statement multi-currency information.

Panel Programs ANL930 – Statement History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
YER	ANYER-RECORD	Repository Exchange Rates Record
YST	ANYST-RECORD	Repository Service Totals by Currency Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL930 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	READ failed on MICM Record 1001.
0006	3051	Error occurred while building CIF application table.
0007	4304	READ failed on GMS.
0008	4302	READ failed on DMS.
0009	4305	READ failed on DHT.
0010	4340	READ failed on GHT.
0011	4365	READ failed on MICM Record 2018.
0012	3051	READ failed on MICM Record 2001.
0013-0019	4365	READ failed on YST.
0020	3051	READ failed on MICM Record 2018.

ANLSTI99 – ANSTI Analysis Cross-reference

Purpose This module displays cross-reference information for related accounts.

Panel Programs ANL930 – Statement History Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record.
XRD	ANXRD-RECORD	Cross-reference Data Record.

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.

Data/Detail Portion The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL930 panel program).

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

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 1001.
0005	3051	READ failed on MICM Record 6000.
0006	3051	Error occurred while building CIF application table.
0007	4304	READ failed on GMS.
0008	4340	READ failed on GHT.
0009	3051	READ failed on MICM Record 2001.
0010	4364	Get relationship failed.
0011	4340	READ failed on GHT.
0012	4305	READ failed on DHT.
0013-0018	4364	Table initialization failed.

ANLSTM00 – ANSTM Statement Build

Purpose This module builds the records used to produce statements for existing statement periods.

Panel Programs ANL920 – Statement Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2011	M11 (MI)	MI2011-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11 (AN)	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record
6018	M18	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record

Record	Ext Record Code	Name	Description
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
INV	ANINV-RECORD	Invoice Number Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivable Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
STW	ANSTW-RECORD	Statement Work Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL920 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	READ failed on MICM Record 1001.
0006	0106	Error loading CIF Table.
0007	4302	READ failed on DMS.
0008	4304	READ failed on GMS.
0009	4305	READ failed on DHT.
0010	4340	READ failed on GHT.
0011	4364	Error getting relationship.
0012	4302	READ failed on DMS.
0013	4305	READ failed on DHT.
0014	3051	READ failed on MICM Record 6013.
0015	3051	READ failed on MICM Record 2001.
0016	3000	Process currency.
0017	4304	READ failed on GMS.

Trace Code	Abort Code	Description
0018	4340	READ failed on GHT.
0019	3051	READ failed on MICM Record 6013.
0020	3051	READ failed on MICM Record 2001.
0021	3000	Process currency.
0022-0023	4307	WRITE failed on ANSTDY.
0024-0057	3000	Process currency.
0058	3051	READ failed on MICM Record 6011.
0059	4348	READ failed on WSC.
0060	4307	READ failed on ANSTDY.
0061	4307	READ failed on ANSORT.
0062	4307	READ failed on ANWRK3.
0063-0065	4307	WRITE failed on ANSORT.
0066	4329	READ failed on TRN.
0067	4304	READ failed on GMS.
0068	4307	READ failed on ANSTMD.
0069-0070	4307	WRITE failed on ANSORT.
0071-0072	4307	WRITE failed on ANSTW1.
0073-0074	4307	WRITE failed on ANWRK3.
0075	4301	READ failed on BNK.
0076	3051	READ failed on MICM Record 6000.
0077	4307	READ failed on ANSTW1.
0078	4364	Get relationship.
0079	4303	Pricing distribution error.
0080	4301	READ failed on BNK.
0081	4307	READ failed on ANSTDY.
0082	4302	READ failed on DMS.
0083	4307	READ failed on ANSTMD.
0084	4364	Get relationship.
0085	4304	READ failed on GMS.
0086	4307	READ failed on ANSTMD.
0087	4364	Get relationship.

Trace Code	Abort Code	Description
0088	4307	READ failed on ANSTMD.
0089	4304	READ failed on GMS.
0090	0106	READ failed on ANSTMD.
0091	4304	READ failed on GMS.
0092	3051	READ failed on MICM Record 6000.
0093	3051	READ failed on MICM Record 1001.
0094	4305	READ failed on DHT.
0095	4307	READ failed on ANSTMD.
0096	4311	Deposit History Table exceeded.
0097-0098	4340	READ failed on GHT.
0099	4307	READ failed on ANSTMD.
0100	4311	Group History Table exceeded.
0101-0102	3000	Process currency.
0103	3051	READ failed on MICM Record 6023.
0104-0111	3000	Process currency.
0112	3051	READ failed on MICM Record 6013.
0113	4307	READ failed on ANSTW2.
0114	3000	Process currency.
0115	3051	READ failed on MICM Record 6023.
0116	3051	READ failed on MICM Record 6013.
0117	3000	Process currency.
0118	3051	READ failed on MICM Record 6023.
0119	4307	READ failed on ANSTMD.
0120	3051	READ failed on MICM Record 6013.
0121-0122	4307	READ failed on ANSTMD.
0123-0127	3000	Process currency.
0128-0129	4307	WRITE failed on ANSTMD.
0130-0132	4307	REWRITE failed on ANSTMD.
0133-0134	4307	WRITE failed on ANSTW2.
0135-0137	4307	REWRITE failed on ANSTW2.
0138-0151	4364	Invalid return from Table INITIALIZE – ANL886.

Trace Code	Abort Code	Description
0152	4307	READ failed on ANSTMD.
0153	4302	READ failed on DMS.
0154	4307	READ failed on ANSTMD.
0155-0157	4317	READ failed on OSB.
0158-0160	4345	READ failed on PAX.
0161-0163	4345	READ failed on PXR.
0164-0166	4317	READ failed on RCV.
0167	3051	READ failed on MICM Record 2018.
0168	7100	READ failed on SPH.
0169	7101	READ failed on SPH.
0170	7102	READ failed on SPH.
0172-0174	4364	Invalid return from Table INITIALIZE – ANL886.
0178-0183	3000	Process currency.
0184-0201	4364	Invalid return from Table INITIALIZE, FREE, or EXPAND – ANL886.
0202-0203	4340	READ failed on GHT for DHT-CHARGING key.
0400	4000	Invalid return from INITIALIZE FPT Table – ANL886.
0401	4001	Invalid return from FREE FPT Table – ANL886.
0402	4002	Invalid return from EXPAND FPT Table – ANL886.
0410	4010	Invalid return from INITIALIZE PET Table – ANL886.
0411	4011	Invalid return from FREE PET Table – ANL886.
0412	4012	Invalid return from EXPAND PET Table – ANL886.
0420	4020	Invalid return from INITIALIZE PCT Table – ANL886.
0421	4021	Invalid return from FREE PCT Table – ANL886.
0422	4022	Invalid return from EXPAND PCT Table – ANL886.
0430	4030	Invalid return from INITIALIZE PDT Table – ANL886.
0431	4031	Invalid return from FREE PDT Table – ANL886.
0432	4032	Invalid return from EXPAND PDT Table – ANL886.
0440	4040	Invalid return from INITIALIZE STW Table – ANL886.
0441	4041	Invalid return from FREE STW Table – ANL886.
0442	4042	Invalid return from EXPAND STW Table – ANL886.

ANLSTM01 – ANSTM Analysis Balances

Purpose This module creates the data that produces the Analysis Statement balance information.

Panel Programs ANL920 – ANSTM Statement Inquiry /Modeling

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRD	ANTRD-RECORD	Transaction Description Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL920 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	Error loading CIF Table.
0006	4304	READ failed on GMS.
0007	4302	READ failed on DMS.
0008	3051	READ failed on MICM Record 2018.
0009	4307	READ failed on ANSTMD.
0010	3051	READ failed on MICM Record 2001.
0011-0014	4307	READ failed on ANSTMD.
0015	4307	READ failed on ANSTW2.
0016-0017	3051	READ failed on MICM Record 6028.
0018	3051	READ failed on MICM Record 2018.

ANLSTM02 – ANSTM Analysis Service Charge

Purpose This module creates the data that produces the Analysis Statement service charge information.

Panel Programs ANL920 – Statement Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRD	ANTRD-RECORD	Transaction Description Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL920 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	Error loading CIF Table.
0006	4304	READ failed on GMS.
0007	4302	READ failed on DMS.
0008	3051	READ failed on MICM Record 2018.
0009	4307	READ failed on ANSTMD.
0010	3051	READ failed on MICM Record 2001.
0011-0013	4307	READ failed on ANSTMD.
0014	4307	READ failed on ANSTW2.
0015	3051	READ failed on MICM Record 2018.

ANLSTM98 – ANSTM Analysis Transaction

Purpose This module displays originating transactions.

Panel Programs ANL920 – Statement Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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.
Data/Detail Portion	The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL920 panel program).
Data Change Portion	For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 1001.
0005	3051	READ failed on MICM Record 2018.
0006	3051	READ failed on MICM Record 6000.
0007	0106	Error loading CIF Table.
0008	4302	READ failed on DMS.
0009	4304	READ failed on GMS.
0010	4307	READ failed on ANSTMD.
0011	3051	READ failed on MICM Record 2001.
0012	3051	READ failed on MICM Record 2018.
0013	4329	READ failed on TRN.
0014	4342	READ failed on TRD.
0015	3057	READ failed on MICM Record 2018.

ANLSTM99 – ANSTM Analysis Cross-reference

Purpose This module displays the account cross-reference.

Panel Programs ANL920 – Statement Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Information Type Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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.

- Data/Detail Portion The data and detail portions of the message area are according to panel or function being performed. This message area is used by multiple function programs (accessed through the ANL920 panel program).
- Data Change Portion For each field accessed in the record portion of this message area, there is a data change field (-DCHG).

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 1001.
0005	3051	READ failed on MICM Record 6000.
0006	3051	Error loading CIF Table.
0007	4304	READ failed on GMS.
0008	4307	READ failed on ANSTMD.
0009	3051	READ failed on MICM Record 2001.
0010	4364	Get relationship failed.
0011	4307	READ failed on ANSTMD.
0012-0017	4364	Table initialization failed.

ANLTAJ00 – Transaction Adjustment Delete/Inquiry

Purpose This module passes transaction adjustment information for the cycle date entered in the key information. In addition, this module deletes transaction records.

Note: To ensure proper tracking of transaction adjustments, an offset record is created rather than deleting the original record.

Panel Programs ANL109 – Transaction Adjustment Delete/Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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.
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 ANLTAJ00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SLECTKEY from SINST, SADES, SACCOUNT, and SEFFDT).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).
SINST	Selection Institution (input from panel program).
SADES	Selection Application Designation (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SSERVCD	Selection Service Code (input from panel program).
SORIGIN	Selection Origination Code (input from panel program).
SCYCLEMM	Selection Cycle Month (input from panel program).
SCYCLEYY	Selection Cycle Year (input from panel program).
IFSHORT	Short Name (passed by function module).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008-0009	4330	READ failed on TAJ.
0010	3051	READ failed on MICM Record 6000.
0011	4330	READ/UPDATE failed on TAJ.
0012	4330	REWRITE failed on TAJ.
0013	4329	READ/UPDATE failed on TRN.
0018	4329	REWRITE failed on TRN.
0019	4330	WRITE failed on TAJ.
0020	4305	READ/UPDATE failed on DHT.
0021	4305	REWRITE failed on DHT.
0024	4340	READ/UPDATE failed on GHT.
0025	4340	REWRITE failed on GHT.
0026	4305	READ failed on DHT.
0028	4340	READ failed on GHT.
0029	4356	READ/UPDATE failed on DEX.
0030	4356	WRITE failed on DEX.
0031	4357	READ failed on ORG.
0032	4357	Global record not found on ORG.
0033	4357	READ failed on ORG.
0035	4329	READ failed on TRN.

ANLTPR00 – Transaction Cross-reference

Purpose This module is used to display transaction account origination from a group level.

Panel Programs ANL505 – Transaction Cross-reference Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TPR	ANTPR-RECORD	Transaction Pointer Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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.

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 ANLTPR00 function module:

Field	Description
SELECTKEY	Key of record to be selected by function module.
SK-GRPINST	Group Institution Number.
SK-GRPACCT	Group Account Number.
SK-HISTDT	History Date.
SK-KSVC	Group Service Charge Number.
SK-KGPRICEIND	Key Price Indicator.
SK-POSTINST	Posting Institution Number.
SK-POSTAPPL	Posting Application Number.
SK-POSTACCT	Posting Account Number.
SK-KSEQ	Sequence Number.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	4304	READ failed on GMS.

ANLTRN00 – Transaction New

Purpose This module enters up to 13 transactions (services) at one time by application.

Panel Programs ANL100 – High Level Transaction Entry
 ANL101 – Quick Transaction Entry
 ANL105 – Low Level Transaction Entry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20 (MI)	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6020	M20 (AN)	MI6020-RECORD	Analysis Generated Services Parameter Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record

Ext Record Code	Name	Description
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
TRN	ANTRN-RECORD	Transaction Record

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 ANLTRN00 function module:

Field	Description
SADES	Selection Application Designation (input from panel program).
SINST	Selection Institution (input from panel program).
SACCT	Selection Account (input from panel program).
SSERVCD	Service Code (input from panel program).

Field	Description
SORIGIN	Origination.
SADJCD	Adjustment Code.
SCYCCD	Cycle Code.
SCYCLEDT	Cycle Date.
SEFFDT	Effective Date.
SLOCKBOX	Lockbox Number.
DESC1	Transaction Description One.
DESC2	Transaction Description Two.
DESC3	Transaction Description Three.
CCOST	Cost (passed by function module).
LOCKBOX	Lockbox Code.
CCC	Cost Center.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
DECIMAL	Number of Decimal Positions (input from panel program).
SEPARATOR	Separator Character (input from panel program).
DELIMITER	Delimiter Character (input from panel program).
AMTOPT	Amount Option Code (input from panel program).
CRUN-CODE	Currency Code.
STATUS	Account Status.

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	4305	READ failed on DHT.
0002	2033	CICS handle return error.
0003	3051	READ failed on MICM Record 6000.

Trace Code	Abort Code	Description
0004	4301	READ failed on BNK.
0005	3051	Error loading CIF Table.
0006	4305	READ failed on DHT.
0007	4305	READ/UPDATE failed on DHT.
0008	4340	READ failed on GHT.
0009	4329	READ failed on TRN.
0010	4342	READ failed on TRD.
0011	4329	READ/UPDATE failed TRN.
0012	4329	REWRITE failed TRN.
0013	4329	WRITE failed TRN.
0014	4342	WRITE failed TRD.
0015	4330	WRITE failed TAJ.
0016	3051	Application not found in CIF Table.
0017	4302	READ failed on DMS.
0018	4340	READ/UPDATE failed on GHT.
0019	4304	READ failed on GMS.
0020	3051	READ failed on MICM Record 2018.
0030	3051	READ failed on MICM Record 6020.
0032	4329	READ failed on TRN.
0033	4342	READ failed on TRD.
0034	4329	READ/UPDATE failed on TRN.
0035	4329	REWRITE failed on TRN.
0036	4329	WRITE failed on TRN.
0037	4342	WRITE failed on TRD.
0038	4330	WRITE failed on TAJ.
0039	4356	READ/UPDATE failed on DEX.
0040	4356	WRITE failed on DEX.
0041	4354	READ failed on PAW.
0042	4354	READ failed on PAW.
0043	4355	READ failed on PRO.
0044	4329	READ failed on TRN.

Trace Code	Abort Code	Description
0045	4354	WRITE failed on PAW.
0046	4354	WRITE failed on PAW.
0047	4354	READ/UPDATE failed on PAW.
0048	4354	REWRITE failed on PAW.
0049	4355	READ/UPDATE failed on PRO.
0050	4355	REWRITE failed on PRO.
0051	3051	READ failed on MICM Record 2018.
0053	4355	READ failed on PRO.
0054	2000	No common area received.
0055	4357	Global record not found on ORG.
0056	4357	READ failed on ORG.
0057	3051	READ failed on MICM Record 1001.
0058	3051	READ failed on MICM Record 2018.
0059-0060	3000	Error occurred during PROCESS-CURRENCY-CONVERSION.

ANLTRN01 – Transaction Inquiry/Delete

Purpose This module browses and deletes transactions.

Panel Programs ANL500 – Transaction Display One
ANL501 – Transaction Display Two

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
TRN	ANTRN-RECORD	Transaction Record

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 ANLTRN01 function module:

Field	Description
DELETE-DCHG	Delete Change.
DELETE	Delete. Enter D in this field to delete record.
IFSHORT	Short Name (passed by function module).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
CYCLE-DATE	Cycle Date (passed by function module). Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT, CYCLEMO, CYCLEYR, SSRVCODE and SORIGIN).
NXTKEY	Next key to be processed after SELECTKEY (input by function module).
SINST	Selection Institution (input from panel program).
SADES	Selection Application Designation (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SCYCLEMO	Selection Month (input from panel program).

Field	Description
SCYCLEYR	Selection Year (input from panel program).
SSVCCODE	Selection Service Code (input from panel program).
SORIGIN	Selection Origination (input from panel program).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008-0009	4329	READ failed on TRN.
0010	4329	READ/UPDATE failed on TRN.
0011	4329	DELETE failed on TRN.
0012	4305	READ/UPDATE failed on DHT.
0013	4305	REWRITE failed on DHT.
0016	4340	READ/UPDATE failed on GHT.
0017	4340	REWRITE failed on GHT.
0018	3051	READ failed on MICM Record 6000.
0020	4356	READ/UPDATE on DEX.
0021	4356	WRITE failed on DEX.
0022	4305	READ failed on DHT.
0024	4340	READ failed on GHT.
0025	4354	READ/UPDATE failed on PAW.
0026	4354	REWRITE failed on PAW.
0027	4357	READ failed on ORG.

Trace Code	Abort Code	Description
0028	4357	Global record not found on ORG.
0029	4357	READ failed on ORG.

ANLTRN50 – Infopoint IQ Transaction Entry

Purpose This module is used to enter IQ transactions.

Panel Programs None

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6020	M20 (AN)	MI6020-RECORD	Analysis Generated Services Parameter Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
TRN	ANTRN-RECORD	Transaction Record

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 ANLTRN01 function module:

Field	Description
DELETE-DCHG	Delete Change.
DELETE	Delete. Enter D in this field to delete record.
IFSHORT	Short Name (passed by function module).

Field	Description
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
CYCLE-DATE	Cycle Date (passed by function module). Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, SADES, SACCOUNT, CYCLEMO, CYCLEYR, SSRVCODE and SORIGIN).
NXTKEY	Next key to be processed after SELECTKEY (input by function module).
SINST	Selection Institution (input from panel program).
SADES	Selection Application Designation (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SCYCLEMO	Selection Month (input from panel program).
SCYCLEYR	Selection Year (input from panel program).
SSVCCODE	Selection Service Code (input from panel program).
SORIGIN	Selection Origination (input from panel program).

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	4305	READ failed on DHT.
0002	2033	CICS handle return error.
0005	4302	Error loading CIF Table.
0006	4305	READ/UPDATE failed on DHT.
0007	4305	REWRITE failed on DHT.
0008	4340	READ failed on GHT.
0009	4329	READ failed on TRN.
0010	4342	READ failed on TRD.

Trace Code	Abort Code	Description
0011	4329	READ/UPDATE failed on TRN.
0012	4329	REWRITE failed on TRN.
0013	4329	WRITE failed on TRN.
0014	4342	WRITE failed on TRD.
0015	4330	WRITE failed on TAJ.
0016	3051	READ failed on MICM Record 0211.
0017	4302	READ failed on DMS.
0018	4308	READ/UPDATE failed on GHT.
0019	4304	READ failed on GMS.
0030	3051	READ failed on MICM Record 6020.
0032	4329	READ failed on TRN.
0033	4342	READ failed on TRD.
0034	4329	READ/UPDATE failed on TRN.
0035	4329	REWRITE failed on TRN.
0036	4329	WRITE failed on TRN.
0037	4342	WRITE failed on TRD.
0038	4330	WRITE failed on TAJ.
0039	4356	READ/UPDATE failed on DEX.
0040	4356	WRITE failed on DEX.
0041	4354	READ failed on PAW.
0042-0043	4355	READ failed on PRO.
0044	4329	READ failed on TRN.
0045-0046	4354	WRITE failed on PAW.
0047	4354	READ/UPDATE failed on PAW.
0048	4354	REWRITE failed on PAW.
0049	4355	READ/UPDATE failed on PRO.
0050	4355	REWRITE failed on PRO.
0052	4340	REWRITE failed on GHT.
0053	4355	READ failed on PRO.
0054-0056	4357	READ failed on ORG.
0059-0060	3000	Process currency.

ANLTXD00 – Tax Detail Inquiry

Purpose This module displays tax detail information.

Panel Programs ANL560 – Tax Detail

API MICM Records

Record	Ext Record Code	Name	Description
2011	M11	MI2011-RECORD	Online Messages Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TXD	ANTXD-RECORD	Tax Detail Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
TXD	ANTXD-RECORD	Tax Detail Record

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 ANLTXD00 function module:

Field	Description
SINST	Institution.
SAPPLCD	Alpha Application Code.
SACCT	Account Number.
SHISTDT	The date on which to act.
STAXRGN	Tax Region.
SSVCCODE	Service Code.
SSVCCURN	Currency.
SELECTKEY	The key of the record to be selected by the function Module. If blank, built using SINST, APPL, SACCT, SHISTDT, STAXRGN, SSVCCODE, and SSVCCURN.
NXTKEY	Next Key.
HOSTCURN	Host Currency (account).
CHGR-CURN	Charging Currency.
FXRATE-HA	Exchange Rate.
STMTDT	Statement Date.
IFSHORT	Account Short Name.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.

Trace Code	Abort Code	Description
0005	4302	READ failed on GMS.
0006	4302	READ failed on DMS.
0008	4352	READ failed on TXD.
0009	4352	READ NEXT failed on TXD.
0010	3051	READ failed on MICM Record 2018.
0011	3051	READ failed on MICM Record 6023.
0012	3051	Invalid tax region on TXD.
0013	4340	READ failed on GHT.
0014	4305	READ failed on DHT.

ANLTXS00 – Tax Summary Inquiry

Purpose This module displays the following information:

- Taxable and non-taxable service amounts by region
- Tax rate
- Tax total in the host currency and the charging currency of the account
- Total taxable amount (in host currency)
- Five tax amounts by tax region.

Panel Programs ANL550 – Tax Summary

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TXS	ANTXS-RECORD	Tax Summary Record

Message Area Layout

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

Record Portion The following API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
TXS	ANTXS-RECORD	Tax Summary Record

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 ANLTXS00 function module:

Field	Description
SINST	Institution.
APPLCD	Application Code.
SACCT	Account Number.
SHISTDT	History (Cycle) Date.
STAXRGN	Tax Region.
IFSHORT	Account Short Name.
TXEMPT	Tax Exempt Flag.
SELECTKEY	Key of the record to be selected by the function module. If blank, built using SACCT, SAPPL, and SHISTDT.
NXTKEY	The next key in the file.

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 handling return error.
0003	4301	READ failed on BNK.

Trace Code	Abort Code	Description
0004	3051	Error loading CIF Table.
0005	4302	READ failed on GMS.
0006	4302	READ failed on DMS.
0007	4305	READ failed on DHT.
0008	4352	READ failed on TXS.
0009	4352	READ NEXT failed on TXS.
0010	3051	READ failed on MICM Record 2018.
0011	4349	READ failed on GHT.

ANLWSC00 – Waive Service Charge New/Maintenance

Purpose This module creates, maintains, and browses Service Charge Waive Information Records.

Panel Programs ANL924 – Waive Service Charge New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
WSC	ANWSC-RECORD	Service Charge Waive Information Record

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 ANLWSC00 function module:

Field	Description
DELETE	Delete. Enter D in this field to delete record.
DELETE-DCHG	Delete Change.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SREGION, STYPE, SUSERCODE and SACCOUNT).
NXTKEY	Next key to be processed after SELECTKEY (passed by function module).
SREGION	Selection Region (input from panel program).
STYPE	Selection Account Type (input from panel program).
SUSERCODE4	Selection User Code (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SEFFDT	Selection Effective Date (input from panel program).

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	3051	READ failed on MICM Record 6000.
0006	3051	READ failed on MICM Record 6002.
0007	4302	READ failed on DMS.

Trace Code	Abort Code	Description
0009	4304	READ failed on GMS.
0010-0011	4348	READ failed on WSC.
0014	4348	WRITE failed on WSC.
0015	4348	READ/UPDATE failed on WSC.
0016	4348	REWRITE failed on WSC.
0017	4348	DELETE failed on WSC.
0019	4357	READ NEXT failed on ORG.

ANLXRC00 – Cross-reference New/Maintenance

Purpose This module creates, maintains, or browses the Cross-reference Chain and Cross-reference Data Records.

Panel Programs ANL299 – Cross-reference New/Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0237	M60	MI0237-RECORD	Program Interface Parameters Record
2003	M03	MI2003-RECORD	Screen Security Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comments Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
HCD	ANHCD-RECORD	History Change Demographic Record
ORG	ANORG-RECORD	Organization Identification Record
RCV	ANRCV-RECORD	Receivable Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRS	ANXRS-RECORD	Cross-reference Strip Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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 ANLXRC00 function module:

Field	Description
SINST	Selection Institution (input from panel program).
SACCT	Selection Account (input from panel program).
SCYCMM	Cycle Month (input from panel program).
SCYCY	Cycle Year (input from panel program).
IFSHORT	Short Name (passed by function module).
CUR-CODASYL	Current Analysis Date. Format is YYYYMMDD (passed by function module).
CURRHISTDT	Current History Date (passed by function module).
ADES-FILE	Application Designator Key Account One (input from panel).
ADES-R-FILE	Application Designators Key Account Two.
SELECTKEY	Key of record to be selected by function module (if space function module builds SELECTKEY from SINST, ADES-FILE, SACCOUNT, CYCMM and CTCYY).

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	4301	READ failed on BNK.
0004	4357	READ failed on ORG.
0005	3051	Error loading CIF Table.
0006	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008	4302	READ failed on DMS.
0009	4305	READ failed on DHT.
0010	4304	READ failed on GMS.
0011	4340	READ failed on GHT.
0012	4305	READ failed on DHT.
0013	4340	READ failed on GHT.
0014	3051	READ failed on MICM Record 6000.
0015	3051	READ failed on MICM Record 6028.
0016	4303	READ failed on DMS.
0017	4305	READ failed on DHT.
0018	4304	READ failed on GMS.
0019	4340	READ failed on GHT.
0020-0021	3051	READ failed on MICM Record 6028.
0022	4302	READ failed on DMS.
0023	4305	READ failed on DHT.
0024	4304	READ failed on GMS.
0025	4340	READ failed on GHT.
0026	4318	READ failed on XRC.
0027-0028	3051	READ failed on MICM Record 6028.
0029	4322	Table exceeded.

Trace Code	Abort Code	Description
0030	4318	READ failed on XRC.
0031	4320	READ failed on XRL.
0032	4302	READ failed on DMS.
0033	4302	READ/UPDATE failed on DMS.
0034	4302	REWRITE failed on DMS.
0035	4320	READ failed on XRD.
0036	4320	WRITE failed on XRD.
0037	4305	READ failed on DHT.
0038	4305	READ/UPDATE failed on DHT.
0039	4305	REWRITE failed on DHT.
0040	4320	READ/UPDATE failed on XRD.
0041	4320	REWRITE failed on XRD.
0042	4304	READ failed on GMS.
0043	4304	READ/UPDATE failed on GMS.
0044	4304	REWRITE failed on GMS.
0045	4320	READ/UPDATE failed on XRD.
0046	4320	REWRITE failed on XRD.
0047	4340	READ failed on GHT.
0048	4340	READ/UPDATE failed on GHT.
0049	4340	REWRITE failed on GHT.
0050	4320	READ/UPDATE failed on XRD.
0051	4320	REWRITE failed on GHT.
0052	4302	READ failed on DMS.
0053	4302	READ/UPDATE failed on DMS.
0054	4302	REWRITE failed on DMS.
0055	4320	READ/UPDATE failed on XRD.
0056	4320	REWRITE failed on XRD.
0057-0058	4305	READ failed on DHT.
0059	4305	REWRITE failed on DHT.
0060	4320	READ/UPDATE failed on XRD.
0061	4320	REWITE failed on XRD.

Trace Code	Abort Code	Description
0062	4304	READ failed on GMS.
0063	4304	READ/UPDATE failed on GMS.
0064	4304	REWRITE failed on GMS.
0065	4320	READ/UPDATE failed on XRD.
0066	4320	REWRITE failed on XRD.
0067	4340	READ failed on GHT.
0068	4340	READ/UPDATE failed on GHT.
0069	4340	REWRITE failed on GHT.
0070	4320	READ/UPDATE failed on XRD.
0071	4320	REWRITE failed on XRD.
0072	4318	READ/UPDATE failed on XRC.
0073	4318	DELETE failed on XRC.
0074	4320	DELETE failed on XRC.
0075	4318	DELETE failed on XRC.
0076	4318	WRITE failed on XRC.
0077	4320	READ/UPDATE failed on XRD.
0078	4320	DELETE failed on XRD.
0079	4302	READ/UPDATE failed on DMS.
0080	4302	REWRITE failed on DMS.
0081	4305	READ/UPDATE failed on DHT.
0082	4305	REWRITE failed on DHT.
0083	4302	READ/UPDATE failed on DMS.
0084	4302	REWRITE failed on DMS.
0085	4340	READ/UPDATE failed on GHT.
0086	4340	REWRITE failed on GHT.
0087	4304	READ failed on GMS.
0088	4340	READ failed on GHT.
0089-0090	4318	READ failed on XRC.
0091	4320	READ/UPDATE failed on XRD.
0092	4320	DELETE failed on XRD.
0093	4318	READ/UPDATE failed on XRC.

Trace Code	Abort Code	Description
0094	4318	DELETE failed on XRC.
0095	4302	READ failed on DMS.
0096	4302	READ/UPDATE failed on DMS.
0097	4302	REWRITE failed on DMS.
0098	4305	READ/UPDATE failed on DHT.
0099	4305	REWRITE failed on DHT.
0100	4302	READ failed on DMS.
0101	4304	READ/UPDATE failed on GMS.
0102	4304	REWRITE failed on GMS.
0103	4340	READ/UPDATE failed on GHT.
0104	4340	REWRITE failed on GHT.
0105	4304	READ/UPDATE failed on GMS.
0106	4304	REWRITE failed on GMS.
0107	4340	READ/UPDATE failed on GHT.
0108	4340	REWRITE failed on GHT.
0109	4318	READ/UPDATE failed on XRC.
0110	4318	DELETE failed on XRC.
0111	4318	WRITE failed on XRC.
0112	4358	WRITE failed on XRS.
0113	4318	WRITE failed on XRC.
0114	4318	READ failed on XRC.
0115	4318	READ/UPDATE failed on XRC.
0116	4318	DELETE failed on XRC.
0117	4318	READ failed on XRC.
0118	4320	READ/UPDATE failed on XRD.
0119	4320	DELETE failed on XRD.
0120	4320	READ/UPDATE failed on GHT.
0121	4304	READ/UPDATE failed on GMS.
0122	4340	REWRITE failed on GHT.
0123	4304	REWRITE failed on GMS.
0124	4302	READ failed on DMS.

Trace Code	Abort Code	Description
0125	4302	READ/UPDATE failed on DMS.
0126	4302	REWRITE failed on DMS.
0127	4305	READ/UPDATE failed on DHT.
0128	4305	REWRITE failed on DHT.
0129	4304	READ failed on GMS.
0130	4304	READ/UPDATE failed on GMS.
0131	4304	REWRITE failed on GMS.
0132	4340	READ/UPDATE failed on GHT.
0133	4340	REWRITE failed on GHT.
0134	4302	READ failed on DMS.
0135	4305	READ failed on DHT.
0136	4304	READ failed on GMS.
0137	4340	READ failed on GHT.
0138	4302	READ failed on GMS.
0139	4305	READ failed on DHT.
0140	4304	READ failed on GMS.
0141	4340	READ failed on GHT.
0142	4302	READ failed on DMS.
0143	4302	READ/UPDATE failed on DMS.
0144	4302	REWRITE failed on DMS.
0145	4305	READ/UPDATE failed on DHT.
0146	4305	REWRITE failed on DHT.
0147	4304	READ failed on GMS.
0148	4304	READ/UPDATE failed on GMS.
0149	4304	REWRITE failed on GMS.
0150	4340	READ/UPDATE failed on GHT.
0151	4340	REWRITE failed on GHT.
0152	4302	READ failed on DMS.
0153	4302	READ/UPDATE failed on DMS.
0154	4302	REWRITE failed on DMS.
0155	4305	READ/UPDATE failed on DHT.

Trace Code	Abort Code	Description
0156	4305	REWRITE failed on DHT.
0157	4304	READ failed on GMS.
0158	4304	READ/UPDATE failed on GMS.
0159	4304	REWRITE failed on GMS.
0160	4340	READ/UPDATE failed on GHT.
0161	4340	REWRITE failed on GHT.
0164	4304	READ failed on GMS.
0165	4340	READ failed on GHT.
0166	4302	READ failed on DMS.
0167	4305	READ failed on DHT.
0168	4304	READ failed on GMS.
0169	4340	READ failed on GHT.
0170	4304	READ/UPDATE failed on GMS.
0171	4340	READ/UPDATE failed on GHT.
0172	4302	REWRITE failed on GMS.
0173	4340	REWRITE failed on GHT.
0174	4305	READ failed on DHT.
0175	4340	READ failed on GHT.
0176	4304	READ/UPDATE failed on GMS.
0177	4304	REWRITE failed on GMS.
0178	4340	READ/UPDATE failed on GHT.
0179	4340	REWRITE failed on GHT.
0180	4304	READ/UPDATE failed on GMS.
0181	4304	REWRITE failed on GMS.
0182	4340	READ/UPDATE failed on GHT.
0183	4340	REWRITE failed on GHT.
0184	4304	READ failed on GMS.
0185	4304	READ/UPDATE failed on GMS.
0186	4304	REWRITE failed on GMS.
0187	4340	READ failed on GHT.
0188	4340	READ/UPDATE failed on GHT.

Trace Code	Abort Code	Description
0189	4340	REWRITE failed on GHT.
0190-0193	4306	READ failed on DLB.
0194	4306	READ/UPDATE failed on DLB.
0195-0198	4306	READ failed on DLB.
0199-0200	4306	READ/UPDATE failed on DLB.
0201	4306	DELETE failed on DLB.
0202	4306	READ/UPDATE failed on DLB.
0203	4306	DELETE failed on DLB.
0204	4302	READ failed on DMS.
0205	4306	READ failed on DLB.
0206-0208	3000	Process currency.
0209-0210	4306	WRITE failed on DLB.
0211	4306	READ/UPDATE failed on DLB.
0212	4306	DELETE failed on DLB.
0213	4306	READ/UPDATE failed on DLB.
0214	4306	DELETE failed on DLB.
0215	4305	READ failed on DHT.
0216	4302	READ failed on DMS.
0217	4306	READ failed on DLB.
0218-0220	3000	Process currency.
0221-0222	4306	WRITE failed on DLB.
0223-0224	6145	Cross institution security.
0225-0230	4364	Table initial.
0231	4321	READ failed on HCD.
0232	4321	WRITE failed on HCD.
0233-0236	3000	Process currency.
0237	4317	READ/UPDATE failed on RCV.
0238-0255	3000	Process currency.
0256	4317	REWRITE failed on RCV.
0257	4304	READ/UPDATE failed on GMS.
0258	4304	READ failed on GMS.

ANLXRC01 – Relationship Maintenance

Purpose This module updates the selected field(s) within the current period across all related accounts.

Panel Programs ANL298 – Relationship Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0242	M85	MI0242-RECORD	Officer Identification Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2003	M03	MI2003-RECORD	Screen Security Record
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record

Ext Record Code	Name	Description
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Message Area Layout

Controls Portion	These fields are detailed at the beginning of this Function Module section. All controls portion fields are identical across all Infopoint applications.
Record Portion	None
Data Change Portion	For each new field as well the SACCT field (key group account) 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 ANLXRC01 function module:

Field	Description
SINST	Institution onto which the operator is signed.
SACCT	Highest Group account number of relationship being updated.
NBRACCTS	Number of accounts processed in relationship.
NBRUPDTS	Number of accounts updated in relationship.
DATE-DELIM	Operator's character used in date display.
DATE-SEQ	Operator's date format indicator.
ERRMSGs	Sixteen occurrences of error data.
ERRMSG	One of sixteen occurrences of error data.
EINST	Institution for which error occurred.
EACCT	Account for which error occurred.
EAPPL	Application for which error occurred.
EMSG	Error description related to EINST, EACCT, and EAPPL.

Select Portion	None
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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	3051	READ failed on MICM Record 0211.
0003	2033	CICS handle return error.
0004	4301	READ failed on BNK.
0005	4357	READ failed on ORG.
0006	4304	READ failed on GMS.
0007-0008	3051	READ failed on MICM Record 2001.
0009	3051	READ failed on MICM Record 0248.
0010	3051	READ failed on MICM Record 6002.
0011	3051	READ failed on MICM Record 6013.
0012	3051	READ failed on MICM Record 6015.
0013	3051	READ failed on MICM Record 6013.
0014-0015	3051	READ failed on MICM Record 0242.
0016	4302	READ failed on DMS.
0017	3051	READ failed on MICM Record 2001.
0018	3051	READ failed on MICM Record 0248.
0019	3051	READ failed on MICM Record 6002.
0020	3051	READ failed on MICM Record 6013.
0021	3051	READ failed on MICM Record 6015.
0022	3051	READ failed on MICM Record 6013.
0023-0024	3051	READ failed on MICM Record 0242.
0025	4304	READ failed on GMS.
0026	3051	READ failed on MICM Record 2001.
0027	3051	READ failed on MICM Record 0248.
0028	3051	READ failed on MICM Record 6002.
0029	3051	READ failed on MICM Record 6013.

Trace Code	Abort Code	Description
0030	3051	READ failed on MICM Record 6015
0031	3051	READ failed on MICM Record 6013.
0032-0033	3051	READ failed on MICM Record 0242.
0034	4304	READ failed on GMS.
0035	4319	WRITE failed on PAX.
0036	4304	READ/UPDATE failed on GMS.
0037	4304	REWRITE failed on GMS.
0038	4302	READ failed on DMS.
0039	4319	WRITE failed on PAX.
0040	4302	READ/UPDATE failed on DMS.
0041	3051	READ failed on MICM Record 2001.
0042	3051	READ failed on MICM Record 6002.
0043	4302	REWRITE failed on DMS.
0044	4304	READ failed on GMS.
0045	4319	WRITE failed on PAX.
0046	4304	READ/UPDATE failed on GMS.
0047	3051	READ failed on MICM Record 2001.
0048	3051	READ failed on MICM Record 6002.
0049	4304	REWRITE failed on GMS.
0050	3051	READ failed on MICM Record 6000.
0051	3051	READ failed on MICM Record 1001.
0052-0053	6145	Cross institution.
0054-0059	4364	Table initial.
0060	4306	READ/UPDATE failed on DLB.
0061	4306	REWRITE failed on DLB.
0062	4306	WRITE failed on DLB.
0063	7100	READ failed on SPH.
0064	7101	READ failed on SPH.
0065	7102	READ failed on SPH.
0066	3051	Error loading CIF Table.

ANLXRC02 – Relationship History Maintenance

Purpose This module updates the selected field(s) within a historical period across all related accounts.

Panel Programs ANL297 – Relationship History Maintenance

API MICM Records

Record	Ext Record Code	Name	Description
0242	M85	MI0242-RECORD	Officer Identification Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2003	M03	MI2003-RECORD	Screen Security Record
2005	M05	MI2005-RECORD	Cycles Information Record
2011	M11	MI2011-RECORD	Online and Batch Messages Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record

Ext Record Code	Name	Description
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Message Area Layout

Controls Portion	These fields are detailed at the beginning of this Function Module section. All controls portion fields are identical across all Infopoint applications.
Record Portion	None
Data Change Portion	For each new field as well the SACCT field (key group account) 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 ANLXRC02 function module:

Field	Description
SINST	Institution onto which the operator is signed.
SACCT	Highest Group account number of relationship being updated.
SCYCLE	Selection Cycle.
NBRACCTS	Number of accounts processed in relationship.
NBRUPDTS	Number of accounts updated in relationship.
ERRMSGs	Sixteen occurrences of error data.
EINST	Institution for which error occurred.
EACCT	Account for which error occurred.
EAPPL	Application for which error occurred.
EMSG	Error description related to EINST, EACCT, and EAPPL.

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	3051	Error loading CIF Table.
0003	2033	CICS handle return error.
0004	4301	READ failed on BNK.
0005	4357	READ failed on ORG.
0006	4304	READ failed on GMS.
0007	4340	READ failed on GHT.
0008-0009	3051	READ failed on MICM Record 2001.
0010	3051	READ failed on MICM Record 0248.
0011	3051	READ failed on MICM Record 6002.
0012	3051	READ failed on MICM Record 6013.
0013	3051	READ failed on MICM Record 6015.
0014	3051	READ failed on MICM Record 6013.
0015-0016	3051	READ failed on MICM Record 0242.
0017	4302	READ failed on DMS.
0018	4305	READ failed on DHT.
0019	3051	READ failed on MICM Record 2001.
0020	3051	READ failed on MICM Record 0248.
0021	3051	READ failed on MICM Record 6002.
0022	3051	READ failed on MICM Record 6013.
0023	3051	READ failed on MICM Record 6015.
0024	3051	READ failed on MICM Record 6013.
0025-0026	3051	READ failed on MICM Record 0242.
0027	4304	READ failed on GMS.

Trace Code	Abort Code	Description
0028	4304	READ failed on GHT.
0029	3051	READ failed on MICM Record 2001.
0030	3051	READ failed on MICM Record 0248.
0031	3051	READ failed on MICM Record 6002.
0032	3051	READ failed on MICM Record 6013.
0033	3051	READ failed on MICM Record 6015
0034	3051	READ failed on MICM Record 6013.
0035-0036	3051	READ failed on MICM Record 0242.
0037	4304	READ failed on GMS.
0038	4340	READ failed on GHT.
0039	4319	WRITE failed on PAX.
0040	4340	READ/UPDATE failed on GHT.
0041	4340	REWRITE failed on GHT.
0042	4302	READ failed on DMS.
0043	4305	READ failed on DHT.
0044	4319	WRITE failed on PAX.
0045	4305	READ/UPDATE failed on DHT.
0046	3051	READ failed on MICM Record 2001.
0047	3051	READ failed on MICM Record 6002.
0048	4305	REWRITE failed on DHT.
0049	4304	READ failed on GMS.
0050	4340	READ failed on GHT.
0055	4319	WRITE failed on PAX.
0056	4340	READ/UPDATE failed on GHT.
0057	3051	READ failed on MICM Record 2001.
0058	3051	READ failed on MICM Record 6002.
0059	4340	REWRITE failed on GHT.
0060	3051	READ failed on MICM Record 6000.
0061	3051	READ failed on MICM Record 1001.
0062-0063	6145	Cross institution security.
0064-0069	4364	Table initial.

Trace Code	Abort Code	Description
0070	4306	READ/UPDATE failed on DLB.
0071	4306	REWRITE failed on DLB.
0072	4306	WRITE failed on DLB.
0073	7100	READ failed on SPH.
0074	7101	READ failed on SPH.
0075	7102	READ failed on SPH.
0076	3051	Error loading CIF Table.

ANLXRC03 – Relationship Display

Purpose This module is used to display a selected relationship.

Panel Programs ANL295 – Relationship Display

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Message Area Layout

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

Record Portion None

Data Change Portion For each new field as well the SACCT field (key group account) 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 ANLXRC03 function module:

Field	Description
SINST	Selected Institution.
SAPPL	Selected Application.

Field	Description
SACCT	Selected Account.
SCYCLE	Selected Cycle.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	3051	READ failed on XRD.
0006	4305	READ failed on DHT.
0007	4340	READ failed on GHT.
0008	4302	READ failed on DMS.
0009	4304	Get relationship.
0010	4305	READ failed on DHT.
0011	4340	READ failed on GHT.
0012	4302	READ failed on DMS.
0013-0014	6145	Cross Institution Security.
0015-0020	4364	Table initial.

ANLXRL00 – Statement Copies New/Maintenance

Purpose This module creates and maintains relational records.

Panel Programs ANL280 – Statement Copies

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0980	M98	MI0980-RECORD	Customer Name and Address Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
XRL	ANXRL-RECORD	Relational Customers Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
XRL	ANXRL-RECORD	Relational Customers Record

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 ANLXRL00 function module:

Field	Description
SINST	Selection Institution (passed from panel program).
SACCOUNT	Selection Account (passed from panel program).
IFSHORT	Short Name (passed by function module).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0007	4304	READ failed on GMS.
0008	4344	READ failed on XRL.
0009	3051	READ failed on MICM Record 0980.
0010	4344	WRITE failed on XRL.
0011	4344	READ/UPDATE failed on XRL.
0012	4344	DELETE failed on XRL.
0013	4344	WRITE failed on XRL.
0014	4302	READ/UPDATE failed on DMS.
0015	4302	REWRITE failed on DMS.
0018	4304	READ/UPDATE failed on GMS.
0019	4304	REWRITE failed on GMS.

Trace Code	Abort Code	Description
0020	4357	READ failed on ORG.
0021	4357	Global record not found on ORG.
0022	4357	READ failed on ORG.

ANLXXX01 – Service Charge Inquiry

Purpose This module browses service charge information.

Panel Programs ANL902 – Balance History Inquiry One
 ANL903 – Balance History Inquiry Two
 ANL911 – Service Charge Inquiry One
 ANL913 – Service Charge Inquiry Two
 ANL915 – Service Charge Inquiry Three

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01	MI6001-RECORD	Analysis Application Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

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	None
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 ANLXXX01 function module:

Field	Description
SINST	Selection Institution (input from panel program).
SAPPL	Selection Application (input from panel program).
SACCOUNT	Selection Account (input from panel program).
SHORT	Short Name (passed by function module).
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.
SCCALC	Service Charge Calculation.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	3051	READ failed on MCIM Record 6000.
0006	4304	READ failed on GMS.
0007	4340	READ failed on GHT.
0008	4302	READ failed on DMS.
0009	4305	READ failed on DHT.

ANLXXX02 – History Reprint

Purpose This module requests reprints of any historical cycle that exists on record.
Note: The reprints do not include yearly history records or any history created that has not been through lead night.

Panel Programs ANL499 – History Reprint Request

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
6000	M00	MI6000-RECORD	Account Analysis Institution Parameters and Options Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record

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 None

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 ANLXXX02 function module:

Field	Description
ADES	Selection Application Designation (input from panel program).
YEAR	Current Year Processing (passed from function module).
ADES-FILE	Selection Application Designation File (input from panel program).
SINST	Selection Institution (input from panel program).
SACCT	Selection Account (input from panel program).
SELYR	Selection Year (input from panel program).
NEXTYR	Next Year to be processed after SELYR (input by function module).
IFSHORT	Short Name.
CUR-CODASYL	Current Analysis Date (passed by function module). Format is YYYYMMDD.

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	4301	READ failed on BNK.
0004	3051	Error loading CIF Table.
0005	4302	READ failed on DMS.
0006	4305	READ failed on DHT.
0009	4304	READ failed on GMS.
0010	4340	READ failed on GHT.
0011	4305	READ failed on DHT.
0013	4340	WRITE failed on GHT.

Trace Code	Abort Code	Description
0014	4305	READ/UPDATE failed on DHT.
0015	4305	REWRITE failed on DHT.
0018	4340	READ/UPDATE failed on GHT.
0019	4340	REWRITE failed on GHT.
0020	3051	READ failed on MICM Record 6000.
0021	4357	READ failed on ORG.
0022	4357	Global record not found on ORG.
0023	4357	READ failed on ORG.

ANLXXX04 – Pricing Forecast

Purpose This module is used to forecast pricing for a selected account and service.

Panel Programs ANL936 – Pricing Forecast

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record

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 None

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 ANLXXX04 function module:

Field	Description
SK-INST	Selected Institution.
SK-APPL	Selected Application.
SK-ACCT	Selected Account.
SK-SVCCD	Selected Service Code.
SK-ORIGIN	Selected Origin.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	Error loading CIF Table.
0006	4302	READ failed on DMS.
0007-0008	4304	READ failed on GMS.
0009	7100	READ failed on SPH.
0010	7101	READ failed on SPH.
0011	7102	READ failed on SPH.

ANLXXX05 – Transaction Pricing Inquiry

Purpose This module displays how stated services are priced.

Panel Programs ANL933 – Pricing Inquiry

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0980	M98	MI0980-RECORD	Customer Name and Address Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Ext Record Code	Name	Description
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TPR	ANTPR-RECORD	Transaction Pointer Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

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 API records 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 API Records chapter of *Reference Guide 3*.

Ext Record Code	Name	Description
XRL	ANXRL-RECORD	Relational Customers Record

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 ANLXXX05 function module:

Field	Description
SINST	Selected Institution.
SAPPL	Selected Application.
SACCT	Selected Account.
SSVC	Selected Service Code.
SORG	Selected Origin.
SCYCLE	Selected Cycle.

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	4301	READ failed on BNK.
0004	3051	READ failed on MICM Record 6000.
0005	3051	Error loading CIF Table.
0006	4304	READ failed on GMS.
0007	4359	READ failed on TPR.
0008	4329	READ failed on TRN.
0009-0010	3000	Process currency.
0011-0016	4364	Table initial.
0017	7100	READ failed on SPH.
0018	7101	READ failed on SPH.
0019	7102	READ failed on SPH.

User Exits

The following information is given for each user exit:

Purpose	Purpose of the user exit.
API MICM Records	Shows any MICM records accessed by the user exit.
API Application Records	Lists the API records accessed by the user exit.
Abort Information	Lists the trace codes and abort codes and provides a description of the problem encountered.

ANL060 – Account-to-charge Verify

Purpose

This user exit is called by ANLDMS00 and ANLGMS00 to verify an account-to-charge number. The following edits are performed:

1. Verifies a MICM 0211 Record exists for the account-to-charge application.
2. Verifies a MICM 2006 Record exists if the account-to-charge application's MICM 0211 Record has an account number verification value specified.
3. Executes established check-digit processing against the account-to-charge number based on the MICM Record 2006 formulas specified.
4. Returns an account-to-charge verification status to the calling program.

ANL060 can be modified (CHRG-ACCT-USER-EXIT SECTION) to include custom code for account-to-charge verification. Further documentation that describes how to enable the user exit logic and/or disable the standard account-to-charge verification logic is available in the program.

Note: If the User Exit section of ANL060 is enabled, the current Deposit or Group Master Record being processed by the calling program is also available for reference by the custom code.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2006	M06	MI2006-RECORD	Account Verification Formulas Record

API Application
Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Abort Information None

Return Information The following Function Codes are returned to the calling module.

Function Code	Description
E	Account-to-charge verification error encountered (refer to Trace Code).
F	Account-to-charge number failed check-digit verification.
N	Account-to-charge number not found or invalid (from user exit).
P	Account-to-charge number passed check-digit verification.

If an account-to-charge verification error is encountered (Function Code E), the following trace codes are also returned to the calling module.

Trace Code	Description
0001	MICM Record 0211 data not found on MICM 0211 CIF Table.
0002	MICM Record 0211 not found (based on account-to-charge institution and account-to-charge application).
0003	MICM Record 2006 not found.
0004	MICM Record 2006 not found for specified MICM 2006 Next Routine.
0101	Reserved for user exit custom code – User Exit Error 1.
0102	Reserved for user exit custom code – User Exit Error 2.
0103	Reserved for user exit custom code – User Exit Error 3.

Note: If trace codes 0101 – 0103 are issued by custom code, the following, MICM Record 2011 error messages (located in ANMSG51) can be changed either online or in batch to reflect a user-defined error message.

- 069906
- 069907
- 069908

ANO6002 – Cross-edit MICM Record 6002

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6002 (Analysis Account Type Defaults).

ANO6012 – Cross-edit MICM Record 6012

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6012. The following edits are performed:

1. If the Currency Code has not been entered, it defaults from MICM Record 1001 (Institution Information).
2. MICM Record 6002 (Analysis Account Type Defaults) is read based on the MICM Record 6012 key information to validate the Account Type.
3. The following verification is performed for all base and alternate rates:
 - a. The Ceiling and Floor fields are compared to ensure the Ceiling value is greater than the Floor value.
 - b. If the Factor field contains a value other than 'N' (not used) or 'F' (use the fixed variance amount), the Base code is checked to ensure it contains a value.
 - c. MICM Record 6011 (Analysis Base Rate Parameters) is read to ensure the Base code on MICM Record 6012 is valid.
4. The Balance fields are checked to ensure each balance is greater than the preceding balance.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	3051	READ failed on MICM Record 1001.
0002	3051	READ failed on MICM Record 6000.
0003	3051	READ failed on MICM Record 6002.
0005	3051	READ failed on BNK.

ANO6013 – Cross-edit MICM Record 6013

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6013 (Analysis Deposit/Group Miscellaneous Parameters). The following edits are performed:

1. If the MICM Record 6013 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is 'N' (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6013 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If the MICM Record 6013 Currency Code is spaces and the MICM Record 1001 Use Currency Code is 'Y' (multi-currency), an error occurs.
3. The MICM Record 6013 Currency Code is validated against MICM Record 2018 (Currency Information).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 2018.

ANO6015 – Cross-edit MICM Record 6015

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6015 (Analysis Service Pricing Parameters). The following edits are performed:

1. If the MICM Record 6015 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is 'N' (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6015 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If the MICM Record 6015 Currency Code is spaces and the MICM Record 1001 Use Currency Code is 'Y' (multi-currency), an error occurs.
3. The MICM Record 6015 Currency Code is validated against MICM Record 2018 (Currency Information).
4. MICM Record 6086 is read and its Service Description is compared to the 6015 Service Description. If they differ, the 6015 is updated with the 6086 description. If a 6086 Record is not found, the 6015 Service Description is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6086.
0003	3058	READ failed on MICM Record 2018.

ANO6016 – Cross-edit MICM Record 6016

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6016 (Analysis Exception Service Pricing Parameters). The following edits are performed:

1. If the MICM Record 6016 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is 'N' (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6016 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If MICM Record 6016 Currency Code is spaces and the MICM Record 1001 Use Currency Code is 'Y' (multi-currency), an error occurs.
3. The MICM Record 6016 Currency Code is validated against MICM Record 2018 (Currency Information).
4. MICM Record 6086 is read and its Service Description is compared to the 6016 Service Description. If they differ, the 6016 is updated with the 6086 description. If a 6086 Record is not found, the 6016 Service Description is changed to spaces.
5. The Exception Pricing Code on the account's master record is updated to 'S' to indicate the account has a valid Exception Pricing Record (EXC).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master 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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6086.
0003	4302	READ/UPDATE failed on DMS.
0004	4302	REWRITE failed on DMS.
0007	4304	READ/UPDATE failed on GMS.
0008	4304	REWRITE failed on GMS.
0009	3058	BROWSE failed on MICM Record 6016.
0010	3051	READ failed on MICM Record 2018.

ANO6017 – Cross-edit MICM Record 6017

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6017 (Analysis Consolidated Services). The following edits are performed:

1. MICM Record 1001 (Institution Information) is read to obtain the Language Code used when reading MICM Record 6086 (Analysis Service Code Descriptions).
2. MICM Record 6086 is read based on the MICM Record 6017 key information as well as the Language Code obtained from MICM Record 1001.

The 6086 Record is actually read twice. First using the Service Code from the 6017 Record key and again using the Consolidated Service Code from the data portion of the 6017 Record. If a corresponding description differs, the 6017 description is replaced with the 6086 description. If a MICM 6086 is not found, the description on the 6017 Record is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002-0003	3058	READ failed on MICM Record 6086.

ANO6018 – Cross-edit MICM Record 6018

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6018 (Analysis Past Due Fee Parameters). The following edits are performed:

1. MICM Record 6002 (Analysis Account Type Defaults) is read based on the MICM Record 6018 key information to validate the Account Type.
2. MICM Record 6011 (Base Rate Parameters) is read if the Base Code on the 6018 Record contains a value.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6000.
0003	3058	READ failed on MICM Record 6002.
0004	3058	READ failed on MICM Record 6011.

ANO6020 – Cross-edit MICM Record 6020

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6020 (Analysis Generated Services Parameter). The following edits are performed:

1. MICM Record 1001 (Institution Information) is read to obtain the Language Code used when reading MICM Record 6086 (Analysis Service Code Descriptions).
2. MICM Record 6086 is read based on the MICM Record 6020 key information as well as the Language Code obtained from MICM Record 1001.

The 6086 Record is actually read twice. First using the Service Code from the 6020 Record key and again using the Generated Service Code from the data portion of the 6020 Record. If a corresponding description differs, the 6020 description is replaced with the 6086 description. If a MICM 6086 is not found, the description on the 6020 Record is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002-0003	3058	READ failed on MICM Record 6086.

ANO6023 – Cross-edit MICM Record 6023

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6023 (Analysis Tax Region Parameters). The following edits are performed:

- MICM Record 2018 (Currency Information) is read to validate the Host Currency on the 6023 Record.

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records None

Abort Information None

ANO6024 – Cross-edit MICM Record 6024

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6024 (Analysis Taxable Service Parameter). The following edits are performed:

- MICM Record 6023 (Analysis Tax Region Parameters) is read to validate the Tax Region on the 6024 Record.

API MICM Records

Record	Ext Record Code	Name	Description
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record

API Application Records None

Abort Information None

ANO6025 – Cross-edit MICM Record 6025

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6025 (Analysis Branch Defaults).

ANO6031 – Cross-edit MICM Record 6031

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6031 (Analysis Profile Default Parameter).

ANO6032 – Cross-edit MICM Record 6032

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6032 (Analysis Profile Parameter).

ANO6070 – Cross-edit MICM Record 6070

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6070 (Analysis GL Interface Control).

ANO6071 – Cross-edit MICM Record 6071

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6071 (Analysis GL Interface Key Control).

ANO6073 – Cross-edit MICM Record 6073

This user exit is called by MICM program MIL710 to cross-edit MICM Record 6073 (Analysis GL Tax Detail Parameters). The following edits are performed:

- MICM Record 6023 (Analysis Tax Region Parameters) is read to validate the Tax Region on the 6073 Record.

API MICM Records

Record	Ext Record Code	Name	Description
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records None

Abort Information None

Merge Map Driver Programs

The section provides the following information for each merge map driver program.

Purpose	Purpose of the driver.
Online Information	Lists SS file information.
Work Unit	Lists the name and description of the work unit.
API Records Input	Lists the input API records.
API Records Processed	Lists the processed API records.
Abort Information	Lists the trace codes and abort codes and provides a description of the problem encountered.

Group Profiles

Group Profiles provide data for accounts related to the Group. The driver programs, work units, key panels, and records accessed for Group Profiles are listed in the table below.

Driver Program	Work Unit	Key Panel	Records Accessed
ANL510	ANGPRO1	ANGP1DRV	DHT, DMS, GHT, GMS, TRN
ANL511	ANGPRO2	ANGP2DRV	DHT, DMS, GHT, GMS
ANL512	ANGPRO3	ANGP3DRV	DMS, GMS, EXC, M12
ANL513	ANGPRO4	ANGP4DRV	DHT, DMS, GHT, GMS, M16

Account-specific, Multiple-record Displays

Multiple-record displays provide account-specific data for one or more records. The driver programs, work units, key panels, and records accessed these displays are listed in the table below.

Driver Program	Work Unit	Key Panel	Records Accessed
ANL514	ANRCVDIS	ANRCVKEY	DMS, DHT, GMS, GHT, OSB, IXR, PXR, RCV
ANL515	ANACTDIS		BAJ, DMS, EXC, GMS, PRO, PAW, RET
	ANACHDIS		BAJ, DHT, GHT
	ANBAJDIS		BAJ
	ANCMPDIS		DMS, DHT, GMS, GHT
	ANPRIDIS		DHT, DMS, GHT, GMS, TRN, M16, M17, M20
	ANTRNDIS		TRN
	M6016DIS		M16

ANL510 – Group Profile 1 Merge Map Driver

Purpose This driver creates the key data needed to display transactions for accounts within a Group relationship.

Online Information

Key Panel SS File: ANV510K
 Help Panel SS File: ANV510H

Work Units ANGPR01 – Transaction by Account

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRN	ANTRN-RECORD	Transaction 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	4301	READ failed on BNK.
0003	4304	READ failed on GMS.
0006	4329	READ failed on TRN.

Trace Code	Abort Code	Description
0007	4329	READ NEXT failed on TRN.
0008	3068	READ failed on TSQ.
0009	3069	WRITE failed on TSQ.
0010	0109	REWRITE failed on TSQ.
0011	3051	READ failed on MICM Record MMP.
0012	3051	MICM MMP table size exceeded.
0013	3051	MICM Record MMP not found.
0022	3069	WRITE failed on TSQ.
0023	0109	REWRITE failed on TSQ.

ANL511 – Group Profile 2 Merge Map Driver

Purpose This driver creates key data needed to display history for accounts within a Group relationship.

Online Information

Key Panel SS File: ANV511K
 Help Panel SS File: ANV511H

Work Units

ANGPR02 – History by Account

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
GMS	ANGMS-RECORD	Group Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data 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	4301	READ failed on BNK.
0003	4304	READ failed on GMS.
0006	3068	READ failed on TSQ.
0007	3069	WRITE failed on TSQ.

Trace Code	Abort Code	Description
0008	0109	REWRITE failed on TSQ.
0009	3051	READ failed on MICM Record MMP.
0010	3051	MICM Record MMP table size exceeded.
0011	3051	MICM Record MMP not found.
0012	4364	Initialization of Relationship Table failed.
0013	4364	Initialization of Ultimate Group Table failed.
0014	4364	Initialization of 1Up Table failed.
0015	4364	Initialization of 1Down Table failed.
0016	4364	Initialization of Up Table failed.
0017	4364	Initialization of Down Table failed.

ANL512 – Group Profile 3 Merge Map Driver

Purpose This driver creates the key data needed to display rate information for accounts within a Group relationship.

Online Information

Key Panel SS File: ANV512K
 Help Panel SS File: ANV512H

Work Units

ANGPR03 – Rate Information by Account

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GMS	ANGMS-RECORD	Group Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data 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	4301	READ failed on BNK.
0003	4304	READ failed on GMS.
0006	4302	READ failed on DMS.
0007	4308	READ failed on EXC.
0008	3051	READ failed on MICM Record 6012.
0009	3051	READ failed on MICM Record 6000.
0010	3068	READ failed on TSQ.
0011	3069	WRITE failed on TSQ.
0012	0109	REWRITE failed on TSQ
0013	4304	READ failed on GMS.
0014	3051	READ failed on MICM Record 0301.
0016	4308	READ failed on EXC.
0017	3051	READ failed on MICM Record MMP.
0018	3051	MICM MMP table size exceeded.
0019	3051	MICM Record MMP not found.
0024	4364	Initialization of Relationship Table failed.
0025	4364	Initialization of Ultimate Group Table failed.
0026	4364	Initialization of 1Up Table failed.
0027	4364	Initialization of 1Down Table failed.
0028	4364	Initialization of Up Table failed.
0029	4364	Initialization of Down Table failed.
5001 - 5008	4364	GET XRC Relationship Table errors.
5009 - 5012	4364	GET XRD Relationship Table errors.
5013	4364	PREVIOUS LEVEL section failed.
5014	4364	E request failed on ANW886 1UP TABLE EXPAND.
5015	4364	E request failed on ANW886 1DOWN TABLE EXPAND.
5016	4364	E request failed on ANW886 RELATIONSHIP TABLE EXPAND.
5017	4364	E request failed on ANW886 ULTIMATE GROUP TABLE EXPAND.

Trace Code	Abort Code	Description
5018	4364	G request failed on ANW886 UP TABLE INITIALIZE.
5019	4364	F request failed on ANW886 UP TABLE FREE.
5020	4364	E request failed on ANW886 UP TABLE EXPAND.
5021	4364	G request failed on ANW886 DOWN TABLE INITIALIZE.
5022	4364	F request failed on ANW886 DOWN TABLE FREE.
5023	4364	E request failed on ANW886 DOWN TABLE EXPAND.

ANL513 – Group Profile 4 Merge Map Driver

Purpose This driver creates key data required to display pricing information for accounts within a Group relationship.

Online Information

Key Panel SS File: ANV513K
Help Panel SS File: ANV513H

Work Units

ANGPR04 – Pricing Information by Account

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
M00	MI6000-RECORD	Analysis Institution Parameters Record
M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
M32	MI6032-RECORD	Profile Processing Parameter Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data 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	4301	READ failed on BNK.
0003	4304	READ failed on GMS.
0006	3051	READ failed on MICM Record 6016.
0007	3051	READ NEXT failed on MICM Record 6016.
0008	3068	READ failed on TSQ.
0009	3069	WRITE failed on TSQ.
0010	0109	REWRITE failed on TSQ.
0011	4304	READ failed on GMS.
0012	4340	READ failed on GHT.
0013	4302	READ failed on DMS.
0014	4305	READ failed on DHT.
0017	3051	READ failed on MICM Record 6016.
0018	3051	READ NEXT failed on MICM Record 6016.
0019	3051	MICM 6016 table size exceeded.
0020	3051	READ failed on MICM Record MMP.
0021	3051	MICM MMP table size exceeded.
0022	3051	MICM Record MMP not found.
0023	3051	READ failed on MICM Record 6000.
0024	4364	Relationship Table initialization failed.
0025	4364	Ultimate Group Table initialization failed.
0026	4364	1-up Table initialization failed.
0027	4364	1-down Table initialization failed.

ANL514 – Account Receivable Merge Map Driver

Purpose This driver creates key data by accounts for receivables.

Online Information

Key Panel SS File: ANV514K
Help Panel SS File: ANV514H

Work Units ANRCVDIS – Account Receivable Information Display

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivable 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	4301	READ failed on BNK.
0003	4304	READ failed on GMS.
0004	4317	READ failed on RCV.
0005	4343	READ failed on OSB.
0006	4343	READ failed on OSB.
0012	4351	READ failed on IXR.
0013	4351	READ NEXT failed on IXR.
0014	4345	READ failed on PXR.
0015	4345	READ NEXT failed on PXR.
0016	3068	READ failed on TSQ.
0017	3069	WRITE failed on TSQ.
0018	0109	REWRITE failed on TSQ.
0019	3051	READ failed on MICM Record 0211.
0020	4340	READ failed on GHT.
0021	4302	READ failed on DMS.
0022	4305	READ failed on DHT.
0025	3051	READ failed on MICM Record MMP.
0026	3051	MICM MMP table size exceeded.
0027	3051	MICM Record MMP not found.

ANL515 – Account Information Merge Map Driver

Purpose This driver passes account-related Analysis records by key data selected and merge map setup.

Online Information

Key Panel SS File: ANV515K
Help Panel SS File: ANV515H

Work Units

ANACTDIS – Account Information Display
ANACHDIS – History Information Display
ANBAJDIS – Account Balance Adjustment Display
ANCMPPDIS – Account Current/History Compare Display
ANPRIDIS – Account Pricing Information Display
ANTRNDIS – Account Transaction Display
M6016DIS – Exception Pricing Information Display

API Records Input

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
BNK	BNK	ANBNK-RECORD	Institution Control Record
COM	COM	ANCOM-RECORD	Customer Comments Record
MMP	MMP	MIMMP-RECORD	Merge Mapping Information Record

API Records Processed

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Ext Record Code	Name	Description
M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
M17	MI6017-RECORD	Analysis Consolidated Services Record
M20	MI6020-RECORD	Analysis Generated Services Parameter Record
M32	MI6032-RECORD	Profile Processing Parameter Record
M61	MI6061-RECORD	Analysis TMA EDI Account Information Record
M64	MI6064-RECORD	Analysis Interchange Receiver Parameters Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
RET	ANRET-RECORD	Recurring Transaction Record
TRN	ANTRN-RECORD	Transaction 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	4301	READ failed on BNK.
0003	3051	READ failed on MICM Record MMP.
0004	3051	MICM MMP table size exceeded.
0005	3051	MICM Record MMP not found.
0006	3051	READ failed on MICM Record 0211.
0007	4302/4304	READ failed on DMS/GMS.
0008	4305/4340	READ failed on DHT/GHT.
0009	3051	READ failed on MICM Record 6016.
0010	3051	READ failed on MICM Record 6017.
0011	3051	READ failed on MICM Record 6020.
0012	3051	READ failed on MICM Record 6061.

Trace Code	Abort Code	Description
0013	3051	READ failed on MICM Record 6064.
0014	4314	READ failed on RET.
0015	4329	READ failed on TRN.
0017	4350	READ failed on BAJ.
0018	4347	READ failed on EXC.
0019	4355	READ failed on PRO.
0020	3051	READ failed on MICM Record 6016.
0021	3068	READ failed on TSQ.
0022	3069	WRITE failed on TSQ.
0023	0109	REWRITE failed on TSQ.
0024	3051	READ failed on MICM Record 6000.
0025	4354	READ failed on PAW.
0026	4347	READ failed on EXC.
0027	4315	READ failed on COM.

Batch Programs

This chapter provides you with the details of each batch program used in Account Analysis. 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.

File Handling for Non-API Records

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 accomplished through 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 three-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.

File Handling for API Records

API records have two procedural copy members and a working storage copy member that are used when calling the database server. The working storage copy member is named AA'W'RRR'A'. The procedural copy members are named AA'P'RRR'A' and AA'P'RRR'B'. AA is the application owning the record; RRR is the three-character application record mnemonic. For example, the Analysis BNK Record's working storage copy member is ANWBNKA and the procedural copy member is ANPBNKA or ANPBNKB.

- To perform a specific request using the 'A' suffix procedural copybook, simply perform the paragraph containing the request and check WS-FUNCTION to determine if the request was successful.
- To perform a specific request using the 'B' suffix procedural copybook, load SR-APIFUNC with the appropriate value and perform the paragraph containing the request and check WS-FUNCTION to determine if the request was successful.

Note: A complete write up of all database verbs is in the Infopoint Runtime Components *Reference Guide*.

In addition, the file handling for API records includes the following information:

- Records are grouped into files based on API tables. Table 1 defines all records, their attributes and relates the record to a logical database. Table 2 relates the logical databases to physical files. Table 3 controls VSAM file attributes and LSR buffer pool usage. JCL buffer parameters should not be used if buffering is specified for a file in the API tables. It is recommended that all buffering be controlled by the API tables for files under API control.
- Records are grouped into files based on API tables. Infopoint provides API tables for each system.
- IDCAMS is used to define the files. Standard utilities such as IDCAMS REPRO can be used with API files.
- IDCAMS record length is the copy member length + 4. A three-position record name and single-position key number is appended to the front of each record. The record ID is the physical record ID, not the logical.

- Key length is primary key + 4 + largest key size. If an alternate key is defined, a record is written to the file containing the three-position record name, alternate key number, alternate key, and the primary key. Up to three alternate keys may be defined per record. The first three positions contain the physical record ID. The fourth position will contain a 0 for the primary key or a 1, 2, or 3 denoting the alternate key number.

Note: If multiple physical record types are grouped together in a file, the IDCAMS key size must be 4 + the key size of the record containing the largest key residing in the file. The record size would be 4 + data record length + the difference between the largest key size and the key of the largest record.

- Access is performed at the record level.

Sample API Requests for an Analysis Record

Using the 'A' Copybook

Request	Description
ANL-XXX-OPEN-REQUEST	Allow access to the records (opt)
ANL-XXX-CLOSE-REQUEST	Releases the resources
ANL-XXX-GET-REQUEST	Specific key record
ANL-XXX-GET-LOCK-REQUEST	Specific key read with a lock
ANL-XXX-GET-NEXT-REQUEST	Return next record
ANL-XXX-GET-NEXT-LOCK-REQUEST	Return next record with lock
ANL-XXX-GET-EQUAL-REQUEST	Return the first record with a key that is greater or equal to the key provided in the record
ANL-XXX-GET-EQUAL-LOCK-REQUEST	Same as above but locked
ANL-XXX-PUT-REQUEST	Write a new record
ANL-XXX-REPUT-REQUEST	Rewrite a record (must be locked)
ANL-XXX-DELETE-REQUEST	Delete a record (must be locked)
ANL-XXX-UNLOCK-REQUEST	Unlock a record
ANL-XXX-GLOBAL-COMMIT	Database commit
ANL-XXX-GLOBAL-CLOSE	Close all records (required)
ANL-XXX-GLOBAL-ABORT	Global abort (free resources)

Using the 'B' Copybook (SR-APIFUNC)

Request	Description
A	Write a new record
B	Return the first record with a key that is greater or equal to the key provided in the record
B U	Same as above but locked
C	Releases the resources
D	Delete a record (must be locked)
GA	Global abort (free resources)
GM	Database commit
GC	Close all records (required)
N	Return next record
N U	Return next record with lock
O	Allow access to the records (opt)
O U	Open for update. Each record read will be locked. ('R' becomes 'R U')
R	Specific key record
R U	Specific key read with a lock
S	Does nothing
U	Unlock a record
W	Rewrite a record (must be locked)

Note: Always check WS-FUNCTION upon return from an API paragraph. It will reflect one of the following:

- b** Normal return.
- =** Duplicate key error.
- E** End of file.
- N** Not found.
- O** Logic error.
- X** Unknown error.

Internal/External Record Codes Table

Listed below are the internal and external API record ID codes used by Account Analysis. This table provides a cross-reference between the Internal Record Codes (physical record names) which are used by the Application Program Interface (API) and their corresponding external record codes (logical record names) used by Account Analysis, and the associated record name/description.

Note: A logical name is an application-oriented synonym for a physical record name. Each logical name used within an application conveys specific meaning to that application. For more information, see the Infopoint Runtime Components *Reference Guide*.

Internal Record Code	External Record Code	Name	Description
ABA	BAJ	ANBAJ-RECORD	Balance Adjustment Record
ABK	BNK	ANBNK-RECORD	Institution Control Record
ACH	CHK	ANCHK-RECORD	Database Checkpoint Record
ACO	COM	ANCOM-RECORD	Customer Comments Record
ACR	XRC	ANXRC-RECORD	Cross-reference Chain Record
ADB	DLB	ANDLB-RECORD	Daily Balance Record
ADC	DXC	ANDXC-RECORD	Daily Cross-reference Chain Record
ADD	DXD	ANDXD-RECORD	Daily Cross-reference Data Record
ADE	DEX	ANDEX-RECORD	Daily Explicit Charges Record
ADH	DHT	ANDHT-RECORD	Deposit History Record
ADM	DMS	ANDMS-RECORD	Deposit Master Record
ADR	XRD	ANXRD-RECORD	Cross-reference Data Record
AER	EXC	ANEXC-RECORD	Exception Rate Record
AGH	GHT	ANGHT-RECORD	Group History Record
AGM	GMS	ANGMS-RECORD	Group Master Record
AHC	HCD	ANHCD-RECORD	History Change Demographic Record
AHS	HST	ANHST-RECORD	Maintenance History Record
AIN	INV	ANINV-RECORD	Invoice Number Record
AIP	IPD	ANIPD-RECORD	Initial Pricing Record
AIX	IXR	ANIXR-RECORD	Invoice Cross-reference Record
ALG	LOG	ANLOG-RECORD	Log Record

Internal Record Code	External Record Code	Name	Description
AMG	MSG	ANMSG-RECORD	Statement Message Record
AOB	OSB	ANOSB-RECORD	Outstanding Bills Record
AOR	ORG	ANORG-RECORD	Organization Identification Record
APA	PAW	ANPAW-RECORD	Promotional Waive Record
APB	PAX	ANPAX-RECORD	Profile Account Cross-reference Record
APC	APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
APM	PAY	ANPAY-RECORD	Payment History Record
APR	PRO	ANPRO-RECORD	Promotional Waive Parameters Record
APT	PTO	ANPTO-RECORD	Product Total Record
APX	PXR	ANPXR-RECORD	Payment Cross-reference Record
ARC	RCV	ANRCV-RECORD	Receivable Record
ARP	RPC	ANRPC-RECORD	Repricing Request Record
ART	RET	ANRET-RECORD	Recurring Transaction Record
AR1	IR1	ANIR1-RECORD	InfoReporter History Strip Record
AR2	IR2	ANIR2-RECORD	InfoReporter Summary Record
AR3	IR3	ANIR3-RECORD	InfoReporter History Date Strip Record
AR4	IR4	ANIR4-RECORD	InfoReporter History Master Summary Record
ASH	SCH	ANSCH-RECORD	Service Charge Record
ASP	SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
ASW	STW	ANSTW-RECORD	Statement Work Record
ATA	TAJ	ANTAJ-RECORD	Transaction Adjustment Record
ATD	TRD	ANTRD-RECORD	Transaction Description Record
ATP	TPR	ANTPR-RECORD	Transaction Pointer Record
ATR	TRN	ANTRN-RECORD	Transaction Record
ATS	TIS	ANTIS-RECORD	Tax Invoice Sequence Record
AWC	WSC	ANWSC-RECORD	Service Charge Waive Information Record
AXC	XRL	ANXRL-RECORD	Relational Customers Record
AXD	TXD	ANTXD-RECORD	Tax Detail Record

Internal Record Code	External Record Code	Name	Description
AXF	XRS	ANXRS-RECORD	Cross-reference Strip Record
AXS	TXS	ANTXS-RECORD	Tax Summary Record
AXW	TXW	ANTXW-RECORD	Tax Write-off Detail Record
AXZ	TXZ	ANTXZ-RECORD	Tax Write-off Summary Record
AYA	YCI	ANYCI-RECORD	Repository Customer Information Record
AYB	YAI	ANYAI-RECORD	Repository Accounts Included Record
AYC	YBC	ANYBC-RECORD	Repository Balance Conversion Record
AYD	YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record
AYE	YBI	ANYBI-RECORD	Repository Balance Information – Investment Record
AYF	YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
AYG	YER	ANYER-RECORD	Repository Exchange Rates Record
AYH	YAS	ANYAS-RECORD	Repository Activity Summary Information Record
AYI	YRD	ANYRD-RECORD	Repository Recap Detail Record
AYJ	YRT	ANYRT-RECORD	Repository Recap Totals Record
AYK	YSD	ANYSD-RECORD	Repository Service Detail Record
AYL	YST	ANYST-RECORD	Repository Service Totals by Currency Record
AYM	YDB	ANYDB-RECORD	Repository Daily Balance Record
AYN	YDT	ANYDT-RECORD	Repository Daily Balance Totals Record
AYO	YII	ANYII-RECORD	Repository Invoice Information Record
AYP	YIB	ANYIB-RECORD	Repository Invoice OSB Record
AYQ	YIA	ANYIA-RECORD	Repository Invoice Activity Record
AYR	YTI	ANYTI-RECORD	Repository Customer Tax Information Record
AYS	YTD	ANYTD-RECORD	Repository Taxed Service Detail Record
AYT	YTS	ANYTS-RECORD	Repository Total Taxed Summary Record
AYU	YTE	ANYTE-RECORD	Repository Tax Invoice Exchange Rates Record

API VSAM File Structures Table

This table contains the record definitions of the Account Analysis VSAM Control Table entries, as provided by Infopoint. This information is used to control the physical requirements for the API records used by Account Analysis. The logical names are listed with the API Record IDs they contain. The logical name can be equated to the DD or DLBL name in the job control language.

Logical Name	API Record ID
ANFAPX	APX
ANFBAJ	BAJ
ANFBNK	BNK
ANFCHK	CHK
ANFCOM	COM
ANFDEX	DEX
ANFDHT	DHT
ANFDLB	DLB
ANFDXC	DXC
ANFDXD	DXD
ANFDMS	DMS
ANFEXC	EXC
ANFGHT	GHT
ANFGMS	GMS
ANFHCD	HCD
ANFHST	HST
ANFINV	INV
ANFIPD	IPD
ANFIR1	IR1
ANFIR2	IR2
ANFIR3	IR3
ANFIR4	IR4
ANFIXR	IXR
ANFLOG	LOG
ANFMSG	MSG

Logical Name	API Record ID
ANFORG	ORG
ANFOSB	OSB
ANFPAW	PAW
ANFPAX	PAX
ANFPAY	PAY
ANFPRO	PRO
ANFPTO	PTO
ANFPXR	PXR
ANFRCV	RCV
ANFRET	RET
ANFRPC	RPC
ANFSCH	SCH
ANFSPH	SPH
ANFSTW	STW
ANFTAJ	TAJ
ANFTIS	TIS
ANFTPR	TPR
ANFTRN	TRN
ANFTXD	TXD
ANFTXD	TXD
ANFTXS	TXS
ANFTXW	TXW
ANFTXZ	TXZ
ANFWSC	WSC
ANFXRC	XRC
ANFXRD	XRD
ANFXRL	XRL
ANFXRS	XRS
ANMMST	A00 – A99

Procedures Routines

Routines that are used in multiple programs are isolated into procedure routines as copybooks. These procedure routines can then be copied into any program that needs to use them. The following list shows the copybook names and the procedure routines they contain.

Copybook Names	Procedures Routine	Descriptions
ANP001	TOTAL-ROUTINE-SECTION	Performs totaling functions for report formatters.
ANP002	TOTAL-ROUTINE-SECTION	Performs totaling functions for report formatters for daily product reporting.
ANP003	TOTAL-ROUTINE-SECTION	Performs totaling functions for report formatters for monthly product reporting.
ANP008	CALC-DEPOSITANLY-SECTION	Performs service charge analysis calculations for deposit accounts.
ANP009	CALC-GROUPANLY-SECTION	Performs service charge analysis calculations for group accounts.
ANP010	UPDATE-GROUP-SECTION	Updates the group account to include information calculated for the individual deposit account.
ANP011	ANALYSIS-CALCULATIONS	Contains sections to be performed for different elements of service charge analysis. The following calculations are included: earnings credit amount, reserve amount, balance required, formula B interest, formula B service charge amount, FDIC amount, overdraft interest, overdraft cost, marginal income, available balance, net available balance, excess balance, and day base.
ANP012	ACCUM-TRANSACTIONS-SECTION	Accumulates transactions.
ANP013	GENERATE-TRANS-SECTION	Creates statement records for the transactions generated within Account Analysis.
ANP013L	GENERATE-TRANS	Creates statement records for the transactions generated within Account Analysis. Used by online programs.

Copybook Names	Procedures Routine	Descriptions
ANP014	GET-TRANS-SECTION	Creates statement records for those transactions on the Transaction Record. This routine also applies any tiered pricing.
ANP014L	GET-TRANSACT	Contains aborts 7000 – 7007 and 7010 and 7200. Contains the sections performed to charge transactions and build transaction statement records. Used by online programs.
ANP017	STACK-PXR	Contains aborts 1700 – 1704. Apply payments to history records.
ANP018	PAYMENT-REPOST-SECTION	Contains aborts 3001 – 3034. Updates the Outstanding Bills Record with current information due to an account cycling or reprinting.
ANP019	PROCESS-PAYMENTS-SECTION	Contains aborts 3500 – 3509. Updates the proper fields on the Payment History Record when adding a new payment.
ANP020	APPORTION-TAXES-WRITEOFF-SECTION	Contains aborts 2001 – 2008. Apportions the taxes for write-off/recovery payments on receivable accounts
ANP021	ZERO-HISTORIES-SECTION	Zeros all numeric fields in the history records.
ANP022	BUILD-NEWACCT-SECTION	Builds new account Master records from card input.
ANP023	EDIT-HISTORIES-SECTION	Edits new account history card input.
ANP024	VERIFY-ROUTINES-SECTION	Verification support routines for card input.
ANP025	SERVICE-PRICING-SECTION	Prices transaction input.
ANP028	INITIALIZE-DAILYBALANCE-SECTION	Builds an initialized working storage Daily Balance Record for the calendar month specified.
ANP029	BUILD-FROMDBAL-SECTION	Calculates group and deposit aggregates based on information in the Daily Balance Record.
ANP030	ACCOUNT-KEY-EDIT-SECTION	Edits, verifies, and displays the 25-position account number. Used by batch programs.

Copybook Names	Procedures Routine	Descriptions
ANP031	GENERATE-ANSVCU-SECTION	Generates transactions that back out deleted transactions that were generated.
ANP032	GENERATE-GLTOREC-SECTION	Generates transactions that back out deleted transactions that were generated daily.
ANP033	GET-CURRENCY-SECTION	Reads MICM Record 2018.
ANP034	GET-FXRATE-SECTION	Reads MICM Record 2020 for the Foreign Exchange Rate.
ANP035	PROCESS-CURRENCY-CONVERSION-SECTION	Contains about 3000. Converts an amount based on a currency code.
ANP036	EXCEPTION-RATE-HIERARCHY	Process exception rate hierarchy.
ANP040	LOAD-ORG-IDS	Reads and tables the organization IDs.
ANP050	GET-TAX-REGION-SECTION	Reads MICM Record 6023.
ANP051	GET-TAXABLE-SVC-SECTION	Reads MICM Record 6024.
ANP052	GET-CURRENCY-SECTION	Loads 2018 table and reads table.
ANP053	GET-FXRATE-SECTION	Reads MICM Record 2020 and loads table.
ANP054	GET-CURRENCY-SECTION	Reads 2018 table. Used for reports (G modules).
ANP055	GET-FXRATE-SECTION	Reads 2020 table.
ANP056	TABLE-2018-RECORD-SECTION	Loads 2018 table. Used for report (AND350, ANM350, etc.)
ANP090	EDIT-AMOUNT-SECTION	Edits amount fields.
ANP100	PRICING-HIERARCHY-ROUTINE-SECTION	Pricing hierarchy routine for retrieving MICM 6015/6016 Records.
ANP101L	READ-MICM-TABLES	Processes MICM 6015/6016 Records. Used by online programs.
ANP101	READ-MICM-TABLES	Reads and processes MICM records.
ANP103	READ-PRO-TABLES-SECTION	Processes the PRO Record.
ANP104	BUILD-ORGRECORD-SECTION	Organization record build.
ANP105	SET-SYNCPOINT-SECTION	MICM Record 6022 read routine.

Copybook Names	Procedures Routine	Descriptions
ANP106	READ-CARDFIL-SECTION	Processes the card used for recovery open and read recovery parameter.
ANP200	Account Analysis Processing	Contains aborts 2001 – 2030. Multiple routines used to analyze accounts.
ANP200L	Account Analysis Processing	Contains aborts 2001 – 2045. Multiple routines used to analyze accounts. Used by online programs.
ANP202	Account Analysis Processing Part 2	Multiple routines used to analyze accounts.
ANP205	PROCESS-TAXES-SECTION	Generates the TDET and TSUM records.
ANP206	BUILD-ANTSUM-SECTION	Uses the TXS Record to generate the ANTXGL and ANRP44, ANSTM14, and ANSTM15 records.
ANP411	STATEMENT-HEADNAME-SECTION	Contains the sections required to print the location name and address at the top of the statement. This address can be a holding company, institution, region, branch, cost center, or blanks.
ANP412	TRANSACTION-PRINT-SECTION	Accumulates and performs totaling of services to be printed on the Analysis Statement.
ANP413	PRINT-DAILYBALANCE-SECTION	Contains the logic to print the Daily Balance portion of the Analysis Statement.
ANP415	SETTLSUM-PRINT-SECTION	Contains the logic to print the Settlement Summary on the Analysis Statement.
ANP502	FIND-REPORT-DATE-SECTION	Determines if a report is to be printed within the timeframe designated.
ANP6002L	6002-READ-SECTION	Reads MICM Record 6002. Used by online programs.
ANP6011L	6011-READ-SECTION	Reads MICM Record 6011. Used by online programs.
ANP6012L	6012-READ-SECTION	Reads MICM Record 6012. Used by online programs.
ANP6013L	6013-READ-SECTION	Reads MICM Record 6013. Used by online programs.
ANP6015L	6015-READ-SECTION	Reads MICM Record 6015. Used by online programs.

Copybook Names	Procedures Routine	Descriptions
ANP6016L	6016-READ-SECTION	Reads MICM Record 6016. Used by online programs.
ANP6017L	6017-READ-SECTION	Reads MICM Record 6017. Used by online programs.
ANP6018L	6018-READ-SECTION	Reads MICM Record 6018. Used by online programs.
ANP6025L	6025-READ-SECTION	Reads MICM Record 6025. Used by online programs.
ANP6031L	6031-READ-SECTION	Reads MICM Record 6031. Used by online programs.
ANP6032L	6032-READ-SECTION	Reads MICM Record 6032. Used by online programs.
ANP6080L	6080-READ-SECTION	Reads MICM Record 6080. Used by online programs.
ANP6086L	6086-READ-SECTION	Reads MICM Record 6086. Used by online programs.
ANPFPRT	FINAL-PRICING-TABLE Expansion Sections	Final Pricing table routines. Contains aborts 4000 – 4002. Used by batch programs.
	PRICING-ENTRY-TABLE Expansion Sections	Pricing Entry table routines. Contains aborts 4010 – 4012. Used by batch programs.
ANPFPRTL	FINAL-PRICING-TABLE Expansion Sections	Final Pricing table routines. Contains aborts 4000 – 4002. Used by online programs.
	PRICING-ENTRY-TABLE Expansion Sections	Pricing Entry table routines. Contains aborts 4010 – 4012. Used by online programs.
ANPPCRT	PROCESS-CON-TABLE Expansion Sections	Process Consolidation table routines. Contains aborts 4020 – 4022. Used by batch programs.
ANPPCRTL	PROCESS-CON-TABLE Expansion Sections	Process Consolidation table routines. Contains aborts 4020 – 4022. Used by online programs.
ANPSPRTL	PRICING-DATA-TABLE Expansion Sections	Pricing Data table routines. Contains aborts 4030 – 4032. Used by online programs.

Copybook Names	Procedures Routine	Descriptions
ANPSTWT	STW-TABLE Expansion Sections	Statement Work table routines. Contains aborts 4040 – 4042. Used by batch programs.
ANPSTWTL	STW-TABLE Expansion Sections	Statement Work table routines. Contains aborts 4040 – 4042. Used by online programs.

Statement Sort Procedures

This section describes the process that builds the Statement Sort Key used by Account Analysis. The following is the layout for the statement sort key as defined in copybook ANW400:

05	WS-SKKEY1.				
	07	WS-SKFORMNBR	PIC X(02).		
	07	WS-SKHOLDCO	PIC 9(04).		
	07	WS-SKINSTNBR	PIC 9(04).		
	07	WS-SKMAIL	PIC X(01).		
	07	WS-SKZIP	PIC S9(09)	COMP-3.	
	07	WS-SKCARRIER	PIC X(04).		
	07	WS-SKREGNBR	PIC S9(03)	COMP-3.	
	07	WS-SKBRNBR	PIC S9(05)	COMP-3.	
	07	WS-SKTYPE	PIC S9(03)	COMP-3.	
	07	WS-SKOFF2	PIC X(09).		
	07	WS-SKOFF1	PIC X(09).		
	07	WS-SKCC	PIC S9(15)	COMP-3.	
	07	WS-SKDISP	PIC X(01).		
	07	WS-SKDATE	PIC S9(09)	COMP-3.	
	07	WS-SKPRTGACCT	PIC 9(18).		
	07	WS-SKPRTGCOPY	PIC S9(03)	COMP-3.	
	07	WS-SKPRTSEQNBR	PIC 9(18).		
	07	WS-SKADES	PIC X(01).		
	07	WS-SKACCOUNTG.			
		09	WS-SKACCTINST	PIC 9(04).	
		09	WS-SKAPPL	PIC 9(02).	
		09	WS-SKACCOUNT	PIC 9(18).	
		09	WS-SKCOPY	PIC S9(03)	COMP-3.
05	WS-SKAREA		PIC S9(04)	COMP.	
05	WS-SKTRANKEY.				
	07	WS-SKEFFDT	PIC S9(08)	COMP.	
	07	WS-SKTAXTN	PIC X(01).		
	07	WS-SKSVURN	PIC X(04).		
	07	WS-SKTMACODE	PIC X(06).		
	07	WS-SKTRNSEQ	PIC S9(07)	COMP-3.	
	07	WS-SKSVORIGIN	PIC X(10).		
	07	WS-SKSVTYPE	PIC X(05).		
	07	WS-SKSVCCD	PIC S9(05)	COMP-3.	
	07	WS-SKACCUMCD	PIC X(01).		
	07	WS-SKCHRGCD	PIC X(01).		
	07	FILLER	PIC X(02).		
05	WS-SKPAYKEY REDEFINES WS-SKTRANKEY.				
	07	FILLER	PIC X(10).		
	07	WS-SKINVSEQ	PIC S9(09)	COMP-3.	
	07	WS-SKPAYEFFDT	PIC X(08).		
	07	FILLER	PIC X(18).		
05	WS-SKACTKEY REDEFINES WS-SKTRANKEY.				
	07	WS-SKLISTSEQ	PIC 9(18)	COMP-3.	
	07	WS-SKGRINST2	PIC 9(04)	COMP-3.	
	07	WS-SKGRACCT2	PIC 9(18)	COMP-3.	
	07	WS-SKINST2	PIC 9(04)	COMP-3.	
	07	WS-SKAPPL2	PIC 9(02).		
	07	WS-SKACCT2	PIC 9(18)	COMP-3.	
	07	FILLER	PIC X(03).		

05	WS-SKTAXKEY REDEFINES WS-SKTRANKEY.		
07	WS-SKTAXRGN	PIC X(05).	
07	WS-SKTXINST	PIC 9(04)	COMP-3.
07	WS-SKTXAPPL	PIC 9(02).	
07	WS-SKTXACCT	PIC 9(18)	COMP-3.
07	WS-SKTXSECT	PIC X(01).	
07	WS-SKSVCCURN2	PIC X(04).	
07	WS-SKTXORIGIN	PIC X(10).	
07	WS-SKSVCCD2	PIC 9(05)	COMP-3.
07	WS-SKTXSEQ	PIC S9(05)	COMP-3.
05	WS-SKUCHRG	PIC S9(07)V9(8)	COMP-3.
05	WS-SKSEQ	PIC S9(09)	COMP-3.

The following is an explanation of each field in the sort key.

Fields

Definitions

WS-SKFORMNBR	Form code for the statement.
WS-SKHOLDCO	If the option is set to sort by holding company, this field contains the holding company number; otherwise, it contains zeros.
WS-SKINSTNBR	This field always contains the institution number for a parent group account, group account, or stand-alone account.
WS-SKMAIL	If the statement is a direct mail or ZIP code sort statement, a space is moved to this field. If the statement is not a direct mail statement, an S is moved to this field.
WS-SKZIP	If the statement disposition is set for zip code sort, SR-NAZIP should be moved to this field; otherwise, it contains zeros.
WS-SKCARRIER	If the statement disposition is set for zip code sort, SR-NACARRIER should be moved to this field; otherwise, it contains zeros.
WS-SKREGNBR	If the option is set to sort by region, this field contains the region number; otherwise, it contains zeros.
WS-SKBRNBR	If the option is set to sort by branch, this field contains the branch number; otherwise, it contains zeros.
WS-SKTYPE	If the option is set to sort by type, this field contains the type number; otherwise, it contains zeros.
WS-SKOFF2	If the option is set to sort by secondary officer, this field contains the secondary officer; otherwise, it contains spaces.
WS-SKOFF1	If the option is set to sort by primary officer, this field contains the primary officer; otherwise, it contains spaces.

WS-SKCC	If the option is set to sort by cost center, this field contains the cost center number; otherwise, it contains zeros.
WS-SKDISP	b Normal sort copies, including duplicate, relational and fiche only copies, and ZIP code sorted statements. H Hold copies. I In-house copies.
WS-SKDATE	Move ANSTM01-STMTDT to this field.
WS-SKPRTGACCT	ANSTM01-ACCOUNT is moved to this field. If this is a group's account statement, this field contains the highest level group number in the relationship that is being printed. If this is an individual's account statement, this field contains zeros.
WS-SKPRTGCOPY	This is zeros for the original copy. For each duplicate copy, this is increased by 1. Duplicate copies are not fiched.
WS-SKPRTSEQNBR	This number is assigned to keep accounts/groups in sequence within the print group.
WS-SKADES	Contains a value of 1.
WS-SKACCTINST	Move ANSTM01-INST to this field. If the record is for the individual account statement, this field contains the individual account's institution number. If the record is for the individual account portion of the group's statement, this field contains the individual account's institution number. If the record is for the group account portion of the group's statement, this field contains zeros.
WS-SKAPPL	Move ANSTM01-APPL to this field. If the record is for the individual account statement, this field contains the individual account's application number. If the record is for the individual account portion of the group statement, this field contains the individual account's application number. If the record is for the group account portion of the group statement, this field contains zeros.
WS-SKACCOUNT	Move ANSTM01-ACCOUNT to this field. If the record is for the individual account statement, this field contains the individual account's number. If the record is for the individual account portion of the group's statement, this field contains the individual account's number.

If the record is for the group account portion of the group's statement, this field contains zeros.

WS-SKCOPY This is zeros for the original copy. For each duplicate copy, this is increased by 1. Duplicate copies are not fished.

WS-SKAREA Used to sort the records as needed by the Statement Print program. Valid entries for non-international statements are:

- 10 D record for the account or group.
- 30 E records.
- 33 M records.
- 40 S record for the account.
- 45 D record for deposits or groups used in the accounts included area of the group statement.
- 70 J records for statement transmission files.
- 73 Debit transaction adjustments.
- 76 Other transaction adjustments.
- 90 Credit transactions.
- 93 Debit transactions.
- 96 Other transactions.
- 97 Per mil transactions.
- 98 R record. Invoice information and delinquency information.
- 100 O record. Invoice information or P record – payment.
- 110 Outstanding invoice that appears on the remittance portion of the invoice.
- 150 X record. Daily balances.

The following values are used in WS-SKAREA for the International Statement:

- 10 D record for the account or group.
- 30 M records.
- 40 S record for the account.
- 45 D record for the accounts and groups that appear in the Accounts Included section of the statement.
- 50 E record for accounts and groups that appear in the Balance Conversion section of format M statements.
- 60 E record for the account.
- 80 N records.
- 93 – 95 I records used for the Activity Summary section of the statement.
- 110 – 150 I records used for the Activity Detail section of the statement.
- 160 Per mil transactions.
- 165 Per mil tier detail.
- 170 Tier pricing detail.
- 200 R record for the invoice.
- 210 O and P records for the invoice.
- 250 O records for the remittance portion of the invoice.
- 300 T record for the Tax Invoice or U record for the Tax Invoice detail.
- 300 N record for the Rate Information on the Tax Invoice.

WS-SKTRANKEY

	Used for sorting when processing a transaction record.
WS-SKEFFDT	The transaction adjustments sequencing effective date.
WS-SKTAXTN	Optionally used for sequencing taxable/non-taxable transactions on the International Statement.
WS-SKSVCCURN	Used for sequencing transactions by service currency on the International Statement when doing multi-currency processing.
WS-SKTRNSEQ	Used for transaction sequencing. This field contains zeros for all records except I. ANSTM05-TRNSEQ is moved to this field, or if ANSTM05-TRNSEQ contains zeros, all 9s are moved to this field.
WS-SKSVORIGIN	ANSTM05-ORIGIN is moved to this field.
WS-SKSVTYPE	Used for transaction sequencing. This field contains spaces for all records except I. ANSTM05-SVTYPE is moved to this field.
WS-SKSVCCD	Used for transaction sequencing. This field contains zeros for all records except I. ANSTM05-SVCODE is moved to this field.
WS-SKACCUMCD	Used for transaction sequencing. This field contains a space for all records except I. If ANSTM05-STMACCUMCD contains A, then 1 is moved to this field; otherwise, 2 is moved to this field.
WS-SKCHRGCD	Used for transaction sequencing. This field contains a space for all records except I. For I records, this field is initialized as 0. 1 is moved to this field if ANSTM05-CHRGCD contains a b. 2 is moved to this field if ANSTM05-CHRGCD contains an E. 3 is moved to this field if ANSTM05-CHRGCD contains a B. 4 is moved to this field if ANSTM05-CHRGCD contains an N. 5 if moved to this field if ANSTM05-CHRGCD contains a W. 6 is moved to this field if ANSTM05-CHRGCD contains an X. 9 is moved to this field if ANSTM05-CHRGCD contains an O.

WS-SKPAYKEY REDEFINES WS-SKTRANKEY

	Used for sorting O and P invoice records.
WS-SKINVSEQ	Used to keep O and P records in sequence.
WS-SKPAYEFFDT	Payment effective date.

WS-SKACTKEY REDEFINES WS-SKTRANKEY

	Used for sorting records that need to be in order by account.
WS-SKLISTSEQ	A sequence number for the group accounts included section.
WS-SKGRINST2	Group institution.
WS-SKGRACCT2	Group number.
WS-SKINST2	Account/Group institution.
WS-SKAPPL2	Account/Group application.
WS-SKACCT2	Account/Group number.

WS-SKTAXKEY REDEFINES WS-SKTRANKEY

	Applies to the International Statement.
WS-SKTAXRGN	Tax region to sort by when performing tax processing.
WS-SKTXINST	Institution of the taxed entity.
WS-SKTXAPPL	Application number of the taxed entity.
WS-SKTXACCT	Account number of the taxed entity.
WS-SKTXSECT	Used to separate regular and per mil items on the Tax Invoice.
WS-SKSVCURN2	Currency of the transactions on the Tax Invoice.
WS-SKTXORIGIN	Origin of taxed transactions.
WS-SKSVCCD2	Service code of the transactions on the Tax Invoice.
WS-SKTXSEQ	Used to sequence an override description of the transaction on the Tax Invoice.
WS-SKUCHRG	Used for transaction sequencing. This field contains zeros for all records except I. ANSTM05-UCHRG is moved to this field.
WS-SKSEQ	This field is internally incremented by one for every statement record written to the Sorted Statement File.

Decimal Shift

The Infopoint Account Analysis and MICM systems were designed around a two-decimal currency (USD). All of the currency related or monetary fields are processed relative to two decimal positions. For example, consider the lowest possible unit of currency for the United States (1 cent), Japan (1 yen), and Kuwait (1 fil). Each unit of currency is stored in Account Analysis in an implied, two-decimal-position field as '.01'. Since the period is not stored with the numeric data, each unit of currency appears the same on the database (as '01').

To display the stored data, the Account Analysis and MICM systems reference the MICM 2018 records by currency to determine the decimal positions for that currency as well as the appropriate currency delimiter and separator. The "01" database amount should be displayed or printed as shown in the following table.

Stored on Database	Currency	MICM 2018 Decimal	MICM 2018 (Sep=, / Delim=.)	MICM 2018 (Sep=, / Delim=.)
(2 Implied Decimals)				
v01	YEN	0	1	1
v01	USD	2	.01	,01
v01	KWD	3	.001	,001

Also stored within Account Analysis, there are fields with 4 implied decimals and fields with 8 implied decimals. Fields with 4 implied decimals are typically associated with unit prices, and fields with 8 implied decimals are typically associated with rates. Of these fields, the Account Analysis system only decimal shifts currency related or monetary fields, such as Unit Price fields. Rate fields are non-monetary so decimal shifting does not occur. The currency separator and delimiter specified on MICM Record 2018, however, are used for displaying Rate fields.

The following tables show how decimal shifting works with fields that have 4 implied decimals and fields with 8 implied decimals. In the second table, notice that the last field with 8 implied decimals is a Rate field and, therefore, has no decimal shifting.

Stored on Database	Currency	MICM 2018 Decimal	MICM 2018 (Sep=, / Delim=.)	MICM 2018 (Sep=, / Delim=.)
(4 Implied Decimals)				
v5300	YEN	0	53.00	53,00
v5300	USD	2	.5300	,5300
v5300	KWD	3	.05300	,05300
(8 Implied Decimals)				
v00687030	YEN	n/a	.00687030	,00687030
v00687030	USD	n/a	.00687030	,00687030
v00687030	KWD	n/a	.00687030	,00687030

The Account Analysis system utilizes the MICM 5.1 EDIT-AMOUNT routine (SRP190) to handle the decimal shifting needed for the currency being processed. The following table shows examples of the decimal shifting formula used by this routine.

Stored on Database	Currency	MICM 2018 Decimal	Decimal Shift Formula	MICM 2018 (Sep=, / Delim=.)	MICM 2018 (Sep=, / Delim=.)
(2 Implied Decimals)					
v01	YEN	0	$2+(0-2)=0$	1	1
v01	USD	2	$2+(2-2)=2$	.01	,01
v01	KWD	3	$2+(3-2)=3$	.001	,001
(2 Implied Decimals)					
1740v75	YEN	0	$2+(0-2)=0$	174,075	174.075
1740v75	USD	2	$2+(2-2)=2$	1,740.75	1.740,75
1740v75	KWD	3	$2+(3-2)=3$	174.075	174,075
(4 Implied Decimals)					
v0001	YEN	0	$4+(0-2)=2$	.01	,01
v0001	USD	2	$4+(2-2)=4$	.0001	,0001
v0001	KWD	3	$4+(3-2)=5$	.00001	,00001
(4 Implied Decimals)					
22357v3560	YEN	0	$4+(0-2)=2$	2,235,735.60	2.235.735,60
22357v3560	USD	2	$4+(2-2)=4$	22,357.3560	22.357,3560
22357v3560	KWD	3	$4+(3-2)=5$	2,235.73560	2.235,73560

Decimal Shift

Stored on Database	Currency	MICM 2018 Decimal	Decimal Shift Formula	MICM 2018 (Sep=, / Delim=.)	MICM 2018 (Sep=. / Delim=,)
(8 Implied Decimals)					
v00000001	YEN	n/a	n/a	.00000001	,00000001
v00000001	USD	n/a	n/a	.00000001	,00000001
v00000001	KWD	n/a	n/a	.00000001	,00000001
(8 Implied Decimals)					
17v4560000	YEN	n/a	n/a	17.45600000	17,45600000
17v4560000	USD	n/a	n/a	17.45600000	17,45600000
17v4560000	KWD	n/a	n/a	17.45600000	17,45600000

Daily Programs

The following programs are run during daily operations.

AND005 – Daily File Initialization

Purpose This program initializes the Reports, General Ledger Today, Organization and Checkpoint files.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
CHK	ANCHK-RECORD	Database Checkpoint Record
ORG	ANORG-RECORD	Organization Identification Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDB	Control Card	Input	Card	Sequential	80
ANGLTO	General Ledger Today File	Output	Disk	Sequential	608
ANRPTS	Reports File	Output	Disk	Random	Variable

Reports None

Control Card The control card is optional and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 03	1	Card type. Valid entry is *.
04 – 04	1	Reports File initialization option. Valid entries are: N or N Do not initialize file. Y Initialize file.
05 – 05	1	General Ledger Today File 1 option. Valid entries are: N or N Do not initialize file. Y Initialize file.

Columns	Size	Description
06 – 06	1	Checkpoint Record option. Valid entries are: b or N Do not initialize file. Y Initialize file.
07 – 07	1	Organization Record option. Valid entries are: b or N Do not initialize file. Y Initialize file.
08 – 80	73	Not used.

Note: If no control card is used, the program assigns control card default values of **06**, **b**, **N**, and **Y** for each respective column.

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 number on control card.
0002	Invalid card type on control card.
0003	Invalid General Ledger Today File 1 option on control card.
0004	Invalid report records option on control card.
0005	Invalid Organization Record option on control card.
0006	Invalid Checkpoint Record option on control card.
0007	BROWSE failed on ORG.
0008	Global record not found on ORG.
0009	Global ORG processing and all ORGs have not processed.
0010	READ failed on ORG.
0011	WRITE failed on ORG.
0012	READ failed on ORG.
0013	BROWSE failed on ORG.
0014	READ failed on ORG.
0015	Organization table exceeded 35 entries.
0016	Invalid key on ANGLT1.
0017	Invalid key on ANRPTS.
0022-0024	READ failed on ORG.
0025	WRITE failed on ORG.

Code	Description
0026	CHK not initialized.
0027	WRITE failed on CHK.
0028	Invalid key on ANGLT1.
0029	Invalid key on ANRPTS.
0030	READ failed on ORG.
0031	WRITE failed on ORG (Org A).
0032-0033	WRITE failed on CHK (Org A).
0034	WRITE failed on ANGLT1 (Org B).
0035	WRITE failed on ANRPTS (Org B).
0036	READ failed on ORG (Org B).
0037	WRITE failed on ORG (Org B).
0038-0039	WRITE failed on CHK (Org B).
0040	WRITE failed on ANGLT1 (Org C).
0041	WRITE failed on ANRPTS (Org C).
0042	READ failed on ORG (Org C).
0043	WRITE failed on ORG (Org C).
0044-0045	WRITE failed on CHK (Org C).
0046	WRITE failed on ANGLT1 (Org D).
0047	WRITE failed on ANRPTS (Org D).
0048	READ failed on ORG (Org D).
0049	WRITE failed on ORG (Org D).
0050-0051	WRITE failed on CHK (Org D).
0052	WRITE failed on ANGLT1 (Org E).
0053	WRITE failed on ANRPTS (Org E).
0054	READ failed on ORG (Org E).
0055	WRITE failed on ORG (Org E).
0056-0057	WRITE failed on CHK (Org E).
0058	WRITE failed on ANGLT1 (Org F).
0059	WRITE failed on ANRPTS (Org F).
0060	READ failed on ORG (Org F).
0061	WRITE failed on ORG (Org F).
0062-0063	WRITE failed on CHK (Org F).

Code	Description
0064	WRITE failed on ANGLT1 (Org G).
0065	WRITE failed on ANRPTS (Org G).
0066	READ failed on ORG (Org G).
0067	WRITE failed on ORG (Org G).
0068-0069	WRITE failed on CHK (Org G).
0070	WRITE failed on ANGLT1 (Org H).
0071	WRITE failed on ANRPTS (Org H).
0072	READ failed on ORG (Org H).
0073	WRITE failed on ORG (Org H).
0074-0075	WRITE failed on CHK (Org H).
0076	WRITE failed on ANGLT1 (Org I).
0077	WRITE failed on ANRPTS (Org I).
0078	READ failed on ORG (Org I).
0079	WRITE failed on ORG (Org I).
0080-0081	WRITE failed on CHK (Org I).
0082	WRITE failed on ANGLT1 (Org J).
0083	WRITE failed on ANRPTS (Org J).
0084	READ failed on ORG (Org J).
0085	WRITE failed on ORG (Org J).
0086-0087	WRITE failed on CHK (Org J).
0088	WRITE failed on ANGLT1 (Org K).
0089	WRITE failed on ANRPTS (Org K).
0090	READ failed on ORG (Org K).
0091	WRITE failed on ORG (Org K).
0092-0093	WRITE failed on CHK (Org K).
0094	WRITE failed on ANGLT1 (Org L).
0095	WRITE failed on ANRPTS (Org L).
0096	READ failed on ORG (Org L).
0097	WRITE failed on ORG (Org L).
0098-0099	WRITE failed on CHK (Org L).
0100	WRITE failed on ANGLT1 (Org M).
0101	WRITE failed on ANRPTS (Org M).

Code	Description
0102	READ failed on ORG (Org M).
0103	WRITE failed on ORG (Org M).
0104-0105	WRITE failed on CHK (Org M).
0106	WRITE failed on ANGLT1 (Org N).
0107	WRITE failed on ANRPTS (Org N).
0108	READ failed on ORG (Org N).
0109	WRITE failed on ORG (Org N).
0110-0111	WRITE failed on CHK (Org N).
0112	WRITE failed on ANGLT1 (Org O).
0113	WRITE failed on ANRPTS (Org O).
0114	READ failed on ORG (Org O).
0115	WRITE failed on ORG (Org O).
0116-0117	WRITE failed on CHK (Org O).
0118	WRITE failed on ANGLT1 (Org P).
0119	WRITE failed on ANRPTS (Org P).
0120	READ failed on ORG (Org P).
0121	WRITE failed on ORG (Org P).
0122-0123	WRITE failed on CHK (Org P).
0124	WRITE failed on ANGLT1 (Org Q).
0125	WRITE failed on ANRPTS (Org Q).
0126	READ failed on ORG (Org Q).
0127	WRITE failed on ORG (Org Q).
0128-0129	WRITE failed on CHK (Org Q).
0130	WRITE failed on ANGLT1 (Org R).
0131	WRITE failed on ANRPTS (Org R).
0132	READ failed on ORG (Org R).
0133	WRITE failed on ORG (Org R).
0134-0135	WRITE failed on CHK (Org R).
0136	WRITE failed on ANGLT1 (Org S).
0137	WRITE failed on ANRPTS (Org S).
0138	READ failed on ORG (Org S).
0139	WRITE failed on ORG (Org S).

Code	Description
0140-0141	WRITE failed on CHK (Org S).
0142	WRITE failed on ANGLT1 (Org T).
0143	WRITE failed on ANRPTS (Org T).
0144	READ failed on ORG (Org T).
0145	WRITE failed on ORG (Org T).
0146-0147	WRITE failed on CHK (Org T).
0148	WRITE failed on ANGLT1 (Org U).
0149	WRITE failed on ANRPTS (Org U).
0150	READ failed on ORG (Org U).
0151	WRITE failed on ORG (Org U).
0152-0153	WRITE failed on CHK (Org U).
0154	WRITE failed on ANGLT1 (Org V).
0155	WRITE failed on ANRPTS (Org V).
0156	READ failed on ORG (Org V).
0157	WRITE failed on ORG (Org V).
0158-0159	WRITE failed on CHK (Org V).
0160	WRITE failed on ANGLT1 (Org W).
0161	WRITE failed on ANRPTS (Org W).
0162	READ failed on ORG (Org W).
0163	WRITE failed on ORG (Org W).
0164-0165	WRITE failed on CHK (Org W).
0166	WRITE failed on ANGLT1 (Org X).
0167	WRITE failed on ANRPTS (Org X).
0168	READ failed on ORG (Org X).
0169	WRITE failed on ORG (Org X).
0170-0171	WRITE failed on CHK (Org X).
0172	WRITE failed on ANGLT1 (Org X).
0173	WRITE failed on ANRPTS (Org Y).
0174	READ failed on ORG (Org Y).
0175	WRITE failed on ORG (Org Y).
0176-0177	WRITE failed on CHK (Org Y).
0178	WRITE failed on ANGLT1 (Org Z).

Code	Description
0179	WRITE failed on ANRPTS (Org Z).
0180	READ failed on ORG (Org Z).
0181	WRITE failed on ORG (Org Z).
0182-0183	WRITE failed on CHK (Org Z).
0184	WRITE failed on ANGLT1 (Org 0).
0185	WRITE failed on ANRPTS (Org 0).
0186	READ failed on ORG (Org 0).
0187	WRITE failed on ORG (Org 0).
0188-0189	WRITE failed on CHK (Org 0).
0190	WRITE failed on ANGLT1 (Org 1).
0191	WRITE failed on ANRPTS (Org 1).
0192	READ failed on ORG (Org 1).
0193	WRITE failed on ORG (Org 1).
0194-0195	WRITE failed on CHK (Org 1).
0196	WRITE failed on ANGLT1 (Org 2).
0197	WRITE failed on ANRPTS (Org 2).
0198	READ failed on ORG (Org 2).
0199	WRITE failed on ORG (Org 2).
0200-0201	WRITE failed on CHK (Org 2).
0202	WRITE failed on ANGLT1 (Org 3).
0203	WRITE failed on ANRPTS (Org 3).
0204	READ failed on ORG (Org 3).
0205	WRITE failed on ORG (Org 3).
0206-0207	WRITE failed on CHK (Org 3).
0208	WRITE failed on ANGLT1 (Org 4).
0209	WRITE failed on ANRPTS (Org 4).
0210	READ failed on ORG (Org 4).
0211	WRITE failed on ORG (Org 4).
0212-0213	WRITE failed on CHK (Org 4).
0214	WRITE failed on ANGLT1 (Org 5).
0215	WRITE failed on ANRPTS (Org 5).
0216	READ failed on ORG (Org 5).

Code	Description
0217	WRITE failed on ORG (Org 5).
0218-0219	WRITE failed on CHK (Org 5).
0220	WRITE failed on ANGLT1 (Org 6).
0221	WRITE failed on ANRPTS (Org 6).
0222	READ failed on ORG (Org 6).
0223	WRITE failed on ORG (Org 6).
0224-0225	WRITE failed on CHK (Org 6).
0226	WRITE failed on ANGLT1 (Org 6).
0227	WRITE failed on ANRPTS (Org 7).
0228	READ failed on ORG (Org 7).
0229	WRITE failed on ORG (Org 7).
0230-0231	WRITE failed on CHK (Org 7).
0232	WRITE failed on ANGLT1 (Org 8).
0233	WRITE failed on ANRPTS (Org 8).
0234	READ failed on ORG (Org 8).
0235	WRITE failed on ORG (Org 8).
0236-0237	WRITE failed on CHK (Org 8).
0238	WRITE failed on ANGLT1 (Org 9).
0239	WRITE failed on ANRPTS (Org 9).
0240	READ failed on ORG (Org 9).
0241	WRITE failed on ORG (Org 9).
0242-0243	WRITE failed on CHK (Org 9).

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND009 – Deposit Application System Interface Conversion

Purpose This program reads the Deposit Daily Interface Files (ANDINA, ANDINB, ANDINC, ANDIND, and ANDINE) and converts the data from a previous release such as 5.0, 6.0, 8.0, 8.1, 8.2, 8.3, 8.4 or 8.5 format to the current format required by AND010 for release 9.0. A control card determines the correct format conversion.

Note: If converting mixed releases, this program needs to be run once for each release.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANDINA	Deposit Daily Interface File (opt.) Format 8.2/8.3	Input	Disk	Sequential	228
ANDINB	Deposit Daily Interface File (opt.) Format 8.0/8.1	Input	Disk	Sequential	150
ANDINC	Deposit Daily Interface File (opt.) Format 6.0	Input	Disk	Sequential	150
ANDIND	Deposit Daily Interface File (opt.) Format 5.0	Input	Disk	Sequential	150
ANDINE	Deposit Daily Interface File (opt.) Format 8.4	Input	Disk	Sequential	232
ANDINF	Deposit Daily Interface File (opt.) Format 8.5/8.6	Input	Disk	Sequential	314
ANDINZ	Deposit Daily Interface File	Output	Disk	Sequential	232

Note: ANDINZ supports the most current release of Account Analysis.

Reports None

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 04	1	Convert 5.0 option. Valid entries are: N Do not convert ANDIND. Y Convert ANDIND.
05 – 05	1	Convert 6.0 option. Valid entries are: N Do not convert ANDINC. Y Convert ANDINC.
06 – 06	1	Convert 8.0 or 8.1 option. Valid entries are: N Do not convert ANDINB. Y Convert ANDINB.
07 – 07	1	Convert 8.2 or 8.3 option. Valid entries are: N Do not convert ANDINA. Y Convert ANDINA.
08 – 08	1	Convert 8.4 option. Valid entries are: N Do not convert ANDINE. Y Convert ANDINE.
09 – 09	1	Convert 8.5 or 8.6 option. Valid entries are: N Do not convert ANDINZ. Y Convert ANDINZ.
10 – 80	71	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Convert 5.0 option on the control card is invalid.
0004	Convert 6.0 option on the control card is invalid.
0005	Convert 8.0 option on the control card is invalid.
0006	Convert 8.2 option on the control card is invalid.
0007	Convert 8.4 option on the control card is invalid.
0010	Control card specifies multiple conversions.
0011	Invalid data on 8.5 dataset.

Code	Description
0012	Invalid data on 8.4 dataset.
0013	Invalid data on 8.2 or 8.3 dataset.
0014	Invalid data on 8.1 dataset.
0015	Invalid data on 6.0 dataset.
0016	Invalid data on 5.0 dataset.
0017-0018	Dataset ANDINZ is full.

Rerun Procedures

If the program aborts, correct the error and run the job exactly as before.

AND010 – Deposit Application System Interface

Purpose This program reads the Deposit Daily Interface File and creates new and maintenance input to AND040 (Maintenance Input). Transactions are also created for the capture program (AND100). The transactions are interfaced as they are defined on MICM Record 6008. In addition, this program includes an optional control card that determines whether a detail listing of rejected transactions is produced on the 06-980 report.

Note: A rejected transaction is a type 01 record with an external/internal transaction code that does not have a matching MICM 6008 Record.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6008	M08	MI6008-RECORD	Analysis Transaction Interface Control Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANDINZ	Deposit Daily Interface File	Input	Disk	Sequential	314
ANDSKM	Disk Maintenance Input File	Output	Disk	Sequential	200

Name	Description	Opened	Media	Access Mode	Record Length
ANDSKX	Capture Input Disk File	Output	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-980 – Interface Rejects

Control Card The control card is optional and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 03	1	Rejected transaction print option. Valid entries are: N Do not list rejected transactions. Y List rejected transactions.
03 – 80	77	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	Institution 0000 not found on BNK.
0002	Invalid return from sort.
0003	Record code on Deposit Daily Interface File not valid.
0004	Invalid application code.
0005	READ failed on GMS.
0006	Invalid application code.
0007	READ failed on GMS.
0008	READ failed on DHT.
0009	READ failed on GHT.
0010	READ failed on DMS and GMS.
0011	Invalid application code.
0012	ACCOUNT-EDIT READ failed.
0013	READ failed on DHT.
0014	READ failed on GHT.
0010	NOT FOUND on MICM Record 6000.

Code	Description
0011	READ failed on MICM Record 6000.
0012	No MICM 0211 records loaded into the application table.
0013	Invalid application code.
0014	READ failed on MICM Record 1001.
0015	READ failed on MICM Record 6008.
0016	READ NEXT failed on MICM Record 6008.
0017	Invalid return from INITILIZE TABLE1 Table – ANB886.
0018	Invalid return from FREE TABLE1 Table – ANB886.
0019	Invalid return from EXPAND TABLE1 Table – ANB886.
0020	Invalid return from INITILIZE TABLE2 Table – ANB886.
0021	Invalid return from FREE TABLE2 Table – ANB886.
0022	Invalid return from EXPAND TABLE2 Table – ANB886.
0023	Invalid key on ANDSKM.
0024	Invalid key on ANDSKX.
0026	GETMAIN failed on MICM Record 6008 – Table 1.
0027	FREEMAIN failed on MICM Record 6008 – Table 1.
0028	Dynamic expansion failed on MICM Record 6008 – Table 1.
0029	GETMAIN failed on MICM Record 6008 – Table 2.
0030	FREEMAIN failed on MICM Record 6008 – Table 2.
0031	Dynamic expansion failed on MICM Record 6008 – Table 2.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND020 – Institution Control File Update

Purpose

This program has two functions. The first is maintenance of the Institution Control Record. New records can be added to the file and changes can be made to certain fields in the records. Institutions can also be deleted from the record. This program is used when converting additional institutions to Account Analysis. Changes to existing banks are processed first. After the maintenance is done, the new banks are inserted in the files. The input *must* be submitted in this order.

The second function is to update automatically the system date and the other dates necessary for processing the system. While this function is being performed, each Institution Control Record is updated based on the system holidays and the institution's holidays from the MICM Master File. Then, each bank is scheduled for the next processing day.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	M1006-RECORD	Error Message Information Record
2021	M21	MI2021-RECORD	Institution Holidays Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDB	Institution Control Input File	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-906 – Institution Control File Maintenance
 06-907 – Institution Control File Update

Control Card A control card is required if the current date is going to be different from the system date on the computer or the program aborts. The control card is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number. Valid entry is 0000 .
07 – 22	16	Not used.
23 – 24	2	Form number. Valid entry is 04 .
25 – 26	2	Valid entry is 00 .
27 – 34	8	Date option. Current date after BNK update, unless there is an X in column 66. Format is MMDDYYYY.
35 – 65	31	Not used.
66 – 66	1	Valid entry is X , indicating to bypass the date check.
67 – 80	14	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 on BNK.
0002	Institution 0000 not found on BNK.
0003	READ failed on BNK.
0004	Date option on control card is invalid.
0005	READ failed on BNK.
0006	READ NEXT failed on BNK.
0007	BNK Institution 0000 current date does not match system date.
0008	ADD failed on BNK.
0009	REWRITE failed on BNK.
0010	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, do the following.

1. Reload the Institution Control Record from the previous day's backup.
2. Correct the error.
3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND035 – Analysis Online Maintenance Report File Build

Purpose This program reads the Log Record (LOG) and generates report records on ANRPTO for input to the Analysis Online Maintenance Report Print program (AND036).

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
LOG	ANLOG-RECORD	Log Record
PAW	ANPAW-RECORD	Promotional Waive Record
TRD	ANTRD-RECORD	Transaction Description Record
XRC	ANXRC-RECORD	Cross-Reference Chain Record
XRD	ANXRD-RECORD	Cross-Reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	I/O	Disk	Random	Variable
ANSORT	Sort Work File	I/O	Disk	Sequential	Variable

Name	Description	Opened	Media	Access Mode	Record Length
ANTEMP	Temporary Work File	I/O	Disk	Sequential	828
ANGLT1	General Ledger Today File 1	Output	Disk	Sequential	320
ANRPTO	Online Reports File	Output	Disk	Sequential	828

Reports

The records for the following reports are printed by AND350:

- 06-005 – Deleted Accounts Report
- 06-006 – Status Change Report
- 06-007 – New Accounts Report
- 06-008 – Closed Accounts Report
- 06-009 – Purged Accounts Report
- 06-010 – Dormant Accounts Report
- 06-012 – Auditors Report
- 06-015 – Transaction Journal
- 06-065 – Activity Recap Report
- 06-077 – Promotional Waive Exceptions

The records for the following reports are printed by AND036:

- 06-071 – Online Statement Message Maintenance Journal
- 06-072 – Online Transaction Journal
- 06-073 – Online Maintenance Journal
- 06-074 – Online Waived Service Charge Journal
- 06-075 – Online Recurring Transaction Report
- 06-076 – Online Payment Journal
- 06-079 – Online Promotional Waive Maintenance Journal

Control Card

The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 04	1	Online Transaction Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.

Columns	Size	Description
05 – 06	2	Online Transaction Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
07 – 07	1	Not used.
08 – 08	1	Online Maintenance Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.
09 – 10	2	Online Maintenance Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
11 – 11	1	Not used.
12 – 12	1	Online Waived Service Charge Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.
13 – 14	2	Online Waived Service Charge Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
15 – 15	1	Not used.
16 – 16	1	Online Recurring Transaction Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.
17 – 18	2	Online Recurring Transaction Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
19 – 19	1	Not used.

Columns	Size	Description
20 – 20	1	Online Payment Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.
21 – 22	2	Online Payment Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
23 – 23	1	Online Transaction Journal sort. Valid entry is Y , indicating change the sort sequence to operator, time/date, and account.
24 – 24	1	Online Promotional Waive Maintenance Journal print/fiche code. Valid entries are: 1 Do not print report. 4 Print report. 5 Print report and send to fiche. 6 Send to fiche.
25 – 26	2	Online Promotional Waive Maintenance Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
27 – 27	1	Online Transaction Journal sort. Valid entries are: N Sort by operator/time/date stamp. Y Sort by account/operator.
28 – 28	1	Not used.
29 – 29	1	Online Statement Message Maintenance Journal print/fiche code. Valid entries are: 0 Do not print report. 1 Print report. 2 Print report and send to fiche. 3 Send to fiche.
30 – 31	2	Online Statement Message Maintenance Journal form code. Valid entries are: b Reports print to PRINTR. A-J Reports print to printers A – J. K Reports are printed on disk (PRINTK).
32 – 80	49	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 on ANRPTO.
0002	READ failed on MICM Record 1001.
0003	READ failed on MICM Record2018.
0004	READ failed on BNK.
0005	Invalid return from sort.
0006	CLOSE failed on ANRPTO.
0007	GLOBAL CLOSE failed.
0008	Control card is missing.
0009	Application number on the control card is not valid.
0010	Online Transaction Journal print/fiche code on the control card is not valid.
0011	Online Maintenance Journal print/fiche code on the control card is not valid.
0012	Online Waived Service Charge Journal print/fiche code on the control card is not valid
0013	Online Recurring Transaction Journal print/fiche code on the control card is not valid.
0014	Online Payment Journal print/fiche code on the control card is not valid.
0015	Online Statement Message Maintenance print/fiche code on the control card is not valid
0016	Invalid return from INITIALIZE Relationship Table – ANB886.
0017	Invalid return from INITIALIZE Ultimate Group Table – ANB886.
0018	Invalid return from INITIALIZE 1-up Table – ANB886.
0019	Invalid return from INITIALIZE 1-Down Table – ANB886.
0020	READ failed on call to MIB700 Log Retrieval Error.
0021	READ failed on BNK.
0022	READ failed on MICM Record 1001.
0023	LOAD of CIFAPPLTABLE failed (MICM Record 0211).
0024	READ failed on MICM Record 2018.
0025	READ failed on MICM Record 6000.
0026	WRITE failed on ANRPTO.

Code	Description
0027-0031	READ failed on XRC.
0032	WRITE failed on RPT.
0033	READ failed on MICM Record 2018.
0034	WRITE fail on ANRPTO.
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.

Trace Codes	Copybook
1000-1299	ANP010
1300-1399	ANP013
1400-1419	ANP014
1420-1499	ANP014L
1700-1799	ANP011
1800-1899	ANP018
1900-1999	ANP019
2000-2049	ANP200
2050-2059	ANP205
2060-2099	ANP206
2100-2149	ANP202
2150-2199	ANP036

Rerun Procedures If the program aborts, correct the error and run the job exactly as before. If you require assistance, contact the Analysis programmer.

AND036 – Analysis Online Maintenance Report Print

Purpose This program reads and sorts the online maintenance report records written by AND035 and prints the maintenance reports.

API MICM Records

Record	Ext Record Code	Name	Description
0020	M50	MI0020-RECORD	Holding Company Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDM	Control Card	Input	Card	Sequential	80
ANRPTO	Online Reports File	Input	Disk	Sequential	828
ANRPTS	Reports File	Output	Disk	Random	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-071 – Online Statement Message Maintenance Journal
 06-072 – Online Transaction Journal
 06-073 – Online Maintenance Journal
 06-074 – Online Waived Service Charge Journal
 06-075 – Online Recurring Transaction Report
 06-076 – Online Payment Journal
 06-079 – Online Promotional Waive Maintenance Journal

Control Card

The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print holding company option. Valid entries are: N Do not print. Y Print.
04 – 80	77	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 on ANRPTO.																										
0002	READ failed on MICM Record 1001.																										
0003	READ NEXT failed on ANRPTO.																										
0004	Table limit exceeded (40 occurrences).																										
0005	Table limit exceeded (WS-SCURNSUB-MAX).																										
0006	READ failed on MICM Record 1001.																										
0007	READ failed on MICM Record 0020.																										
0008	READ failed on MICM Record 6000.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr> <td>1000-1299</td> <td>ANP010</td> </tr> <tr> <td>1300-1399</td> <td>ANP013</td> </tr> <tr> <td>1400-1419</td> <td>ANP014</td> </tr> <tr> <td>1420-1499</td> <td>ANP014L</td> </tr> <tr> <td>1700-1799</td> <td>ANP011</td> </tr> <tr> <td>1800-1899</td> <td>ANP018</td> </tr> <tr> <td>1900-1999</td> <td>ANP019</td> </tr> <tr> <td>2000-2049</td> <td>ANP200</td> </tr> <tr> <td>2050-2059</td> <td>ANP205</td> </tr> <tr> <td>2060-2099</td> <td>ANP206</td> </tr> <tr> <td>2100-2150</td> <td>ANP202</td> </tr> <tr> <td>2150-2199</td> <td>ANP036</td> </tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2150	ANP202	2150-2199	ANP036
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1420-1499	ANP014L																										
1700-1799	ANP011																										
1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2150	ANP202																										
2150-2199	ANP036																										

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND037 – Maintenance History Daily File Create

Purpose

This program reads the Account Analysis and MICM Log files and creates the Maintenance History Daily File with data from all Analysis MICM records as well as the following Analysis API records and MICM records.

Record	Description
BAJ	Balance Adjustment Record
COM	Customer Comments Record
DHT	Deposit History Record
DLB	Daily Balance Record
DMS	Deposit Master Record
EXC	Exception Rate Record
GHT	Group History Record
GMS	Group Master Record
MSG	Statement Message Record
PAW	Promotional Waive Record
PAY	Payment History Record
PRO	Promotional Waive Parameters Record
RET	Recurring Transaction Record
RPC	Repricing Request Record
SPH	Standard Pricing Hierarchy Record
TRN	Transaction Record
WSC	Service Charge Waive Information Record
XRL	Relational Customers Record
0020	Holding Company Number Record
0021	Region Information Record
0242	Employee Information Record
0248	Cost Center Information Record
0980	Customer Name and Address Record
0984	Application Alternate Name and Address
1003	Type Information Record
2001	Branch Information Record

Record	Description
2007	Application Schedule Report Options Record
2018	Currency Information Record
2020	Currency Exchange Rates Record

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0980	M98	MI0980-RECORD	Customer Name and Address Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2017	M17	MI2017-RECORD	Maintenance History Parameters Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000 series		Analysis MICM records.	

API Application Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comment Record

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
LOG	ANLOG-RECORD	Log Record
MSG	ANMSG-RECORD	Statement Message Record
PAW	ANPAW-RECORD	Promotional Waive Record
PAX	ANPAX-RECORD	Institution Control Record
PAY	ANPAY-RECORD	Payment History Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
RET	ANRET-RECORD	Recurring Transaction Record
RPC	ANRPC-RECORD	Repricing Request Record
SPH	ANSPH-RECORD	Statement Pricing Hierarchy Record
TRN	ANTRN-RECORD	Transaction Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
MILOGS	MICM Log File	Input	Disk	Sequential	Variable
ANMHST	Maintenance History Daily File	Output	Disk	Sequential	415

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	GLOBAL CLOSE failed.
0002	READ failed on call to MIB700. Log retrieval error.
0003	READ failed on BNK, institution.
0004	Record not found on MICM Record 1001.
0005	Load of CIFAPPLTABLE failed.
0006	READ failed on MICM Record 2018.
0007	READ failed on MICM Record 6000.
0008	READ/READ NEXT failed on MICM Record 2018.

Rerun Procedures Correct the error and run the job exactly as before.

AND040 - Maintenance Input

Purpose This program reads the Maintenance Input files which may include new accounts, account maintenance, history data, balance maintenance, and transaction deletions. Input is entered on Account Analysis forms 20, 21,23, 24, 26, 30, 31, 34, 35, 40, 41, 50, 51, 60, and 61. The input is sorted into Deposit and Group master sequence. The Maintenance files can be on cards, disk, and/or tape depending on the option selected on the control card. If the control card is not present, it is assumed that the maintenance input is on cards.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDM	Card Maintenance Input File	Input	Card	Sequential	80
ANTAPM	Tape Maintenance Input File (opt.)	Input	Tape	Sequential	114
ANDSKM	Disk Maintenance Input File (opt.)	Input	Disk	Sequential	200
ANDSKN	Disk Maintenance Input File 2 (opt.)	Input	Disk	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANMNTS	Sorted Maintenance Input File	Output	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-909 - Maintenance Input

Control Card

A control card is required when there is no input data, and it must precede all other data cards. The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Card type. Valid entry is *.
04 – 04	1	Disk option. Valid entries are 0 – 2 , indicating the number of disk files to be used. 1 Read Disk Maintenance Input File only. 2 Read Disk Maintenance Input File, then ANDSKN. (Specify one disk and concatenate them to Disk Maintenance Input File.)
05 – 05	1	Tape option. Valid entries are 0 – 9 , indicating the number of tapes to be used. (Specify one tape and concatenate them.)
06 – 06	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
07 – 80	74	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	Invalid return from sort.
0002	READ failed on BNK.
0003	READ failed on MICM Record 1001.
0004	Control card file processing error.
0005	Card type on the control card is invalid.
0006	Application number on the control card is invalid.
0007	Disk option on the control card is invalid.
0008	Tape option on the control card is invalid.
0009	Print/Fiche code on the control card is invalid.
0010	Card type on the control card is invalid.
0011	No input control cards found.
0012	Application number on the control card is invalid.
0013-0014	WRITE failed on ANMNTS.

Code	Description
0015	WRITE failed on ANMNTS.
0016	CLOSE failed on MICM.
0017	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND060 – Maintenance Edit

Purpose This program edits the Maintenance Input File (sorted in AND040) against the Deposit and Group Master records, the Transaction Record, the Balance Adjustment Record, and the Deposit and Group History records. Any reference to new group and deposit accounts is verified by reading the Sorted Hold New File. This prevents input from being rejected because a new group account tied to a new deposit account could not be found. Since the Sorted Hold New File is created every day, it must be deleted and redefined prior to the execution of AND060. (Maintenance on new accounts can be processed at the same time.) In addition, the Hold Cross-reference File is input to AND060 as a temporary file to monitor master Group processing.

New accounts and new history data are each edited as a card set. Errors cause a card or card set to reject. All fields in a set of cards are edited, even after an error is found. Report 06-910 (New and Maintenance Input Edit) shows all input or only input with errors, according to the option selected for this report on MICM Record 6000. Each error detected is noted on this report. Error-free cards or card sets are written to the Edit File, except the balance maintenance, which is written to the Cycle Maintenance File.

This program also calls the Account-to-charge user exit module, ANB060, to validate the Account-to-charge Account Number in relation to the Account-to-charge Institution and Application. If the Account-to-charge Account Number is invalid or an error is encountered by ANB060, the error is reported by AND060 and the applicable error information is shown on 06-910 (New and Maintenance Input Edit).

In addition, this program creates balance maintenance for the Group accounts from the Deposit accounts if the accounts are specified for daily updating. Any Deposit account that did not have balance maintenance that day still generates balance maintenance for its Group accounts using its current ledger and current collected balances on the master.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record

Record	Ext Record Code	Name	Description
2006	M06	MI2006-RECORD	Account Verification Formulas Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
2022	M22	MI2022-RECORD	Language Table Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Rate Base Parameters Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
DXC	ANDXC-RECORD	Daily Cross-reference Chain Record
DXD	ANDXD-RECORD	Daily Cross-reference Data Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
RCV	ANRCV-RECORD	Receivable Record
SPH	ANSPH-RECORD	Statement Pricing Hierarchy Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANHNEW	Hold New File	Input	Disk	Random	135
ANMNTS	Sorted Maintenance Input File	Input	Disk	Sequential	200
ANEDSORT	Form Sort File	I/O	Disk	Sequential	249
ANCMN1	Cycle Maintenance Input File	Output	Disk	Sequential	200
ANEDIT	Edited Maintenance Input File	Output	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-910 – New and Maintenance Input Edit

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	Institution 0000 not found on BNK.
0002	READ failed on MICM Record 1001.
0003	OPEN failed on ANHNEW.
0004	CLOSE failed on ANHNEW.
0005	OPEN failed on ANHNEW.
0006	Invalid return from INITIALIZE Relationship Table – ANB886.
0007	Invalid return from INITIALIZE Ultimate Group Table – ANB886.
0008	Invalid return from INITIALIZE 1-Up Table – ANB886.
0009	Invalid return from INITIALIZE 1-Down Table – ANB886.
0010	WRITE failed on EDSORT.
0011	READ failed on EXC.
0012	Invalid return code from GET-RELATIONSHIP-INFO (GXH).
0013	Invalid return code from GET-RELATIONSHIP-INFO (GX).
0014	Relationship Leg not found.
0015-0016	WRITE failed on EDSORT.
0017	READ failed on GMS.
0018	WRITE failed on EDSORT.
0019	READ failed on DLB.
0020	WRITE failed on CMN1.
0021-0022	WRITE failed on HNEW.
0023	Invalid return from INITIALIZE LEG Table – ANB886.
0024	Invalid return from FREE LEG Table – ANB886.
0025	Invalid return from EXPAND LEG Table – ANB886.
0026	READ/READ NEXT failed on MICM Record 6028.
0027	Invalid return from INITIALIZE Waive Table – ANB886.
0028	Invalid return from FREE Waive Table – ANB886.
0029	Invalid return from EXPAND Waive Table – ANB886.
0030	BROWSE failed on DMS.
0031	READ failed on MICM Record 1001.
0032	READ failed on MICM Record 0211.

Code	Description
0033	READ failed on MICM Record 6000.
0034	READ failed on RCV.
0035	READ failed on GMS.
0036	READ NEXT failed on DMS.
0037	READ failed on DMS.
0038	Invalid return code from GET-RELATIONSHIP-INFO (EH).
0039	Invalid return code from GET-RELATIONSHIP-INFO (E).
0040	Invalid return code from GET-RELATIONSHIP-INFO (LH).
0041	Invalid return code from GET-RELATIONSHIP-INFO (L).
0042	Invalid return code from GET-RELATIONSHIP-INFO (AXH).
0043	Invalid return code from GET-RELATIONSHIP-INFO (AX).
0044	READ failed on GMS.
0045	READ NEXT failed on DMS.
0046	READ failed on HNEW.
0047	BROWSE failed on DMS.
0048	READ NEXT failed on DMS.
0049	READ failed on DMS.
0050	READ failed on GMS.
0051	READ failed on DHT.
0052-0053	READ failed on HNEW.
0054	READ failed on GHT.
0055	READ failed on DHT.
0056	READ failed on HNEW.
0057	BROWSE failed on TRN.
0058	READ NEXT failed on TRN.
0059	READ failed on DHT.
0060	READ failed on GHT.
0061-0062	WRITE failed on EDSORT.
0063	Invalid record code from HNEW.
0064	BROWSE failed on DHT.
0065	BROWSE failed on GHT.
0066	READ failed on GHT.

Code	Description
0067	READ failed on DHT.
0068	BROWSE failed on BAJ.
0069	READ NEXT failed on BAJ.
0070	READ failed on DMS.
0071	READ failed on GMS.
0072	READ failed on DMS.
0073	READ failed on GMS.
0074	WRITE failed on HNEW.
0075	START BROWSE failed on GHT.
0076	READ NEXT failed on GHT.
0077	WRITE failed on HNEW.
0078	START BROWSE failed on DHT.
0079	READ NEXT failed on DHT.
0080	WRITE failed on HNEW.
0081	READ failed on DMS.
0082	READ failed on GMS.
0083	READ failed on DMS.
0084	READ failed on GMS.
0085	READ failed on DMS.
0086	READ failed on HNEW.
0087	READ failed on DHT.
0088	READ failed on GMS.
0089	READ failed on HNEW.
0090	READ failed on GHT.
0091-0092	WRITE failed on DXC.
0093	READ failed on XRC.
0094-0095	WRITE failed on DXC.
0096-0097	READ failed on XRC.
0098	WRITE failed on DXC.
0099	DELETE failed on DXC.
0100	WRITE failed on DXC.
0101	DELETE failed on DXC.

Code	Description
0102	WRITE failed on DXC.
0103	DELETE failed on DXD.
0104	DELETE failed on DXC.
0105	READ failed on XRD.
0106-0108	WRITE failed on DXD.
0109	READ failed on DXD.
0110-0111	WRITE failed on DXD.
0112	BROWSE failed on DXD.
0113	READ failed on XRC.
0114	WRITE failed on DXC.
0115	READ failed on XRD.
0116	WRITE failed on DXD.
0117	BROWSE failed on DXC.
0018	READ NEXT failed on DXC.
0119	Invalid return from INITIALIZE DXC Table – ANB886.
0120	Invalid return from FREE DXC Table – ANB886.
0121	Invalid return from EXPAND DXC Table – ANB886.
0122	BROWSE failed on DXD.
0123	READ NEXT failed on DXD.
0124	Invalid return from INITIALIZE DXD Table – ANB886.
0125	Invalid return from FREE DXD Table – ANB886.
0126	Invalid return from EXPAND DXD Table – ANB886.
0127	READ failed on GMS.
0128	READ failed on HNEW.
0129	READ failed on GHT.
0130	READ failed on HNEW.
0131-0132	WRITE failed on HNEW.
0133	BROWSE failed on GHT.
0134	BROWSE failed on DHT.
0135	READ NEXT failed on MICM Record 1001.
0136	Table variable exceeded (WS-SUBX).
0137	READ failed on MICM Record 1001.

Code	Description																										
0138	Invalid return from Sort.																										
0139	Invalid return from CLOSE on HNEW.																										
0140	GLOBAL CLOSE failed on BNK.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table border="1"> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr> <td>1000-1299</td> <td>ANP010</td> </tr> <tr> <td>1300-1399</td> <td>ANP013</td> </tr> <tr> <td>1400-1419</td> <td>ANP014</td> </tr> <tr> <td>1420-1499</td> <td>ANP014L</td> </tr> <tr> <td>1700-1799</td> <td>ANP011</td> </tr> <tr> <td>1800-1899</td> <td>ANP018</td> </tr> <tr> <td>1900-1999</td> <td>ANP019</td> </tr> <tr> <td>2000-2049</td> <td>ANP200</td> </tr> <tr> <td>2050-2059</td> <td>ANP205</td> </tr> <tr> <td>2060-2099</td> <td>ANP206</td> </tr> <tr> <td>2100-2151</td> <td>ANP202</td> </tr> <tr> <td>2150-2199</td> <td>ANP036</td> </tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2151	ANP202	2150-2199	ANP036
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1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2151	ANP202																										
2150-2199	ANP036																										
7100-7102	READ failed from MICM 6015/6016 Record.																										

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND080 – Maintenance Update

Purpose This program updates the following records.

- Deposit Master Record
- Deposit History Record
- Exception Rate Record
- Group Master Record
- Group History Record
- History Change Demographic Record
- Transaction Record
- Transaction Description Record
- Receivable Record
- Profile Account Cross-reference Record
- Relational Customers Record
- Daily Explicit Charges Record
- Balance Adjustment Record
- Payment History Record
- Promotional Waive Record
- Receivable Record
- Tax Summary Record
- Tax Write-off Detail Record
- Tax Write-off Summary Record
- Cross-reference Chain Record
- Cross-reference Data Record

In addition, the Daily Balance Record is updated when balance adjustments (Form 35) are entered for accounts using the daily balance file option.

Maintenance from AND060 is randomly processed against these files. Group maintenance is processed first, followed by deposits. Daily accounting reports are then initiated by this program.

API MICM Records

Record	Ext Record Code	Name	Description
0237	M60	MI0237-RECORD	Program Interface Parameters Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
2022	M22 (MI)	MI2022-RECORD	Valid Language Codes Table Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

Record	Ext Record Code	Name	Description
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6022	M22 (AN)	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6031	M31	MI6031-RECORD	Analysis Profile Default Parameter Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DEX	ANDEX-RECORD	Daily Explicit Charges Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
HCD	ANHCD-RECORD	History Change Demographic Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAW	ANPAW-RECORD	Promotional Waive Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record

Ext Record Code	Name	Description
PAY	ANPAY-RECORD	Payment History Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
RCV	ANRCV-RECORD	Receivable Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
TXW	ANTXW-RECORD	Tax Write-off Detail Record
TXZ	ANTXZ-RECORD	Tax Write-off Summary Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANEDIT	Edited Maintenance Input File	Input	Disk	Sequential	200
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANCMN2	Cycle Maintenance Input File	Output	Disk	Sequential	200
ANRPTS	Reports File	Output	Disk	Random	Variable

Reports

The records for the following reports are printed by AND350.

06-001 – Maintenance Journal
 06-004 – Group Exception Report
 06-005 – Deleted Accounts Report
 06-006 – Status Change Report
 06-007 – New Accounts Report
 06-008 – Closed Accounts Report
 06-009 – Purged Accounts Report
 06-010 – Dormant Accounts Report
 06-012 – Auditors Report

06-015 – Transaction Journal
 06-065 – Activity Recap Report
 06-077 – Promotional Waive Exceptions

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	READ failed on BNK.
0002	READ failed on CHK.
0003	WRITE failed on CHK.
0004	COMMIT failed on BNK.
0005	READ NEXT failed on ORG.
0006	Institution zero record not found.
0007-0010	GET STORAGE failed in ANB886.
0011	Invalid ANEDIT – Form/Card Number.
0012-0013	READ failed on GMS.
0014	ORG table overflow for GMS ORGID
0015	READ failed on GMS.
0016-0017	WRITE failed on GMS.
0018	WRITE failed on EXC.
0019	ORG table overflow for DMS ORGID.
0020	READ failed on DMS.
0021-0022	WRITE failed on DMS.
0023-0024	WRITE failed on EXC.
0025	READ failed on GMS.
0026	READ failed on DMS.
0027	Invalid ANEDIT – Form/Card Number.
0028-0029	ADD failed on PAX.
0030	READ failed on DMS.
0031	READ failed on DHT.
0032	READ failed on GMS.
0033	WRITE failed on GMS.
0034	READ failed on GHT.

Code	Description
0035	WRITE failed on GHT.
0036	READ failed on GMS.
0037	WRITE/ADD failed on GHT.
0038	READ failed on DMS.
0039	READ failed on DHT.
0040	DELETE failed on PAX.
0041	ADD failed on PAX.
0042	DELETE failed on PAX.
0043	READ failed on PAX.
0044	ADD failed on PAX.
0045	DELETE failed on PAX.
0046	READ failed on PAX.
0047-0048	ADD failed on PAX.
0049	WRITE/ADD failed on DHT.
0050	DELETE failed on PAX.
0051-0052	ADD failed on PAX.
0053	DELETE failed on PAX.
0054	READ failed on PAX.
0055	ADD failed on PAX.
0056	ADD failed on XRL.
0057	BROWSE failed on XRL.
0058	Account not found on XRL.
0059	DELETE failed on XRL.
0060	WRITE failed on GHT.
0061	WRITE failed on DHT
0062	DELETE failed on DHT.
0063	WRITE failed on DHT.
0064	READ failed on DHT.
0065	READ failed on GMS.
0066	READ failed on GHT.
0067	BROWSE failed on DHT.
0068	BROWSE failed on GHT.

Code	Description
0069	READ failed on GMS.
0070	WRITE/ADD failed on GHT.
0071	WRITE failed on GMS.
0072	Group report table size exceeded.
0073	READ failed on RCV.
0074	ADD failed on RCV.
0075	READ failed on DLB.
0076	ADD/REWRITE failed on DLB.
0077	READ failed on DLB.
0078	Account not found on GMS.
0079	ADD/REWRITE failed on DLB.
0080	READ failed on DLB.
0081	REWRITE failed on DHT.
0082	READ failed on GMS.
0083	READ failed on GHT.
0084	READ failed on GMS.
0085	READ failed on DLB.
0086	REWRITE failed on GHT.
0087	REWRITE failed on GMS.
0088	Error occurred in the INITIALIZE-DAILYBALANCE routine. Possible date problem in the DLB record.
0089	ADD failed on BAJ.
0090	REWRITE failed on GMS.
0091	READ failed on GMS.
0092	READ failed on GHT.
0093	GHT not found.
0094	READ failed on GHT.
0095	Invalid ANEDIT – Form/Card Number.
0096	GHT not found.
0097	READ failed on GHT.
0098-0099	READ FOR UPDATE failed on TRN.
0100	DELETE failed on TRN.

Code	Description
0101	REWRITE failed on DHT.
0102	REWRITE failed on GHT.
0103	DELETE failed on TRD.
0104	READ failed on DEX.
0105	ADD failed on DEX.
0106	REWRITE failed on DEX.
0107	Group not found on TRN.
0108	GETNEXT FOR UPDATE failed on TRN.
0109	DELETE failed on TRN.
0110	ADD failed on TRN.
0111	BROWSE failed on TXD.
0112	DELETE failed on TXD.
0113	BROWSE failed on TXS.
0114	DELETE failed on TXS.
0115	DELETE failed on DHT.
0116	BROWSE failed on TXD.
0117	DELETE failed on TXD.
0118	BROWSE failed on TXS.
0119	DELETE failed on TXS.
0120	DELETE failed on GHT.
0121	GETNEXT failed on BNK.
0122	MICM Record 6000 not found.
0123-0124	MICM Record 0237 not found.
0125-0126	READ failed on HCD.
0127	ADD failed on HCD.
0128	Error returned from interface program specified on MICM Record 0237.
0129	ADD failed on BAJ.
0130	INVALID KEY on ANCMN2.
0131	INVALID KEY on ANRPTS.
0132	Pricing records missing.
0133	Invalid ANEDIT – Form/Card Number.

Code	Description
0134	Invalid ANEDIT – Form/Card Number.
0135	READ failed on PAY.
0136	ADD failed on PAY.
0137	DELETE failed on PAY.
0138	READ failed on RCV.
0139	ADD failed on RCV.
0140	DELETE failed on RCV.
0141	BROWSE failed on TRN.
0142	ADD failed on TRN.
0143	DELETE failed on TRN.
0144	BROWSE failed on DHT.
0145	DELETE failed on DHT.
0146	ADD failed on DHT.
0147	BROWSE failed on GHT.
0148	DELETE failed on GHT.
0149	ADD failed on GHT.
0150	DELETE failed on DMS.
0151	ADD failed on DMS.
0152	DELETE failed on GMS.
0153	ADD failed on GMS.
0154	BROWSE failed on TXD.
0155	DELETE failed on TXD.
0156	ADD failed on TXD.
0157	BROWSE failed on TXS.
0158	DELETE failed on TXS.
0159	ADD failed on TXS.
0160	BROWSE failed on TXW.
0161	DELETE failed on TXW.
0162	ADD failed on TXW.
0163	BROWSE failed on TXZ.
0164	DELETE failed on TXZ.
0165	ADD failed on TXZ.

Code	Description
0166	BROWSE failed on XRC.
0167	DELETE failed on XRC.
0168	ADD failed on XRC.
0169	BROWSE failed on APX.
0170-0171	DELETE failed on XRC.
0172	ADD failed on XRC.
0173	BROWSE failed on XRD.
0174	DELETE failed on XRD.
0175	ADD failed on XRD.
0176	READ failed on BNK.
0177	GLOBAL CLOSE failed.
0178	MICM Record 2001 not found.
0179	READ failed on PAW.
0180	REWRITE failed on PAW.
0181	READ FOR UPDATE failed on CHK.
0182	OPEN failed on BNK.
0183	OPEN failed on EXC.
0184	OPEN failed on DMS.
0185	OPEN failed on GMS.
0186	OPEN failed on DHT.
0187	OPEN failed on GHT.
0188	OPEN failed on PAY.
0189	OPEN failed on RCV.
0190	OPEN failed on OSB.
0191	OPEN failed on XRC.
0192	OPEN failed on XRD.
0193	OPEN failed on DLB.
0194	OPEN failed on ORG.
0195	OPEN failed on CHK.
0196	OPEN failed on DLB.
0197	REWRITE failed on CHK.
0198	GLOBAL COMMIT failed.

Code	Description
0199	Checkpoint recovery failed to initiate.
0200	Checkpoint recovery failed.
0201	REWRITE failed on CHK.
0202	MICM Record 1001 not found.
0203	MICM Record 1001 not found in search table.
0204	READ failed on RCV.
0205	REWRITE failed on RCV.
0206	READ failed on RCV.
0207	REWRITE failed on RCV.
0208-0210	Unable to locate relationship leg.
0211-0212	DELETE failed on XRC.
0213	BROWSE failed on XRC.
0214-0215	DELETE failed on XRD.
0216	READ FOR UPDATE failed on GMS.
0217	REWRITE failed on GMS.
0218	READ FOR UPDATE failed on GMS.
0219	REWRITE failed on DMS.
0220	READ FOR UPDATE failed on GHT.
0221	REWRITE failed on GHT.
0222	READ FOR UPDATE failed on DHT.
0223	REWRITE failed on DHT.
0224-0225	DELETE failed on XRC.
0226	ADD failed on XRC.
0227	BROWSE failed on XRC.
0228	READ failed on GMS.
0229	READ failed on DMS.
0230	READ failed on GHT.
0231	READ failed on DHT.
0232	READ FOR UPDATE failed on GMS.
0233	REWRITE failed on GMS.
0234	READ FOR UPDATE failed on DMS.
0235	REWRITE failed on DMS.

Code	Description
0236	READ FOR UPDATE failed on GHT.
0237	REWRITE failed on GHT.
0238	READ FOR UPDATE failed on DHT.
0239	REWRITE failed on DHT.
0240	READ failed on GMS.
0241	READ failed on DMS.
0242	READ failed on GHT.
0243	READ failed on DHT.
0244-0245	DELETE failed on XRC.
0246-0247	DELETE failed on XRD.
0248	READ FOR UPDATE failed on GMS.
0249	REWRITE failed on GMS.
0250	READ FOR UPDATE failed on GHT.
0251	REWRITE failed on GHT.
0252	READ FOR UPDATE failed on GMS.
0253	REWRITE failed on GMS.
0254	READ FOR UPDATE failed on GHT.
0255	REWRITE failed on GHT.
0256	READ FOR UPDATE failed on GMS.
0257	REWRITE failed on GMS.
0258	READ FOR UPDATE failed on GHT.
0259	REWRITE failed on GHT.
0260	READ FOR UPDATE failed on DMS.
0261	REWRITE failed on DMS.
0262	READ FOR UPDATE failed on DHT.
0263	REWRITE failed on DHT.
0264	READ failed on GMS.
0265	READ failed on GHT.
0266	DELETE failed on XRC.
0267	ADD failed on XRC.
0268	ADD failed on XRD.
0269	ADD failed on XRC.

Code	Description
0270	ADD failed on XRD.
0271	READ FOR UPDATE failed on XRD.
0272	REWRITE failed on XRD.
0273	Unable to locate relationship leg.
0274	READ FOR UPDATE failed on GMS.
0275	REWRITE failed on GMS.
0276	READ FOR UPDATE failed on DMS.
0277	REWRITE failed on DMS.
0278	READ FOR UPDATE failed on GHT.
0279	REWRITE failed on GHT.
0280	READ FOR UPDATE failed on DHT.
0281	REWRITE failed on DHT.
0282	READ FOR UPDATE failed on GMS.
0283	REWRITE failed on GMS.
0284	READ FOR UPDATE failed on DMS.
0285	REWRITE failed on DMS.
0286	READ FOR UPDATE failed on GHT.
0286	REWRITE failed on GHT.
0288	READ FOR UPDATE failed on DHT.
0289	REWRITE failed on DHT.
0290	READ FOR UPDATE failed on GMS.
0291	REWRITE failed on GMS.
0291	READ FOR UPDATE failed on DMS.
0293	REWRITE failed on DMS.
0294	READ FOR UPDATE failed on GHT.
0295	REWRITE failed on GHT.
0296	READ FOR UPDATE failed on DHT.
0297	REWRITE failed on DHT.
0298	READ FOR UPDATE failed on GMS.
0299	REWRITE failed on GMS.
0300	READ FOR UPDATE failed on DMS.
0301	REWRITE failed on DMS.

Code	Description
0302	READ FOR UPDATE failed on GHT.
0303	REWRITE failed on GHT.
0304	READ FOR UPDATE failed on DHT.
0305	REWRITE failed on DHT.
0306	Unable to locate relationship leg.
0307	READ FOR UPDATE failed on GMS.
0308	REWRITE failed on GMS.
0309	READ FOR UPDATE failed on DMS.
0310	REWRITE failed on DMS.
0311	READ FOR UPDATE failed on GHT.
0312	REWRITE failed on GHT.
0313	READ FOR UPDATE failed on DHT.
0314	REWRITE failed on DHT.
0315	Unable to locate relationship leg.
0316	READ FOR UPDATE failed on XRD.
0317	REWRITE failed on XRD.
0318	READ FOR UPDATE failed on XRD.
0319	REWRITE failed on XRD.
0320	READ FOR UPDATE failed on XRD.
0321	REWRITE failed on XRD.
0322	READ FOR UPDATE failed on XRD.
0323	REWRITE failed on XRD.
0324	GET STORAGE failed in ANB886 for leg table.
0325	FREE STORAGE failed in ANB886 for leg table.
0326	EXPAND STORAGE failed in ANB886 for leg table.
0327-0328	GET STORAGE failed in ANB886 for group table.
0329-0330	FREE STORAGE failed in ANB886 for group table.
0331-0332	EXPAND STORAGE failed in ANB886 for group table.
0333	GET STORAGE failed in ANB886 for group form 20 table.
0334	FREE STORAGE failed in ANB886 for group form 20 table.
0335	EXPAND STORAGE failed in ANB886 for group form 20 table.

Code	Description								
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.								
	<table><thead><tr><th>Trace Codes</th><th>Copybook</th></tr></thead><tbody><tr><td>1-99</td><td>AND080</td></tr><tr><td>1000-1299</td><td>ANP010</td></tr><tr><td>1700-1799</td><td>ANP011</td></tr></tbody></table>	Trace Codes	Copybook	1-99	AND080	1000-1299	ANP010	1700-1799	ANP011
Trace Codes	Copybook								
1-99	AND080								
1000-1299	ANP010								
1700-1799	ANP011								

Rerun Procedures

If the program aborts, you can:

- Use Checkpoint Restart processing; refer to the Application Processing chapter of *Procedures Guide 1* for details.

OR

- Do the following:
 1. Reload the master records (including ANMMST) from the previous day's backup.
 2. Rerun AND020, AND090, AND150, AND125, and AND126.
 3. Correct the error.
 4. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND081 – Daily Affiliate Profile Cross-reference

Purpose This program reads MICM Record 6032 sequentially and creates one APX (Affiliate Profile Cross-reference) record for each affiliate-to-profile found. The record is used to determine the profile ID for any affiliate ID.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
BNK	ANBNK-RECORD	Institution Control Record

Files

File	Description	Opened	Media	Access Mode	Record Length
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable

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 failed.
0002	READ failed on BNK.
0003	READ failed on MICM Record 6032.
0004	READ failed on BNK.
0005	READ failed on MICM Record 6000.
0006	WRITE failed on APX.

Rerun Procedures

If the program aborts, correct the problem and rerun. This is a sort program so it cannot be restarted; however, you can rerun without a restore.

AND084 – Group Transaction Pricing – Cross Organization Indicator Update

Purpose This program recursively processes the Cross-reference Data Record for all cross-organization relationships and updates the masters.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRS	ANXRS-RECORD	Cross-reference Strip Record

Files

File	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANWRK6	Temporary Work Files 6	I/O	Disk	Sequential	25

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	GLOBAL CLOSE failed.
0002	BROWSE failed on XRS.
0003	READ failed on GMS.
0004	WRITE failed on GMS
0005	READ failed on DMS.
0006	WRITE failed on DMS.
0007	SORT failed.

Code	Description
0008	Program has looped in excess of 40 times.
0009	READ/UPDATE failed on GMS.
0010	WRITE failed on GMS.
0011	READ/UPDATE failed on DMS.
0012	WRITE failed on DMS.
0013	READ failed on XRD.
0014	WRITE failed on XRD.
0015	WRITE failed on ANWRK6.

Rerun Procedures

If the program aborts, correct the problem and rerun. This is a sort program so it cannot be restarted; however, you can rerun without a restore.

AND085 – Daily Service Splitter Module

Purpose This program splits transaction output from AND095 and AND010 into sequential files by organization.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

Files

File	Description	Opened	Media	Access Mode	Record Length
ANDSKX	Input Transaction File	Input	Disk	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANWRK7	Temporary Work 7	I/O	Disk	Sequential	234
ANDSKX (Suffixed by ORG A – Z, 0 – 9)	Output Transaction File	Output	Disk	Sequential	200

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 failed.
0002	Second SORT failed.
0003	Error loading WS-ORGIDTABLE.
0004	GLOBAL CLOSE failed.
0005	Sort sequence is equal to zero.

Code	Description
0007	Deposit subscript is greater than records loaded to ORG.
0008	Group subscript is greater than records loaded to ORG.
0009-0010	WRITE failed on ANWRK7.
0011	BROWSE failed on ORG.
0012	READ NEXT failed on ORG.
0013	Number of ORG Records is greater than 35.
0014	WRITE failed for Organization A.
0015	WRITE failed for Organization B.
0016	WRITE failed for Organization C.
0017	WRITE failed for Organization D.
0018	WRITE failed for Organization E.
0019	WRITE failed for Organization F.
0020	WRITE failed for Organization G.
0021	WRITE failed for Organization H.
0022	WRITE failed for Organization I.
0023	WRITE failed for Organization J.
0024	WRITE failed for Organization K.
0025	WRITE failed for Organization L.
0026	WRITE failed for Organization M.
0027	WRITE failed for Organization N.
0028	WRITE failed for Organization O.
0029	WRITE failed for Organization P.
0030	WRITE failed for Organization Q.
0031	WRITE failed for Organization R.
0032	WRITE failed for Organization S.
0033	WRITE failed for Organization T.
0034	WRITE failed for Organization U.
0035	WRITE failed for Organization V.
0036	WRITE failed for Organization W.
0037	WRITE failed for Organization X.
0038	WRITE failed for Organization Y.
0039	WRITE failed for Organization Z.

Code	Description
0040	WRITE failed for Organization 0.
0041	WRITE failed for Organization 1.
0042	WRITE failed for Organization 2.
0043	WRITE failed for Organization 3.
0044	WRITE failed for Organization 4.
0045	WRITE failed for Organization 5.
0046	WRITE failed for Organization 6.
0047	WRITE failed for Organization 7.
0048	WRITE failed for Organization 8.
0049	WRITE failed for Organization 9.
0050	Subscript greater than number of segments.

Rerun Procedures

If the program aborts, correct the problem and rerun. This is a sort program so it cannot be restarted; however, you can rerun without a restore.

AND086 – Daily Payment Transaction Splitter

Purpose This program splits transaction output from AND150.

API MICM Records None

API Application
Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

Files

File	Description	Opened	Media	Access Mode	Record Length
ANPAYE	Input Transaction File	Input	Disk	Sequential	100
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANWRK8	Temporary Work 6	I/O	Disk	Sequential	134
ANPAYE (Suffixed by ORG A – Z, 0 – 9)	Output Transaction File	Output	Disk	Sequential	100

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 failed.
0002	Second SORT failed.
0003	Error loading WS-ORGIDTABLE.
0004	GLOBAL CLOSE failed.
0005	Sort sequence is equal to zero.

Code	Description
0007	Deposit subscript is greater than records loaded to ORG.
0008	Group subscript is greater than records loaded to ORG.
0009-0010	WRITE failed on ANWRK8.
0011	BROWSE failed on ORG.
0012	READ NEXT failed on ORG.
0013	Number of ORG Records is greater than 35.
0014	Subscript greater than number of segments.
0015	WRITE failed for Organization A.
0016	WRITE failed for Organization B.
0017	WRITE failed for Organization C.
0018	WRITE failed for Organization D.
0019	WRITE failed for Organization E.
0020	WRITE failed for Organization F.
0021	WRITE failed for Organization G.
0022	WRITE failed for Organization H.
0023	WRITE failed for Organization I.
0024	WRITE failed for Organization J.
0025	WRITE failed for Organization K.
0026	WRITE failed for Organization L.
0027	WRITE failed for Organization M.
0028	WRITE failed for Organization N.
0029	WRITE failed for Organization O.
0030	WRITE failed for Organization P.
0031	WRITE failed for Organization Q.
0032	WRITE failed for Organization R.
0033	WRITE failed for Organization S.
0034	WRITE failed for Organization T.
0035	WRITE failed for Organization U.
0036	WRITE failed for Organization V.
0037	WRITE failed for Organization W.
0038	WRITE failed for Organization X.
0039	WRITE failed for Organization Y.

Code	Description
0040	WRITE failed for Organization Z.
0041	WRITE failed for Organization 0.
0042	WRITE failed for Organization 1.
0043	WRITE failed for Organization 2.
0044	WRITE failed for Organization 3.
0045	WRITE failed for Organization 4.
0046	WRITE failed for Organization 5.
0047	WRITE failed for Organization 6.
0048	WRITE failed for Organization 7.
0049	WRITE failed for Organization 8.
0050	WRITE failed for Organization 9.

Rerun Procedures

If the program aborts, correct the problem and rerun. This is a sort program so it cannot be restarted; however, you can rerun without a restore.

AND087 – Daily Balance Adjustments Splitter

Purpose This program splits adjustment output from AND060 and AND080.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

Files

File	Description	Opened	Media	Access Mode	Record Length
ANCMN1	Input Transaction File	Input	Disk	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANWRK7	Temporary Work 7	I/O	Disk	Sequential	234
ANCMN1 (Suffixed by ORG A – Z, 0 – 9)	Output Transaction File	Output	Disk	Sequential	200

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 failed.
0002	Second SORT failed.
0003	LOAD failed for ORG.
0004	GLOBAL CLOSE failed.
0005	Sort sequence is equal to zero.

Code	Description
0007	Deposit subscript is greater than records loaded to ORG.
0008	Group subscript is greater than records loaded to ORG.
0009-0010	WRITE failed on ANWRK7.
0011	BROWSE failed on ORG.
0012	READ NEXT failed on ORG.
0013	Number of ORG Records is greater than 35.
0014	WRITE failed for Organization A.
0015	WRITE failed for Organization B.
0016	WRITE failed for Organization C.
0017	WRITE failed for Organization D.
0018	WRITE failed for Organization E.
0019	WRITE failed for Organization F.
0020	WRITE failed for Organization G.
0021	WRITE failed for Organization H.
0022	WRITE failed for Organization I.
0023	WRITE failed for Organization J.
0024	WRITE failed for Organization K.
0025	WRITE failed for Organization L.
0026	WRITE failed for Organization M.
0027	WRITE failed for Organization N.
0028	WRITE failed for Organization O.
0029	WRITE failed for Organization P.
0030	WRITE failed for Organization Q.
0031	WRITE failed for Organization R.
0032	WRITE failed for Organization S.
0033	WRITE failed for Organization T.
0034	WRITE failed for Organization U.
0035	WRITE failed for Organization V.
0036	WRITE failed for Organization W.
0037	WRITE failed for Organization X.
0038	WRITE failed for Organization Y.
0040	WRITE failed for Organization 0.

Code	Description
0041	WRITE failed for Organization 1.
0042	WRITE failed for Organization 2.
0043	WRITE failed for Organization 3.
0044	WRITE failed for Organization 4.
0045	WRITE failed for Organization 5.
0046	WRITE failed for Organization 6.
0047	WRITE failed for Organization 7.
0048	WRITE failed for Organization 8.
0049	WRITE failed for Organization 9.
0050	Subscript greater than number of segments.

Rerun Procedures

If the program aborts, correct the problem and rerun. This is a sort program so it cannot be restarted; however, you can rerun without a restore.

AND090 – Recurring Transactions

Purpose

This program reads and sorts the recurring transaction input (Application Forms 70 and 71). Any recurring transaction records are added to the RET file and maintenance is performed to existing records. Report 06-908 (Recurring Transaction Edit List) is produced to show any maintenance performed to the RET file.

In a separate step, each RET Record is read and the following occurs:

- If specified, the account number is verified to determine it still exists on the master file.
- The account is checked for a closed or purged status.
- The expiration date of the record is checked.
- If the account master record is not found, the account is in a purged status, or the record has expired, the RET Record is deleted.
- Report 06-911 (Recurring Transaction File List) is produced and based on a control card option, lists all records on file or rejects only.

Then, the recurring transactions are generated for the day's processing and report 06-912 (Generated Recurring Transactions) is produced. Based on a control option, the report lists all records generated or totals only.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
LOG	ANLOG-RECORD	Log Record
RET	ANRET-RECORD	Recurring Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDR	Recurring Transaction Input File	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANTAPX	Capture Input Tape File	Output	Tape	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-908 – Recurring Transaction Edit List
 06-911 – Recurring Transaction List
 06-912 – Generated Recurring Transactions

Control Card

The control card is optional. However, if the control card is present, it must precede all other data cards. The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Control card. Valid entry is * .
04 – 04	1	Not used.
05 – 05	1	Indicates to print all records on file or rejects only on report 06-911. Valid entries are: N Print all records. Y Print rejects only.

Columns	Size	Description
06 – 06	1	Report 06-912 code. Valid entries are: N Do not print report 06-912. T Totals only report 06-912. Y Print report 06-912.
07 – 80	74	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	READ failed on BNK (Institution 0000).
0002	READ failed on MICM Record 1001.
0003	Invalid return from sort.
0004	Application number on the control card is invalid.
0005	OPEN failed on RET.
0006	READ failed on RET.
0007	READ failed on MICM Record 1001.
0008	READ failed on RET.
0009	DELETE failed on RET.
0010	ADD failed on RET.
0011	DELETE failed on RET.
0012	WRITE failed on RET.
0013	READ failed on GMS.
0014	READ NEXT failed on RET.
0015	READ failed on MICM Record 1001.
0016	Application table LOAD failed.
0017	MICM Record 6000 not found.
0018	READ failed on MICM Record 6000.
0019	READ NEXT failed on DMS.
0020	READ NEXT failed on GMS.
0021	Table limit exceeded (WS-ZASIZE).
0022	REWRITE failed on RET.
0023	No cycle record for current month.
0024	Cycle record contains invalid day of month.

Code	Description
0025	READ failed on BNK.
0026-0027	MICM Record 1001 not found.
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.

Trace Codes	Copybook
1000-1299	ANP010
1300-1399	ANP013
1400-1419	ANP014
1420-1499	ANP014L
1700-1799	ANP011
1800-1899	ANP018
1900-1999	ANP019
2000-2049	ANP200
2050-2059	ANP205
2060-2099	ANP206
2100-2152	ANP202
2150-2199	ANP036

Rerun Procedures If the program aborts, do the following.

1. Restore RET.
2. Correct the error.
3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND095 – Capture Input Sort/Accumulate

Purpose

This program can be scheduled in the daily job stream to reduce large volumes of capture input by sorting the input into the following categories:

- Institution
- Application
- Account number
- Form number
- Card number
- Price list
- Service code
- Effective date
- Cycle code
- Cycle date
- Charge code override
- Adjustment code
- Cost center
- Lockbox number
- Source codes

Then, AND095 accumulates the matching Capture records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6030	M30	MI6030-RECORD	Analysis Interface Source Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANDSKY	Capture Input File 1	Input	Disk	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANDSKX	Capture Input Disk File	Output	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-905 – Capture Balancing Report
06-916 – Preposting Edit Variance Report

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 return from sort.
0002	READ failed on BNK.
0003	READ failed on MICM Record 1001.
0004	GLOBAL CLOSE failed.
0005	Abort flag error.
0006	READ failed on MICM Record 1001.
0007	READ failed on MICM Record 6030.
0008	Table size exceeded (WS-SRCTBL-MAX).
0009	Dataset ANDSKX is full.
0010	Table size exceeded (WS-SRCTBL-MAX).

Rerun Procedures If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND100 – Capture

Purpose

This program captures service transactions (debits, credits, or free services). The transactions are input on Application Forms 10 and 11. This program can be run several times a day in order to accumulate transactions during the day. The transactions are added to the Capture File. The transactions are edited and expanded with data from the corresponding service code parameter on the MICM Record 6015 and/or MICM Record 6016. The Account Master is read to see if the account is set up for exception service code pricing, and to obtain the price list number assigned to that account if it is not present on the input. If the account is not on the Master Record, the Hold New File is read to see if the account was created that day.

Note: Program AND060 (Maintenance Edit) must be processed prior to processing AND100 to utilize the Hold New File.

In addition, AND100 provides the ability to do the following:

- Consolidate service transaction volumes for pricing purposes.
- Generate multiple service codes from one interfaced service transaction at the account level.
- Use a multiplier.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	MI20 (MI)	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record

Record	Ext Record Code	Name	Description
6020	M20 (AN)	MI6020-RECORD	Analysis Generated Services Parameter Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
LOG	ANLOG-RECORD	Log Record
ORG	ANORG-RECORD	Organization Identification Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
TRN	ANTRN-RECORD	Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDX	Capture Input Cards File	Input	Card	Sequential	80
ANDSKX	Capture Input Disk File (opt.)	Input	Disk	Sequential	200
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANCAPT	Capture File	Output	Disk	Random	560
ANRPTS	Report File	Output	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

The records for the following reports are printed by AND350:

06-077 – Promotional Waive Exceptions

06-132 – Capture Listing

Control Card

The control card is required. All data cards are inserted in the job stream after the control card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 04	2	Form number. Valid entry is 10 .
05 – 06	2	Card number. Valid entry is 99 .
07 – 09	3	Constant number. Valid entry is 000 .
10 – 10	1	Run type code. Valid entry is C .
11 – 11	1	Disk code. Valid entries are: b No input capture records on disk. X Input capture records on disk.
12 – 12	1	Not used.
13 – 20	8	Effective date of capture. Format is MMDDYYYY.
21 – 21	1	Edit only flag. Valid entry is Y , indicating that the history (DHT and GHT) is edited only and is <i>not</i> updated to reflect recalculation for effective-dated transactions. Any other value updates the history.
22 – 22	1	Not used.

Columns	Size	Description
23 – 23	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
24 – 80	57	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	READ failed on BNK.
0002	READ failed on CHK.
0003	WRITE failed on CHK.
0004	GLOBAL CLOSE failed on BNK.
0005	READ failed on MICM Record 1001.
0006	Input switch is invalid.
0007	System code on control card is invalid.
0008	Constant number on control card is invalid.
0009	Form number on control card is invalid.
0010	Disk code on control card is invalid.
0011	Tape number on control card is not numeric.
0012	Effective date on control card is not numeric.
0013	Date validation failed.
0014	OPEN failed on PAW.
0015	WSCARD01SW or WSCARD00SW error.
0016	WSCARDXXSW error.
0017	MICM Record 6023 invalid unit spec code.
0018	READ failed on TRN.
0019	WRITE failed on DHT.
0020	WRITE failed on GHT.
0021	ADD failed on DEX.
0022	WRITE failed on DEX.

Code	Description
0023	WRITE failed on ANCAPT.
0024	WRITE failed on CHK.
0025	GLOBAL CLOSE failed on BNK.
0026	Error on counts during recovery process.
0027	WRITE failed on ANCAPT during recovery process.
0028	READ failed on CHK.
0029	WRITE failed on CHK.
0030	READ failed on BNK.
0031	READ failed on MICM Record 1001.
0032	Error loading PRO tables.
0033	READ failed on MICM Record 6000.
0034	WRITE failed (invalid key) on ANRPTS.
0035	Table limit exceeded (WS-DSVCTBL-MAX).
0036	READ failed on PAW.
0037	READ failed on PRO.
0038	WRITE failed on PRO.
0039	Error occurred loading PRO.
0040-0041	ADD failed on PAW.
0042	READ failed on PAW.
0043	WRITE failed on PAW.
0044	READ failed on DEX.
0045	READ failed on GHT.
0046	READ failed on DHT.

Code	Description																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table><thead><tr><th>Trace Codes</th><th>Copybook</th></tr></thead><tbody><tr><td>1000-1299</td><td>ANP010</td></tr><tr><td>1300-1399</td><td>ANP013</td></tr><tr><td>1400-1419</td><td>ANP014</td></tr><tr><td>1420-1499</td><td>ANP014L</td></tr><tr><td>1700-1799</td><td>ANP011</td></tr><tr><td>1800-1899</td><td>ANP018</td></tr><tr><td>1900-1999</td><td>ANP019</td></tr><tr><td>2000-2049</td><td>ANP200</td></tr><tr><td>2050-2059</td><td>ANP205</td></tr><tr><td>2060-2099</td><td>ANP206</td></tr><tr><td>2100-2153</td><td>ANP202</td></tr><tr><td>2150-2199</td><td>ANP036</td></tr></tbody></table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2153	ANP202	2150-2199	ANP036
Trace Codes	Copybook																										
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1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2153	ANP202																										
2150-2199	ANP036																										

Rerun Procedures

If the program aborts, you can:

- Use Checkpoint Restart processing – Refer to the Application Processing chapter of *Procedures Guide 1* for details.

OR

- Do the following:
 1. Restore the ANCAPT File and the DEX, PAW, and PRO Records.
 2. Correct the error.
 3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND120 – Transaction Sort

Purpose This program sorts transactions that were captured and edited in AND100 and creates the Posting File, which is input to AND180 (Update). Block and batch headers are not written to the Posting File.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCAPT	Capture File	Input	Disk	Random	560
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANPOST	Posting File	Output	Disk	Sequential	Variable

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	READ failed on BNK (Institution 0000).
0002	Invalid return from sort.
0003	READ failed on BNK.
0004	Dataset ANPOST is full.
0005	GLOBAL CLOSE failed.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND125 – Transaction Repricing Processing

Purpose This program reads the Repricing Request Record (RPC) and/or MICM Record 6015/6016 repricing indicators, and reprices the Transaction Record (TRN) if a difference is found. In addition, this program updates the Reprint Request flag on the Analysis history if the transaction is not for the current cycle.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
RPC	ANRPC-RECORD	Repricing Request Record

Ext Record Code	Name	Description
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANRPTS	Reports File	Output	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-953 – Transaction Repricing List

The records for the following report are printed by AND350:

06-128 – Transaction Repricing Report

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	READ failed on BNK (Institution 0000).
0002	READ for UPDATE failed on CHK.
0003	WRITE failed on CHK.
0004	GLOBAL CLOSE failed on BNK.
0005	READ NEXT failed on BNK.
0006	READ failed on GMS.
0007	READ failed on DMS.
0008	READ NEXT failed on RPC.
0009	DELETE failed on RPC.
0010	READ failed on MICM Record 6000.
0011	READ failed on MICM Record 1001.
0012	READ failed on MICM Record 0211.
0013	Invalid return from ANB886 – initialize MICM table.
0014	Invalid return from ANB886 – free MICM table.

Code	Description
0015	Invalid return from ANB886 – expand MICM table.
0016	READ NEXT failed on MICM Record 6015.
0017	READ NEXT failed on MICM Record 6016.
0018	READ NEXT failed on TRN.
0019	READ NEXT failed on RPC.
0020	READ failed on GMS.
0021	READ failed on DMS.
0022	DELETE failed on RPC.
0023	Invalid return from ANB886 – initialize reprint table.
0024	Invalid return from ANB886 – free reprint table.
0025	Invalid return from ANB886 – expand reprint table.
0026	REWRITE failed on GHT.
0027	REWRITE failed on DHT.
0028	READ failed on GHT
0029	READ failed on DHT.
0030 - 0031	INVALID Function code on GET-FXRATE
0032	READ failed on TRD.
0033	MICM Record 6086 not found.
0034	READ failed on MICM Record 6086.
0035	Application not found. MICM Record 0211 not found.
0036	WRITE failed on ANRPTS.
0037	WRITE failed on CHK.
0038	GLOBAL CLOSE failed on BNK.
0039	Report count error.
0040	READ failed on CHK.
0041	WRITE failed on CHK.

Rerun Procedures

If the program aborts, you can:

- Use Checkpoint Restart processing; refer to the Application Processing chapter of *Procedures Guide 1* for details.

OR

- Do the following:
 1. Reload the API records from the previous day's backup.
 2. Rerun AND020, AND030, AND090, and AND150.
 3. Correct the error.
 4. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND126 – MICM Record 6015/6016 Repricing Indicator Reset

Purpose This program resets the MICM 6015/6016 repricing indicator.

API MICM Records

Record	Ext Record Code	Name	Description
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control 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	READ NEXT failed on BNK.
0002	READ NEXT failed on MICM Record 6015.
0003	READ UPDATE failed on MICM Record 6015.
0004	REWRITE failed on MICM Record 6015.
0005	READ NEXT failed on MICM Record 6016.
0006	READ/UPDATE failed on MICM Record 6016.
0007	REWRITE failed on MICM Record 6016.
0008	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, do the following.

1. Reload the ANMMST File from the previous day's backup.
2. Correct the error.
3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND129 – Invoice Reprint Update

Purpose This program processes the Deposit and Group History Records. This program updates the Reprint flag for invoiced or billed accounts in history, from the initial month requested to all subsequent months.

API MICM Records

Record	Ext Record Code	Name	Description
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History 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	OPEN failed on DHT.
0003	OPEN failed on GHT.
0004	READ NEXT failed on DHT.
0005	WRITE failed on DHT.
0006	READ NEXT failed on GHT.

Rerun Procedures

If the program aborts, do the following.

1. Reload the DHT and GHT records from the most recent backup.
2. Correct the error.
3. Run the job exactly as before.

AND130 – Recursive Update

Purpose This program recursively processes the Group Cross-reference Record for all relationships for all reprint requests. This program updates the Reprint flag for accounts in the history record. The program uses the historical relationship (grouping) for determining which accounts for that historical period need to be included for the Group (relationship) to be accurately reprinted. In addition, the program displays the number of recursive passes required of the records to update all historical Reprint flags.

API MICM Records

Record	Ext Record Code	Name	Description
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANSORT	Sort File	I/O	Disk	Sequential	55
ANWORK	Work File	I/O	Disk	Sequential	55

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	READ failed on BNK.
0002	Initialization failed on Relationship Table.
0003	Initialization failed on Group Table.
0004	Initialization failed on 1-up Table.
0005	Initialization failed on 1-down Table.
0006	READ failed on CHK.
0007	GLOBAL CLOSE failed on MICM.
0008	OPEN failed on XRD.
0009	CLOSE failed on XRD.
0010	READ failed on DMS.
0011	READ failed on DHT.
0012	READ failed on GMS.
0013	READ failed on GHT.
0014	Invalid Key on ANWORK.
0015	REWRITE failed on XRD.
0016	REWRITE failed on XRD.
0017	READ failed on BNK.
0018	READ failed on MICM Record 6000.
0019	Invalid sort return code.
0020	READ failed on XRD.
0021	REWRITE failed on XRD.
0022	GLOBAL COMMIT failed on BNK.

Rerun Procedures

If the program aborts, do the following.

1. Reload the DHT, DMS, GHT, and GMS records from the most recent backup.
2. Rerun the AND020, AND030, and AND080 depending on when the most recent backup was done.
3. Correct the error.
4. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND150 – Payment Edit

Purpose This program edits payment transactions from card, tape, and disk to create the Payment Edit File, which is input to AND160 (Payment Posting – Sort). Unapplied payments are extracted from the Payment History Record (PAY) and payment records (ANPAYE – Payment Edit File) are generated for posting in AND180.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDP	Accounts Receivable Payments Input File	Input	Card	Sequential	80
ANTAPP	Payment Input File (opt)	Input	Tape	Sequential	80
ANDSKP	Payment Input File (opt)	Input	Disk	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	88
ANPAYE	Payment Edit File	Output	Disk	Sequential	100
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-920 – Payment Edit Report

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Control card option. Valid entry is *.
04 – 04	1	Disk option. Valid entries are: b No disk input. X Disk input.
05 – 05	1	Media option. Valid entries are 0 – 9 , indicating the number of tapes to be used. (Specify one tape and concatenate them.)
06 – 06	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
07 – 80	74	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 on BNK.
0002	READ failed on BNK.

Code	Description
0003	READ failed on MICM Record 1001.
0004	Control card is missing.
0005	Control card option on the control card is invalid.
0006	Application number on the control card is invalid.
0007	Disk option on the control card is invalid.
0008	Media option on the control card is invalid.
0009	Print/Fiche code on the control card is invalid.
0010	READ failed on DMS.
0011	READ failed on GMS.
0012	BROWSE failed on OSB.
0013	READ NEXT failed on IXR.
0014	READ failed on RCV.
0015	BROWSE failed on DHT.
0016	READ failed on GHT.
0017	READ NEXT failed on PAY.
0018	ADD failed on PAY.
0019	GLOBAL COMMIT failed on BNK.
0020	READ failed on PAY.
0021	Dataset ANPAYE is full.
0022	DELETE failed on PAY.
0023	GLOBAL COMMIT failed on BNK.
0024	READ failed on RCV.
0025	READ failed on GMS.
0026	READ NEXT failed on GHT.
0027	REWRITE failed on GMS.
0028	GLOBAL COMMIT failed on BNK.
0029	READ failed on DMS.
0030	READ NEXT failed on DHT.
0031	REWRITE failed on DMS.
0032	GLOBAL COMMIT failed on BNK.
0033	READ failed on MICM Record 6000.
0034	READ failed on MICM Record 1006.

Code	Description
0035	READ failed on MICM Record 1001.
0036	Error loading application table.
0037	READ NEXT failed on MICM Record 1001.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, restore the PAY Record, correct the error, and run the job exactly as before.

AND160 – Payment Posting (Sort)

Purpose This program sorts the Payment Edit File and creates the sorted Payment Posting File.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANPAYE	Payment Edit File	Input	Disk	Sequential	100
SORTWK1	Sort Work File	I/O	Disk	Sequential	100
ANPAYP	Payment Posting File	Output	Disk	Sequential	100

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 return from sort.
0002	Dataset ANPAYP is full.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND170 – Balance Maintenance Sort

Purpose This program reads the Cycle Maintenance File from AND060 and the Cycle Maintenance File from AND080. The program sorts the data, accumulates all like data and creates the Sorted Cycle Maintenance Input File to be processed in AND180.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCMN1	Cycle Maintenance Input File 1	Input	Disk	Sequential	200
ANCMN2	Cycle Maintenance Input File 2	Input	Disk	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	231
ANCMNS	Sorted Cycle Maintenance Input File	Output	Disk	Sequential	200

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 return from sort.
0002	Form number is invalid.
0003- 0005	Card number is invalid.
0006	Form number is invalid.
0007-0009	Card number is invalid.
0010	Form number is invalid.
0011-0013	Card number is invalid.

Code	Description
0014	Form number is invalid.
0015-0017	Card number is invalid.
0018	Dataset ANCMNS is full.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND180 - Update

Purpose This program processes the master records sequentially and posts all transactions and payments. In addition, the program checks to see if the account is cycling or reprinting and, if so, creates the necessary history and produces an event record on the Statement Today File.

API MICM Records

Record	Ext Record Code	Name	Description
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DEX	ANDEX-RECORD	Daily Explicit Charge Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
INV	ANINV-RECORD	Invoice Number Record
LOG	ANLOG-RECORD	Log Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAX	ANPAX-RECORD	Profile Account Cross Reference Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivable Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
TXW	ANTXW-RECORD	Tax Write-off Detail Record
TXZ	ANTXZ-RECORD	Tax Write-off Summary Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-Reference Chain Record
XRD	ANXRD-RECORD	Cross-Reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCMNS	Cycle Maintenance Input File	Input	Disk	Sequential	200
ANPAYP	Payment Posting File	Input	Disk	Sequential	100
ANPOST	Posting File	Input	Disk	Sequential	Variable
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANGLTO	General Ledger Today File	Output	Disk	Sequential	608
ANPRVC	Previous Service Charge History File	Output	Disk	Sequential	405
ANRPTS	Reports File	Output	Disk	Random	Variable
ANSTDY	Statement Today File	Output	Disk	Sequential	190
ANSVC1	Receivables Service Charge Update File	Output	Disk	Sequential	164
ANTXGL	Tax General Ledger File	Output	Disk	Sequential	349

Reports

The records for the following reports are printed by AND350:

06-001 – Maintenance Journal
 06-002 – Posting Reject Journal
 06-004 – Group Exception Report
 06-012 – Auditors Report
 06-015 – Transaction Journal
 06-016 – Account Listing
 06-018 – Generated Service Charge Report
 06-035 – Daily Explicit Journal
 06-065 – Activity Recap Report
 06-066 – Daily Balance Report
 06-080 – Posting Payment Reject Journal
 06-081 – Daily Receivable Trial Balance Report One
 06-088 – Daily Payments Received Journal
 06-089 – Waive Payments Received Journal
 06-100 – Charge-off Payments Journal
 06-101 – Refund Payments Journal
 06-102 – Generated Payments Journal
 06-104 – Auto Debit Notice
 06-110 – Analysis Rate Maintenance Report
 06-112 – Auto Debit/Charge-off Action Items Report

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	READ failed on MICM Record 1001.
0002	OPEN failed on INV.
0003	READ failed on CHK.
0004	WRITE failed on CHK.
0005	GLOBAL COMMIT failed.
0006	BROWSE failed on BNK.
0007	INIT failed – Relationship Table.
0008	INIT failed – Ultimate Group Table.
0009	INIT failed – 1-up Table.
0010	INIT failed – 1-down Table.
0011	BROWSE failed on GMS.
0012	OPEN failed on GHT.
0013	BROWSE failed on GHT.
0014	OPEN failed on PAY.
0015	OPEN failed on RCV.
0016	OPEN failed on OSB.
0017	BROWSE failed on RCV.
0018	OPEN failed on TRN.
0019	BROWSE failed on TRN.
0020	OPEN failed on XRD.
0021	OPEN failed on DLB.
0022	BROWSE failed on EXC.
0023	BROWSE failed on GHT.
0024	BROWSE failed on PAY.
0025	BROWSE failed on RCV.
0026	BROWSE failed on OSB.
0027	BROWSE failed on TRN.
0028	BROWSE failed on XRD.

Code	Description
0029	BROWSE failed on BNK.
0030	BROWSE failed on DMS.
0031	BROWSE failed on DHT.
0032	Posting error on PAYPEOF.
0033	Posting error on POSTEOF.
0034	Posting error on ANFM20.
0035	GLOBAL CLOSE failed.
0036	MICM Record 2001 not found.
0037	ADD failed on GHT.
0038	BROWSE failed on GHT.
0039	Table Limit exceeded (WS-RSIZE).
0040	READ failed on RCV.
0041	WRITE failed on RCV.
0042	BROWSE or READ NEXT failed on TRN.
0043	BROWSE failed on DEX.
0044	READ NEXT failed on DEX.
0045	READ failed on GMS.
0046	DELETE failed on DEX.
0047	WRITE failed on GMS.
0048	READ NEXT failed on GMS.
0049	BROWSE or READ NEXT failed on TXS.
0050	READ failed on HCD.
0051	DELETE failed on HCD.
0052	READ failed on DHT.
0053	DELETE failed on GHT.
0054	READ failed on MICM Record 2001.
0055	ADD failed on DHT.
0056	BROWSE failed on DHT.
0057	Table Limit Exceeded (WS-RSIZE).
0058	READ NEXT failed on RCV.
0059	WRITE failed on RCV.
0060	READ NEXT failed on TRN.

Code	Description
0061	BROWSE failed on DEX.
0062	READ NEXT failed on DEX.
0063	READ failed on GMS.
0064	DELETE failed on DEX.
0065	WRITE failed on DMS.
0066	READ NEXT failed on DMS.
0067	READ failed on DHT.
0068	DELETE failed on DHT.
0069	BROWSE or READ NEXT failed on TXS.
0070	READ failed on HCD
0071	DELETE failed on HCD.
0072	READ failed on MICM Record 6012.
0073	READ failed on MICM Record 6011.
0074	No cycle record found.
0075	Cycle record contains invalid day of month.
0076	No cycle record found for next cycle period.
0077	READ failed on MICM Record 6013.
0078	READ failed on MICM Record 2001.
0079	BROWSE or READ NEXT failed on WSC.
0080	Table size exceeded (CTWMAX).
0081	Invalid return from initialize TRAN Table – ANB886.
0082	Invalid return from free TRAN Table – ANB886.
0083	Invalid return from expand TRAN Table – ANB886.
0084	Invalid return from initialize DESC Table – ANB886.
0085	Invalid return from free DESC Table – ANB886.
0086	Invalid return from expand DESC Table – ANB886.
0087	Invalid return from initialize GROUP Table – ANB886.
0088	Invalid return from free GROUP Table – ANB886.
0089	Invalid return from expand GROUP Table – ANB886.
0090	Invalid return on relationship info from ANBXREF.
0091	READ failed on XRD.
0092	WRITE failed on XRD.

Code	Description
0093	Table size exceeded (WS-CGMAX).
0094	BROWSE or READ NEXT failed on XRD.
0095	ADD failed on XRC.
0096	BROWSE failed on XRC.
0097	READ failed on XRD.
0098	ADD failed on XRD.
0099	ADD failed on PAX (GMS).
0100	ADD failed on PAX (DMS).
0101	READ failed on GMS.
0102	READ failed on DLB.
0103	WRITE or ADD failed on DLB.
0104	INIT failed on Init Daily Balance routine.
0105	Non-group transaction found when building group reports.
0106	BROWSE failed on PAY.
0107	Cycle maintenance record found for an institution not on file.
0108-0109	Capture record found for an institution not on file.
0110	READ NEXT failed on BNK.
0111	MICM Record 6000 not found.
0112	MICM Record 1001 not found.
0113	BROWSE failed on DMS.
0114	READ failed on BNK.
0115	READ NEXT failed on GHT.
0116	WRITE failed on GHT.
0117	READ NEXT failed on DHT.
0118	WRITE failed on DHT.
0119	READ NEXT failed on OSB.
0120	READ failed on RCV.
0121	READ NEXT failed on TRN.
0122	ADD or WRITE failed on TRN.
0123	ADD failed on TRD.
0124	ADD failed on TAJ.
0125	READ NEXT failed on GHT.

Code	Description
0126	READ NEXT failed on DHT.
0127	READ failed on INV.
0128	READ NEXT failed on OSB.
0129	WRITE failed on OSB.
0130	WRITE failed on DHT.
0131	WRITE failed on GHT.
0132	BROWSE or READ NEXT failed on OSB.
0133	READ failed on OSB.
0134	Table limit exceeded (WS_ADMAX).
0135	ADD failed on RCV.
0136	BROWSE or READ NEXT failed on TXZ.
0137	DELETE failed on TXZ.
0138	BROWSE or READ NEXT failed on TXW.
0139	DELETE failed on TXW.
0140	BROWSE or READ NEXT failed on TXD.
0141	READ failed on CHK.
0142	WRITE failed on CHK.
0143	GLOBAL COMMIT failed.
0144	File report counts not equal to calculated record counts.
0145	READ failed on BNK.
0146	WRITE failed on CHK.
0147	OPEN failed on BNK.
0148	OPEN failed on GHT.
0149	OPEN failed on PAY.
0150	OPEN failed on RCV.
0151	OPEN failed on OSB.
0152	OPEN failed on TRN.
0153	OPEN failed on XRC.
0154	OPEN failed on DLB.
2001	BROWSE or READ NEXT failed on TXD.
2002	BROWSE, READ or READ NEXT failed on TXD.
2003	ADD failed on TXZ.

Code	Description																										
2004	READ or ADD failed on TXW.																										
2005	ADD failed on TXW.																										
2006	Invalid return from Initialize ATXW Table – ANB886.																										
2007	Invalid return from FREE ATXW Table – ANB886.																										
2008	Invalid return from EXPAND ATXW Table – ANB886.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). The WS-FUNCTION contains primary edit problems. WS-FUNCTION will be set to: <ul style="list-style-type: none"> F From currency is invalid first return T To currency is invalid first return G From currency is invalid second return H To currency is invalid second return U Default “to” conversion failed V Default “from” conversion failed <p>This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.</p> <table border="1"> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr><td>1000-1299</td><td>ANP010</td></tr> <tr><td>1300-1399</td><td>ANP013</td></tr> <tr><td>1400-1419</td><td>ANP014</td></tr> <tr><td>1420-1499</td><td>ANP014L</td></tr> <tr><td>1700-1799</td><td>ANP011</td></tr> <tr><td>1800-1899</td><td>ANP018</td></tr> <tr><td>1900-1999</td><td>ANP019</td></tr> <tr><td>2000-2049</td><td>ANP200</td></tr> <tr><td>2050-2059</td><td>ANP205</td></tr> <tr><td>2060-2099</td><td>ANP206</td></tr> <tr><td>2100-2154</td><td>ANP202</td></tr> <tr><td>2150-2199</td><td>ANP036</td></tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2154	ANP202	2150-2199	ANP036
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1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2154	ANP202																										
2150-2199	ANP036																										
3001	READ failed on RCV.																										
3002	READ failed on OSB.																										
3003	BROWSE or READ NEXT failed on OSB.																										
3004	Table limit exceeded (WS-OTMAX).																										
3005	REWRITE failed on GHT.																										
3006	REWRITE failed on DHT.																										
3008	Table limit exceeded (WS-PTMAX).																										
3009	REWRITE failed on RCV.																										

Code	Description
3010	REWRITE failed on DHT/GHT.
3011	Table limit exceeded (WS-PTMAX).
3012-3013	BROWSE or READ NEXT failed on PXR.
3014	DELETE failed on PXR.
3015	REWRITE failed on PAY.
3016	REWRITE failed on OSB.
3017	READ failed on DHT/GHT.
3018	REWRITE failed on DHT.
3020	REWRITE failed on GHT.
3021	REWRITE failed on DHT.
3022	READ NEXT failed on DHT.
3025	REWRITE failed on GHT.
3026	READ NEXT failed on GHT.
3027	ADD failed on OSB.
3028	DELETE failed on PXR.
3029	.BROWSE or READ NEXT failed on OSB.
3030	DELETE failed on OSB.
3031	BROWSE or READ NEXT failed on OSB.
3032	DELETE failed on OSB.
3500	ADD/REWRITE failed on PXR.
3501	ADD failed on PAY.
3503	READ NEXT failed on OSB.
3504	REWRITE failed on OSB.
3505	ADD failed on OSB.
3506-3507	ADD or REWRITE failed on PXR.
3508	ADD failed on PXR.
3509	REWRITE failed on PXR.

Rerun Procedures

If the program aborts, you can:

- Use Checkpoint Restart processing – Refer to the Application Processing chapter of *Procedures Guide 1* for details.

OR

- Do the following:
 1. Reload the master records.
 2. Rerun the job from the point of the last backup.
 3. Correct the error.
 4. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

Scalable Procedures

AND180 will run once for every organization defined to the system. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.

AND185 – Previous Service Charge History File Sort

Purpose This program sorts ANPRVC File created by AND180 for input to AND200.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANPRVC	Previous Service Charge History File	Input	Disk	Sequential	405
SORTWK1	Sort Work File	I/O	Disk	Sequential	405
ANPRVS	Sorted Previous Service Charge History File	Output	Disk	Sequential	405

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 return from sort.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND190 – Statement Today Update

Purpose This program reads the ANSTDY records from AND180, updates the data from the appropriate history record and updates the rate information on any deposit history periods to be printed.

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
EXC	ANEXC-RECORD	Exception Rate Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTDY	Statement Today File	I/O	Disk	Sequential	190
SORTWK1	Sort Work File	I/O	Disk	Sequential	190
ANEVNT	Event File	Output	Disk	Sequential	71

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 BNK.
0002	BNK not found, Institution 0000.
0003	Bad Sort Return.
0004-0005	STDY dataset full.
0006	DMS not found.
0007	GMS not found.
0008	DHT not found.
0009	MICM Record 6012 not found.
0010	WRITE failed on DHT.
0011	GHT not found.
0012	BNK not found.
0013	MICM Record 6000 not found.
0014	MICM Record 6013 not found.
0015	Bad Read on MICM tables.
0017	MICM Record 6000 not found.
0018	MICM Record 6013 not found.
0019	MICM Record 6011 not found.
3000	Invalid return from currency processing.

Rerun Procedures

Correct the error and run the job exactly as before.

AND191 – Service Pricing

Purpose This program reads the ANSTDY records and produces an entry to the ANSTWW File for all services for any account that is producing a statement in this processing run.

API MICM Records

Record	Ext Record Code	Name	Description
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
GMS	ANGMS-RECORD	Group Master Record
GHT	ANGHT-RECORD	Group History Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTDY	Statement Today File	Input	Disk	Sequential	190
ANSORT	Sort Work File	I/O	Disk	Sequential	860
ANWRK3	Temporary Work File	I/O	Disk	Sequential	860
ANRPTS	Reports File	Output	Disk	Sequential	Variable
ANSTWW	Statement Work File	Output	Disk	Sequential	709

Reports

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 TRN.
0002	OPEN failed on TRD.
0003	Initialization failed on Process Consolidation Table.
0004	Initialization failed on Final Pricing Table.
0005	Initialization failed on Pricing Entry Table.
0006	Initialization failed on Pricing Data Table.
0007	Initialization failed on Statement Work Table.
0008	Invalid return from sort.
0009	READ NEXT failed on TRN.
0010	DELETE failed on TRN.
0011	READ/UPDATE failed on TRD.
0012	DELETE failed on TRD.
0013	READ failed on GMS.
0014	READ failed on GHT.
0015	Dataset ANSTW is full.
0016	READ/UPDATE failed on TRN.
0017	WRITE failed on TRN.
0018	ADD failed on TRN.

Code	Description
0019	Dataset ANWRK3 is full.
0021	READ failed on BNK.
0022	READ failed on MICM Record 6000.
0023	Bad sort return.
0024	GLOBAL CLOSE failed on BNK.
0025	Invalid return from EXPAND FPT Table – ANB886.
0026	Invalid return from EXPAND PET Table – ANB886.
0027-0029	Invalid return from EXPAND PDT Table – ANB886.
4000	Invalid return from INITIALIZE FPT Table – ANB886.
4001	Invalid return from FREE FPT Table – ANB886.
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.

Rerun Procedures Correct the error and run the job exactly as before.

Scalable Procedures AND191 will run once for every organization defined to the system. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.

AND191S – Sort ANSTWW File

Purpose This program reads the ANSTWW file and sorts it by the ANSTW key for processing by AND192.

API MICM Records None

API Application Records

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTWW	Statement Work File	Input	Disk	Sequential	709
ANSORT	Sort File	Output	Disk	Sequential	709

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
0023	Bad sort return.

Rerun Procedures Correct the error and run the job exactly as before.

AND192 – Priced Services Distribution

Purpose This program reads the ANSTWW File and produces the STW Record.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
STW	ANSTW-RECORD	Statement Work Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTWW	Statement Work File	Input	Disk	Sequential	709
ANSORT	Sort File	I/O	Disk	Sequential	709

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	Initialization failed on Relationship Table.
0002	Initialization failed on Ultimate Group Table.
0003	Initialization failed on 1-up Table.
0004	Initialization failed on 1-down Table.
0005	Initialization failed on STW Table.
0006	READ failed on BNK.
0007	Bad sort return.
0009	WRITE failed on STW.
0010	Invalid load of STW.
4000	Invalid return from INITIALIZE FPT Table – ANB886.

Code	Description
4001	Invalid return from FREE FPT Table – ANB886.
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.

Rerun Procedures Correct the error and run the job exactly as before.

AND200 – Cycle Calculations

Purpose This program calculates any service charge amounts for an account or group and provides statement and report records for lead night processing or any reprint requests.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
INV	ANINV-RECORD	Invoice Number Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivable Record
STW	ANSTW-RECORD	Statement Work Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANEVNT	Event File	Input	Disk	Sequential	71
ANPRVS	Previous Service Charge History File	Input	Disk	Sequential	405

Name	Description	Opened	Media	Access Mode	Record Length
ANRCOV	Recovery File	Input	Disk	Sequential	Variable
ANGLT10	General Ledger Today File 1	Output	Disk	Sequential	608
ANIXRS	Invoice Cross-reference Update File	Output	Disk	Sequential	79
ANRPTS	Reports File	Output	Disk	Sequential	Variable
ANSTMT	Statement File	Output	Disk	Sequential	Variable
ANSVCU	Service Charge Update File	Output	Disk	Sequential	164
ANSW14	Statement Record 14 File	Output	Disk	Sequential	182
ANSW15	Statement Record 15 File	Output	Disk	Sequential	152
ANTDET	Tax Detail File	Output	Disk	Sequential	235
ANTSUM	Tax Summary File	Output	Disk	Sequential	490

Note: ANB001 is called by AND200 if the user service charge routine is specified on the rate parameter.

Reports

The records for the following reports are printed by AND350:

- 06-001 – Maintenance Journal
- 06-002 – Posting Reject Journal
- 06-003 – Compensating Balance Exception Report
- 06-004 – Group Exception Report
- 06-013 – Balances Required Report
- 06-018 – Generated Service Charge Report
- 06-021 – Account Analysis Journal
- 06-023 – Account Analysis Summary
- 06-029 – Account Activity Journal
- 06-031 – Account Activity Summary One
- 06-041 – Service Charge Journal
- 06-043 – Service Charge Summary One
- 06-045 – Waived Service Charge Journal
- 06-046 – Review Service Charge Journal
- 06-047 – Waive Reason Code Report
- 06-053 – Year To Date Analysis Journal
- 06-055 – Year To Date Analysis Summary
- 06-061 – Prior Months Analysis Journal
- 06-063 – Prior Months Analysis Summary
- 06-065 – Activity Recap Report

06-067 – Billed Service Charges Report One
 06-069 – Overdraft Interest Report
 06-081 – Daily Receivable Trial Balance Report One
 06-086 – Service Charge Adjustment Report
 06-088 – Daily Payments Received Journal
 06-102 – Generated Payments Journal
 06-105 – General Ledger Adjustment Report
 06-106 – General Ledger Adjustment Summary

The records for the following report are printed by AND411:

06-090 – Statement Format A

The records for the following report are printed by AND410:

06-135 – Statement Format 1

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	BROWSE failed on BNK.
0002	READ failed on CHK.
0003	WRITE/REWRITE failed on CHK.
0004	GLOBAL COMMIT failed.
0005	Invalid return from INITIALIZE Relationship Table – ANB886.
0006	Invalid return from INITIALIZE Ultimate Group Table – ANB886.
0007	Invalid return from INITIALIZE 1-up Table – ANB886.
0008	Invalid return from INITIALIZE 1-down Table – ANB886.
0009	Invalid return from INITIALIZE Final Pricing Table – ANB886.
0010	Invalid return from INITIALIZE Pricing Entry Table – ANB886.
0011	Invalid return from INITIALIZE STW Table – ANB886.
0012	READ NEXT failed on INV.
0013	Invalid header record on ANEVNT.
0014	READ failed on MICM Record 1001.
0015	OPEN failed on BNK.
0016	Modeling option and flag in conflict on BNK.
0017	OPEN failed on INV.
0018	BROWSE failed on DMS.

Code	Description
0019	BROWSE failed on GMS.
0020	BROWSE failed on DHT.
0021	BROWSE failed on GHT.
0022	BROWSE failed on OSB.
0023	BROWSE failed on RCV.
0024	BROWSE failed on PAY.
0025	OPEN failed on DLB.
0026	READ failed on DMS.
0027	READ failed on DHT.
0028	READ failed on XRC.
0029	DMS not found for INV.
0030	BROWSE failed on GMS.
0031	READ failed on GHT.
0032	READ failed on XRC.
0033	GMS not found for INV.
0034	WRITE/REWRITE failed on INV.
0035	GLOBAL CLOSE failed.
0036-0037	READ failed on GHT.
0038-0039	READ failed on GMS.
0040-0041	READ failed on GHT.
0042-0043	READ failed on GMS.
0044	READ failed on MICM Record 6000.
0045	READ failed on MICM Record 1001.
0046	BROWSE or READ NEXT failed on BNK.
0047	More than 100 institutions found.
0048	READ failed on BNK.
0049	READ failed on GHT.
0050	READ failed on DHT.
0051	READ NEXT failed on XRL.
0052	START BROWSE failed on XRL.
0053	READ NEXT failed on XRL.
0054	More than 20 Statement Record 16s.

Code	Description
0055	WS-S16TOP is greater than WS-S16MAX for OSB.
0056	WS-S16TOP is greater than WS-S16MAX for PAY.
0057	WS-S16TOP is greater than WS-S16MAX for HOST.
0058	WS-S16TOP is greater than WS-S16MAX.
0059	READ failed on DLB.
0060	Invalid return from INITIALIZE DAILY BALANCE routine.
0061	Invalid return from INITILIZE SARATE Table – ANB886.
0062	Invalid return from FREE SARATE Table – ANB886.
0063	Invalid return from EXPAND SARATE Table – ANB886.
0064	Invalid return from INITILIZE ITEM Table – ANB886.
0065	Invalid return from FREE ITEM Table – ANB886.
0066	Invalid return from EXPAND ITEM Table – ANB886.
0067	READ failed on GMS.
0068-0069	WRITE/REWRITE failed on DLB.
0070	READ failed on MICM Record 6015 from routine ANP013.
0071	ADD failed on STW.
0072	READ failed on RCV.
0073	BROWSE or READ NEXT failed on PXR.
0074	Table limit exceeded (WS-PXRMAX).
0075	READ NEXT failed on OSB.
0076	BROWSE or READ NEXT failed on PXR.
0077	READ failed on MICM Record 6011.
0078	WRITE/REWRITE failed on RCV.
0079	WRITE/REWRITE failed on INV.
0080	READ failed on BNK.
0081	READ failed on MICM Record 6000.
0082	READ failed on MICM Record 1001.
0083	READ failed on RCV.
0084	BROWSE or READ NEXT on PAY.
0085	READ failed on MICM Record 6013.
0086	BROWSE failed on DHT.
0087	Table limit exceeded (WS-HTSIZE).

Code	Description
0088	READ failed on RCV.
0089	BROWSE or READ NEXT on OSB.
0090	BROWSE or READ NEXT on PAY.
0091	BROWSE failed on GHT.
0092	Table limit exceeded (WS-HTSIZE).
0093	READ failed on RCV.
0094	BROWSE or READ NEXT on OSB.
0095	BROWSE or READ NEXT on PAY.
0096	READ failed on GHT.
0097	WRITE/REWRITE failed on DMS.
0098	WRITE/REWRITE failed on GMS.
0099	READ NEXT failed on DHT.
0100	READ NEXT failed on GHT.
0101	READ failed on MICM Record 6013.
0102	BROWSE or READ NEXT on STW.
0103	Table limit exceeded (WS-S16MAX) – HST CHR.G.
0104	READ failed on 6023.
0105	WRITE/REWRITE failed on STW.
0106	READ failed on MICM Record 6013.
0107-0108	READ failed on MICM Record 6023.
0109	Table limit exceeded (WS-S16MAX) – CHR.G.
0111	Table limit exceeded (WS-S16MAX) – HOST.
0112-0114	ADD failed on STW.
0115	READ failed on DHT.
0116-0117	READ failed on GHT.
0118	READ failed on CHK.
0119	WRITE/REWRITE failed on CHK.
0120	GLOBAL COMMIT failed on BNK.
0121	Record counts did not match during recovery processing.
0122	WRITE/REWRITE failed on INV.
0123	WRITE/REWRITE failed on CHK.
0124	ADD failed on TRN.

Code	Description																						
0125	READ failed on DHT.																						
1700	BROWSE or READ failed on PXR.																						
1701	READ failed on OSB.																						
1703	Table limit exceeded (WS-GLINV-MAX).																						
1704	BROWSE or READ failed on PXR.																						
2001	INITIALIZE failed on FDIC table.																						
2002	Record missing on DHT.																						
2003	READ failed on MICM Record 6012.																						
2004	REWRITE/ADD failed on DHT.																						
2005	Record missing on GHT.																						
2006	READ failed on GHT.																						
2007	READ failed on MICM Record 6012.																						
2008	REWRITE/ADD failed on GHT.																						
2009-2028	Service pricing record not found on MICM Record 6015/6016.																						
2029	READ failed on RCV.																						
2030	ADD failed on RCV.																						
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																						
	<table border="1"> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr> <td>1000-1299</td> <td>ANP010</td> </tr> <tr> <td>1300-1399</td> <td>ANP013</td> </tr> <tr> <td>1400-1419</td> <td>ANP014</td> </tr> <tr> <td>1420-1499</td> <td>ANP014L</td> </tr> <tr> <td>1700-1799</td> <td>ANP011</td> </tr> <tr> <td>1800-1899</td> <td>ANP018</td> </tr> <tr> <td>1900-1999</td> <td>ANP019</td> </tr> <tr> <td>2000-2049</td> <td>ANP200</td> </tr> <tr> <td>2100-2149</td> <td>ANP202</td> </tr> <tr> <td>2150-2199</td> <td>ANP036</td> </tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2100-2149	ANP202	2150-2199	ANP036
Trace Codes	Copybook																						
1000-1299	ANP010																						
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1800-1899	ANP018																						
1900-1999	ANP019																						
2000-2049	ANP200																						
2100-2149	ANP202																						
2150-2199	ANP036																						
3001	READ failed on RCV.																						
3002	READ failed on OSB.																						
3003	READ NEXT failed on OSB.																						
3004	Table limit exceeded (WS-OTMAX).																						

Code	Description
3005	READ failed on GHT.
3006	READ failed on DHT.
3008	Table limit exceeded (WS-PTMAX).
3009	WRITE/REWRITE failed on RCV.
3010	WRITE/REWRITE failed on GHT.
3011	READ NEXT failed on OSB.
3012	READ NEXT failed on PXR.
3013	BROWSE or READ NEXT failed on PXR.
3014	DELETE failed on PXR.
3015	WRITE/REWRITE failed on PAY.
3016	READ failed on OSB.
3017	READ failed on DHT.
3018	WRITE/REWRITE failed on DHT.
3019	READ failed on GHT.
3020	WRITE/REWRITE failed on GHT.
3021	WRITE/REWRITE failed on DHT.
3022	READ NEXT failed on DHT.
3023	READ failed on either DHT.
3024	WRITE/REWRITE failed on DHT.
3025	WRITE/REWRITE failed on GHT.
3026	READ NEXT failed on GHT.
3027	ADD failed on OSB.
3028	DELETE failed on PXR.
3029	BROWSE or READ NEXT failed on OSB.
3030	DELETE failed on OSB.
3031	BROWSE or READ NEXT failed on OSB.
3032	DELETE failed on OSB.
3033	WRITE/REWRITE failed on GHT.
3034	READ failed on GHT.
3500	READ failed on PXR.
3501	ADD failed on PAY.
3503	BROWSE or READ NEXT failed on OSB.

Code	Description
3504	WRITE/REWRITE failed on OSB.
3505	ADD failed on OSB.
3506-3507	WRITE/REWRITE or ADD failed on PXR.
3508	ADD failed on OSB.
3509	READ failed on PXR.
4000	Invalid return from INITIALIZE FPT Table – ANB886.
4001	Invalid return from FREE FPT Table – ANB886.
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.
7000-7002	Invalid return from READ-MICM-TABLES.

Rerun Procedures

If the program aborts, you can:

- Use Checkpoint Restart processing; refer to the Application Processing chapter of *Procedures Guide 1* for details.

OR

- Do the following:
 1. Reload the master records and the Institution Control Record from the previous day's backup.
 2. Rerun AND005.
 - a. Set the Reports File option to **Y** on the control card.
 - b. Set Capture File option to **N** on the control card.
 3. Rerun AND020, AND030, AND080, AND130, AND180, and AND190.
 4. After correcting the error, run the job exactly as before.

If you require assistance, contact the Analysis programmer.

Scalable Procedures AND200 will run once for every organization defined to the system. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.

AND210 – General Ledger File Merge

Purpose This program merges the two General Ledger files from AND180 and AND200. The output file of this program is input to AND900.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANGLT1	General Ledger Today File 1	Input	Disk	Sequential	608
ANSORT	Sort Work File	I/O	Disk	Sequential	608
ANGLTO	General Ledger Today File	Output	Disk	Sequential	608

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 return from sort.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND230 – Tax Detail Merge

Purpose This program sorts and accumulates the daily Tax Detail File.

API MICM Records None

API Application
Records

Ext Record Code	Name	Description
TXD	ANTXD-RECORD	Tax Detail Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANTDET	Tax Detail File	Input	Disk	Sequential	235
SORTWK1	Sort Work File	I/O	Disk	Sequential	235

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 TXD.
0002	Invalid return from sort.
0003	ADD failed on TXD.

Rerun Procedures Correct the error and run the job exactly as before.

AND240 – Tax Summary Merge

Purpose This program sorts and accumulates the Daily Tax Summary File and updates the TXS API record. In addition, this program re-apportions write-off/recovery payments for reprinted/recalculated statements.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record

API Application Records

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
TXW	ANTXW-RECORD	Tax Detail Write-off Record
TXZ	ANTXZ-RECORD	Tax Summary Write-off Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANTSUM	Tax Summary File	Input	Disk	Sequential	490
ANGLT1	General Ledger Today File 1	Output	Disk	Sequential	608
ANTXGL	Tax General Ledger File	Output	Disk	Sequential	349
SORTWK1	Sort Work File	I/O	Disk	Sequential	490

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 TXS.
0002	Invalid return from sort.
0003	MICM Record 0211 not found.
0004-0005	MICM Record 0211 not found for application.
0006	READ failed on OSB.
0007	READ failed on DMS.
0008	READ failed on GMS.
0009	Invalid key on GLT1REC.
0010	Invalid key on TXGLREC.
0011	WRITE failed on ANTXGL.
2001	BROWSE/READ NEXT failed on OSB.
2002	READ failed on DHT.
2004	READ failed on GHT.
2005	ADD failed on TXW.
2006	BROWSE failed on TXD.
2007	READ NEXT failed on TXD.
2008-2009	ADD failed on TXW.

Rerun Procedures	Correct the error and run the job exactly as before.
------------------	------------------------------------------------------

AND250 - General Ledger File Merge (Taxes)

Purpose This program sorts and accumulates the Tax General Ledger File for input to AND915. It reads the TXD and TXS API records for any records with a GLEXTC-FLAG *not* equal to Y. After getting the master and the history, if the SCCODE is equal to I or if the extract date is before the next processing date, the program generates ANTXGL and ANGLT1 records and updates the GL extracted flag on the TXD and TXS API records.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANTXGL	Tax General Ledger File	Input	Disk	Sequential	349
SORTWK1	Sort Work File	I/O	Disk	Sequential	608
ANGLT1	General Ledger Today File	Output	Disk	Sequential	608
ANTXGS	Sorted Tax General Ledger File	Output	Disk	Sequential	349

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	READ failed on BNK (Institution 0000).
0002	OPEN failed on TXS.
0003	OPEN failed on TXD.
0004	SORT return is invalid.
0005	MICM Record 0211 not found for application.
0006	READ NEXT failed on TXS.
0007	READ failed on DMS.
0008	READ failed on DHT.
0009	READ failed on GMS.
0010	READ failed on GHT.
0011	REWRITE failed on TXS.
0012	READ NEXT failed on TXD.
0013	REWRITE failed on TXD.
0014	ANGLT1 is full.
0015	READ failed on BNK.
0016	READ failed on MICM Record 6000.
0017	LOAD failed on CIFAPPLTABLE
0018	MICM Record 0211 not found for application.
0019	ANTXGS is full.

Rerun Procedures If the program aborts, contact the Analysis programmer. (The TXD and TXS Records may need to be restored.) Correct the error and run the job exactly as before.

AND300 – Maintenance History Merge

Purpose This program merges daily history maintenance with HST Records and creates an output file in Runtime utility backup format. Each HST Record is read and checked against the appropriate MICM 2017 Record. The number of retention days in the record is used to determine if the HST Record should be purged. In addition, this program produces a report that shows the number of input, purged, and output records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2017	M17	MI2017-RECORD	Maintenance History Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
HST	ANHST-RECORD	Maintenance History Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
SORTWK1	Sort Work File	n/a	Disk	Sequential	415
MHSTFILE	Maintenance History Backup File	Output	Disk	Sequential	415
PRINTR	Print File	Output	Printer	Sequential	132

Reports 06-958 – Maintenance History Merge

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	BROWSE failed on BNK.
0002	Return from sort not equal to zero.
0003	READ failed on BNK.
0004	READ failed on MICM Record 2017.

Rerun Procedures Correct the error and run the job exactly as before.

AND340 – Report Sort

Purpose This program extracts and sorts data for the reports based on the sort data contained on MICM Record 2007. Report records are read from the Reports File, sorted, and written to a sequential dataset.

API MICM Records

Record	Ext Record Code	Name	Description
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Account Analysis Institution Parameters and Options Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANRPTS	Reports File	Input	Disk	Sequential	Variable
ANRPTSS	Sorted Reports File	I/O	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANRPT1	Sorted Report File	Output	Disk	Sequential	Variable

Reports The records for the following report are printed by AND350:

06-011 – Report Recap
06-065 – Activity Recap Report

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 BNK.
0002-0003	Invalid return from sort.
0004	READ failed on BNK.
0005	READ failed on MICM Record 6000.
0006	READ failed on MICM Record 1001.
0007	WRITE failed on Reports File.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND350 – Report Print

Purpose This program serves as a root program in the printing of most Account Analysis reports. (Each type of report has a corresponding format program.)

Any I/O routines to access the MICM Master File or the Institution Control Record are done by this program. If MICM information is needed during the formatting of a print line, the format program uses AND350 to access and pass the information back to the print line and returns control to AND350 for its printing. AND350 receives the report information from ANRPT1 (Sorted Report File) produced in AND340. A control card allows you to select a range of reports to be printed. Multiple control cards can be used.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2006	M06	MI2006-RECORD	Account Verification Formulas Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6019	M19	MI6019-RECORD	Analysis Past Due Notice Wording Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

Record	Ext Record Code	Name	Description
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPT1	Sorted Report File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

Report Name	Called Program
06-001 – Maintenance Journal	ANG001
06-002 – Posting Reject Journal	ANG002
06-003 – Compensating Balance Exception Report	ANG003
06-004 – Group Exception Report	ANG004
06-005 – Deleted Accounts Report	ANG005
06-006 – Status Change Report	ANG006
06-007 – New Accounts Report	ANG007
06-008 – Closed Accounts Report	ANG008
06-009 – Purged Accounts Report	ANG009
06-010 – Dormant Accounts Report	ANG010
06-011 – Report Recap	ANG011
06-012 – Auditors Report	ANG012
06-013 – Balances Required Report	ANG013
06-015 – Transaction Journal	ANG015

Report Name	Called Program
06-016 – Account Listing	ANG016
06-018 – Generated Service Charge Report	ANG018
06-021 – Account Analysis Journal	ANG021
06-023 – Account Analysis Summary	ANG023
06-029 – Account Activity Journal	ANG029
06-031 – Account Activity Summary One	ANG031
06-035 – Daily Explicit Journal	ANG035
06-041 – Service Charge Journal	ANG041
06-043 – Service Charge Summary One	ANG043
06-044 – Tax Detail Report	ANG044
06-045 – Waived Service Charge Journal	ANG045
06-046 – Review Service Charge Journal	ANG046
06-047 – Waived Service Charge Journal	ANG047
06-053 – Year To Date Analysis Journal	ANG053
06-055 – Year To Date Analysis Summary	ANG055
06-061 – Prior Months Analysis Journal	ANG061
06-063 – Prior Months Analysis Summary	ANG063
06-065 – Activity Recap Report	ANG065
06-066 – Daily Balance Report	ANG066
06-067 – Billed Service Charge Report One	ANG067
06-069 – Overdraft Interest Report	ANG069
06-077 – Promotional Waive Exceptions	ANG077
06-080 – Posting Payment Reject Journal	ANG080
06-081 – Daily Receivable Trial Balance Report One	ANG081
06-083 – Past Due Accounts Report One	ANG083
06-085 – Past Due Accounts Summary One	ANG085
06-086 – Service Charge Adjustment Report	ANG086
06-087 – Delinquency Aged Report	ANG087
06-088 – Daily Payments Received Journal	ANG088

Report Name	Called Program
06-089 – Waive Payments Received Journal	ANG089
06-100 – Charge-off Payments Report	ANG100
06-101 – Refund Payments Journal	ANG101
06-102 – Generated Payments Journal	ANG102
06-104 – Auto Debit Notice	ANG104
06-105 – General Ledger Adjustment Report	ANG105
06-106 – General Ledger Adjustment Summary	ANG106
06-107 – Receivables Aging Report	ANG107
06-108 – 45 Days Past Due Aging Report	ANG108
06-109 – Overpaid Aging Report	ANG109
06-110 – Analysis Rate Maintenance Report	ANG110
06-111 – Auto Debit Alert Report	ANG111
06-112 – Auto Debit/Charge-off Action Items Report	ANG112
06-121 – Service Pricing Alert Report	ANG121
06-122 – Exception Pricing Alert Report	ANG122
06-123 – Analysis Exception Rates Alert Report	ANG123
06-124 – Analysis Exception Rates Variance Report	ANG124
06-125 – Affiliate Pricing Alert Report	ANG125
06-126 – Charge-off Alert Report	ANG126
06-127 – Cumulative Charge-off Report	ANG127
06-128 – Transaction Repricing Report	ANG128
06-129 – Temporary Waived Service Charge Alert Report	ANG129
06-130 – Temporary Waived Service Charge Journal	ANG130
06-131 – Account/Affiliate Account Alert Report	ANG131
06-132 – Capture Listing	ANG132
06-141 – Monthly Product Report	ANG141
06-143 – Monthly Product Summary	ANG143
06-145 – Monthly Product History Summary	ANG145
06-160 – Monthly Service Charge History Report	ANG160
06-162 – Monthly Service Charge History Summary	ANG162

Report Name	Called Program
06-172 – Account/Profile Cross-reference Report	ANG172
06-173 – Profile/Account Cross-reference Report	ANG173

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. There may be multiple control cards. No control card is needed if you are not selecting reports.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 05	3	Starting report number.
06 – 08	3	Ending report number.
09 – 09	1	Date option. Valid entries are: b Current processing date. L Last processing date.
10 – 80	71	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 on BNK.
0002	READ failed on MICM Record 1001.
0003	Application number on the control card is invalid.
0004	Starting report number on the control card is invalid
0005	Ending report number on the control card is invalid.
0006	Table limit exceeded (WS-RTSIZE).
0007	Called module not found.
0008	Abort from called module (REPORT-PRINT).
	Note: When an abort condition occurs in a report format program, the abort code appears upon the console and prints on SYSLST.
0009	Application not found in application table.
0010	MICM Record 6000 not found.
0011	MICM Record 1001 not found.
0012	Error occurred while building CIF application table.
0013-0014	Application not found in application table.

Code	Description
0015-0016	MICM Record 1006 not found.
0017	Invalid print line control from called module.
0018	Invalid data on WS-RPT1KEY.
0019	Missing AMT for report.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND385 – Statement Work Record Pre-sort

Purpose This program reads the ANSTMU, ANSW14 and ANSW15 records and sorts them into proper sequence for use by AND390.

API MICM Records None

API Application Records None

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTMT	Unsorted Statement File	Input	Disk	Sequential	Variable
ANSW14	Tax Rate Record	Input	Disk	Sequential	182
ANSW15	Tax Service Record	Input	Disk	Sequential	152
ANSWRK	Sorted Statement Work File	Output	Disk	Sequential	Variable

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
0001-0003	Invalid return from sort.
0004	Invalid Statement Record Code (input).
0005	WRITE failed on ANSWRK.
0006	Invalid Statement Record Code (output).

Rerun Procedures Correct the error and run the job exactly as before.

AND390 – Statement H, I, T and U Records Creation

Purpose This program reads the ANSWRK, ANSW14 and ANSW15 files along with the ANSTW records to produce an updated version of the ANSTMT File with the appropriate H, I, T, and U records added.

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
TRD	ANTRD-RECORD	Transaction Description Record
STW	ANSTW-RECORD	Statement Work Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSW14	Tax Rate Record	Input	Disk	Sequential	182
ANSW15	Tax Service Record	Input	Disk	Sequential	152
ANSWRK	Sorted Statement Work File	I/O	Disk	Sequential	Variable
ANSTMT	Statement File	Output	Disk	Sequential	Variable

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 return from sort.
0002	Invalid statement record type.
0003-0004	MICM Record 2018 not found.
0005-0009	Currency conversion table overflow error.
0010	Error reading institution record, BNK.
0011	Error reading MICM Record 6000.
0012	Invalid return from SW14 table initialize.
0013	Invalid return from SW14 table free.
0014	Invalid return from SW14 table expand.
0015	Invalid return from SW15 table initialize.
0016	Invalid return from SW15 table free.
0017	Invalid return from SW15 table expand.
0018	WRITE failed on ANSTMT.
0019	Invalid statement record type (output).
4000	Invalid return from INITIALIZE FPT Table – ANB886.
4001	Invalid return from FREE FPT Table – ANB886.
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.

Rerun Procedures Correct the error and run the job exactly as before.

AND392 – Statement File Update

Purpose This program updates the Statement File with adjustment-related information retrieved from the Transaction Adjustment (TAJ) and Transaction (TRD) records.

Note: This program is optional and only needs to be scheduled if adjustments need to be shown on the TMA statement.

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Processing Parameters

API Application Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
STW	ANSTW-RECORD	Statement Work Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTMT	Statement File	Input	Disk	Sequential	Variable
ANSTMU	Updated Statement File	Output	Disk	Sequential	Variable

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 ANBAJ.
0002	OPEN failed on ANTAJ.
0003	OPEN failed on ANTRN.
0004	Invalid return from Final Pricing Table initialization.
0005	Invalid return from Pricing Entry Table initialization.
0006	Invalid return from STW Table initialization.
0007	Invalid return from Hold TRN Table initialization.
0008	Invalid return from sort.
0009	Statement Description Record out of sequence.
0010	Totals (M) record was encountered without a calculated amounts (E) record.
0011	Calculated amounts (E) record was encountered without an account information (D) record.
0012	Invalid Statement Record Type.
0013	Statement Description Record out of sequence.
0014	Statement Description Record missing.
0015	READ failed on ANBAJ.
0016	READ failed on ANTAJ.
0017-0018	READ failed on ANTRN.
0019	READ failed on ANDHT.
0020	READ failed on ANGHT.
0021	READ failed on ANDMS.

Code	Description																										
0022	READ failed on ANGMS.																										
0023	READ failed on ANTAJ.																										
0024	READ failed on ANBAJ.																										
0025	READ failed on ANGHT.																										
0026	READ failed on ANDHT.																										
0027	READ failed on ANBNK.																										
0028	READ failed on MICM Record 6000.																										
0029	READ failed on MICM Record 6015.																										
0030	READ failed on MICM Record 6016.																										
0031-0045	WRITE failed on ANSTMT.																										
0046-0047	Invalid statement record type.																										
0048	Statement Description Record out of sequence.																										
0049	Statement Description Record is missing.																										
0050	Calculated Amounts Record is missing.																										
0051	Statement Description Record is missing.																										
0052	Invalid RECCODE on ANRT sort record.																										
0053	Invalid return from EXPAND HTT Table – ANB886.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table><thead><tr><th>Trace Codes</th><th>Copybook</th></tr></thead><tbody><tr><td>1000-1299</td><td>ANP010</td></tr><tr><td>1300-1399</td><td>ANP013</td></tr><tr><td>1400-1419</td><td>ANP014</td></tr><tr><td>1420-1499</td><td>ANP014L</td></tr><tr><td>1700-1799</td><td>ANP011</td></tr><tr><td>1800-1899</td><td>ANP018</td></tr><tr><td>1900-1999</td><td>ANP019</td></tr><tr><td>2000-2049</td><td>ANP200</td></tr><tr><td>2050-2059</td><td>ANP205</td></tr><tr><td>2060-2099</td><td>ANP206</td></tr><tr><td>2100-2149</td><td>ANP202</td></tr><tr><td>2150-2199</td><td>ANP036</td></tr></tbody></table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2149	ANP202	2150-2199	ANP036
Trace Codes	Copybook																										
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1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2149	ANP202																										
2150-2199	ANP036																										
4000	Invalid return from INITIALIZE FPT Table – ANB886.																										
4001	Invalid return from FREE FPT Table – ANB886.																										

Code	Description
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.
7100	READ failed on SPH.
7101	No valid SPH record found.
7102	Pricing hierarchy order (SPH) is invalid.

Rerun Procedures

Correct the error and run the job exactly as before.

AND395 – Transaction Pointer Work Record Create

Purpose This program is used to create Transaction Pointer Work Records. AND395 reads the STW records, generates TPRW records for loading by AND396 and deletes records for reprinted statement cycles.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
STW	ANSTW-RECORD	Statement Work Record
TPR	ANTPR-RECORD	Transaction Pointer Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTWW	Statement Work File	Input	Disk	Sequential	709
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANTPRW	Transaction Pointer Work File	Output	Disk	Sequential	Variable

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	GET STORAGE failed for Relationship Table.
0002	GET STORAGE failed for Ultimate Group Table.
0003	GET STORAGE failed for 1-up Table.
0004	GET STORAGE failed for 1-down Table.
0005	GET STORAGE failed on STW.
0006	READ failed on BNK.
0007	Invalid return from sort.

Code	Description
0008	READ NEXT failed on TPR.
0009	BROWSE failed on STW.
0010	READ NEXT failed on TPR.
0011	DELETE failed on TPR.
4000	Invalid return from INITIALIZE FPT Table – ANB886.
4001	Invalid return from FREE FPT Table – ANB886.
4002	Invalid return from EXPAND FPT Table – ANB886.
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND396 – Transaction Pointer Record Create

Purpose This program reads the ANTPRW records and generates TPR (Transaction Pointer) records.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
TPR	ANTPR-RECORD	Transaction Pointer Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANTPRW	Transaction Pointer Work File	Input	Disk	Sequential	63

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
0001-0002	LOAD failed on TPR
0003	CLOSE failed on TPR.
0004	OPEN failed on TPR.
0005	READ failed on TPR.
0006	DELETE failed on TPR.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND400 – Domestic Statement Sort

Purpose

This program reads the Updated Statement File and produces the Intermediate Sorted File and the Relationship Statement Backup File for domestic statements. The Intermediate Sorted Statement File contains records for all standalone DDA and group accounts. If the statement has copies, the copies will exist on this file.

The Relationship Statement Backup File, a flat file that is loaded into the ANSTMV VSAM file, contains any DDA and group accounts that have their relationship indicator set to Y, including those with a statement type of zero. No statement copies exist on this file.

A sort key is built according to the Account Analysis report sort data contained on MICM Record 2007 for each statement format. If the statements are to be sorted by ZIP code, AND400 calls SRB100 to retrieve the ZIP codes from the name and address files.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANEVNT	Event File	Input	Disk	Sequential	71
ANSTMU	Updated Statement File	Input	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMRB	Relationship Statement Backup File	Output	Disk	Sequential	Variable
ANSTMS1	Intermediate Sorted Domestic Statement File	Output	Disk	Sequential	Variable

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 BNK.
0002	Invalid return from sort of ANSTMS1.
0003	Invalid return from sort of ANSTMRB.
0004-0005	Invalid data on ANSTMU.
0006	MICM Record 2001 not found.
0007	MICM Record 1001 not found.
0008-0013	Invalid data on ANSTMU.
0014	MICM Record 1001 not found.
0015	MICM Record 6000 not found.
0016	MICM Record 2007 (report 090) not found.
0017	MICM Record 2007 (report 091) not found.
0018	MICM Record 2007 (report 135) not found.
0019	MICM Record 2007 (report 136) not found.
0020	Invalid data on ANSTMS1.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND405 – Domestic Statement Expand and Sort

Purpose This program creates the final Sorted Domestic Statement File by extracting standalone accounts and building relationships for groups on the ANSTMS1 File. The XRC Record is used to determine relationships for a group and the related group/DDA statement records are extracted from ANSTMR. The sort fields are copied from the group and applied to the related accounts coming from ANSTMR.

The EDI Statement File is optionally generated.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMR	Relationship Statement File	Input	Disk	Sequential	3046
ANSTMS1	Intermediate Sorted Domestic Statement File	Input	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANSTMS	Sorted Domestic Statement File	Output	Disk	Sequential	Variable
ANSTMX	EDI Statement File	Output	Disk	Sequential	Variable

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 BNK.
0002	Initialization of XRC Relationship Table failed
0003	Initialization of XRC Ultimate Group Table failed.
0004	Initialization of XRC 1-up Table failed.
0005	Initialization of XRC 1-down Table failed.
0006	Invalid sort return.
0007	Record ID in first record of a set of statement records is not D .
0008	GET Relationship routine failed.
0009	READ failed on ANSTMR.
0010	Record with an invalid record ID was read from ANSTMR.
0011	READ NEXT failed on ANSTMR.
0012	Record with an invalid record ID was read from ANSTMS1.
0013	Attempting to release a record with an invalid record ID to the sort.
0014-0015	READ NEXT failed on ANSTMR.
0016	Record with an invalid record ID was returned from the sort.
0017	Multi-institution relationship encountered with differing MICM Record 6000 lead days (see account information in Abort display messages and Rerun Procedures below).

Rerun Procedures If the program aborts with code 0017, perform the following steps:

1. Restore files from a backup taken before the earlier execution of AND180.
2. Correct the differing MICM Record 6000 Lead Days setting(s) across the institutions.
3. Rerun the daily batch cycle from the point of the backup through AND180 and beyond.

If the program aborts with a code other than 0017, correct the error and run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND410 – Statement Print – Format 1 (Wide Version)

Purpose

This program prints Analysis statements in Format 1 using the Sorted Statement File. (Format 1 is 132 positions in width and is one of two wide formats offered by Account Analysis.)

Analysis statements can be printed at the account or group level, depending on the statement type specified for the account or group.

- The account level statement type specifies either detail or summary.
- The group level statement type specifies either detail or summary by group, or for each account within a group.

In addition, the program prints the Daily Balance section of the statement based on the group/account level options.

Note: Invoices can be optionally printed as part of the statement by calling subroutine ANB460 to format the invoice print lines. The layout will be the same as the AND460 invoice layout. In addition, if the Suppress Print Code on MICM Record 6080 for statement Description 99050 is N, the invoice prints.

The statement line descriptions, payment code descriptions, and transaction descriptions are loaded to tables from the MICM Code Description records for later use in printing the statements.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63M	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

Record	Ext Record Code	Name	Description
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
MSG	ANMSG-RECORD	Statement Message Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-135 – Analysis Statement – Format 1 (Wide Version)

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 BNK.
0002	MICM Record 1001 (Institution 0000) not found.
0003	Application not found in application table.
0004	No MICM 0211 records loaded into application table.
0005	MICM Record 6000 not found.
0006	MICM Record 6080 (type 1) not found.

Code	Description
0007-0011	READ NEXT failed on MICM Record 6080.
0012	MICM Record 6084 not found.
0013	READ NEXT failed on MICM Record 6084.
0014	GET STORAGE failed in called module ANB886.
0015	FREE STORAGE failed in called module ANB886.
0016	EXPAND STORAGE failed in called module ANB886.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND411 – Statement Print – Format A (Portrait Version)

Purpose This program prints Analysis statements in Format A using the Sorted Statement File. (Format A is 86 positions in width and does not display the full length of the amount and rate fields.)

Analysis statements can be printed at the account or group level, depending on the statement type specified for the account or group.

- The account level statement type specifies either detail or summary.
- The group level statement type specifies either detail or summary by group, or for each account within a group.

In addition, the program prints the Daily Balance section of the statement based on the group/account level options.

Note: An invoice can be optionally printed as part of the statement by calling subroutine ANB461.

The statement line descriptions, payment code descriptions, and transaction descriptions are loaded to tables from the MICM Code Description records for later use in printing the statements.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

Record	Ext Record Code	Name	Description
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-090 – Analysis Statement – Format A (Portrait Version)

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 MICM file.
0002	MICM Record 1001 (Institution 0000) not found.
0003	Application not found in application table.
0004	No MICM 0211 records load into application.
0005	MICM Record 6000 not found.
0006	MICM Record 6080 (type A) not found.
0007-0008	READ NEXT failed on MICM Record 6080 (type A).
0009-0010	READ NEXT failed on MICM Record 6080 (type Y).

Code	Description
0011	MICM Record 6084 not found.
0012	READ NEXT failed on MICM Record 6084.
0013	Invalid return from Initialize MICM Table – AN90INCL – ANB886.
0014	Invalid return from Free MICM Table – ANB886.
0015	Invalid return from Expand MICM Table – AN85PGRP ANB886.
7001	First record for an account invoice is not record type O in called module ANB460.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND420 – Statement Print – Format 2 (Wide Version)

Purpose

This program prints Analysis statements in Format 2 using the Sorted Statement File. (Format 2 is 132 positions in width and is one of two wide formats offered by Account Analysis.)

Analysis statements can be printed at the account or group level, depending on the statement type specified for the account or group.

- The account level statement type specifies either detail or summary.
- The group level statement type specifies either detail or summary by group, or for each account within a group.

In addition, the program prints the Daily Balance section of the statement based on the group/account level options.

Note: Invoices can be optionally printed as part of the statement by calling subroutine ANB460 to format the invoice print lines. The layout is the same as the AND460 invoice layout.

The statement line descriptions, payment code descriptions, and transaction descriptions are loaded to tables from the MICM Code Description records for later use in printing the statements.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

Record	Ext Record Code	Name	Description
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-136 – Analysis Statement – Format 2 (Wide Version)

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	MICM Record 1001 (Institution 0000) not found.
0003	Application not found in application table.
0005	No MICM 0211 records loaded into application table.
0006	MICM Record 6000 not found.
0007	MICM Record 2007 (report 136) not found.
0008	MICM Record 6080 (type 2) not found.
0009	READ NEXT failed on MICM Record 6080 (type 2).

Code	Description
0011	READ NEXT failed on MICM Record 6080 (type 2).
0012	MICM Record 6080 (type 4) not found.
0013-0014	READ NEXT failed on MICM Record 6080 (type 4).
0015	MICM Record 6084 not found.
0016	READ NEXT failed on MICM Record 6084.
0017	OPEN failed on BNK.
7001	First record for an account invoice is not record type O in called module ANB460.
7002	Table exceeded for invoice transactions in called module ANB460.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND421 – Statement Print – Format B (Portrait Version)

Purpose This program prints Analysis statements in Format B using the Sorted Statement File. (Format B is 86 positions in width and does not display the full length of the amount or rate fields.)

Analysis statements can be printed at the account or group level, depending on the statement type specified for the account or group.

- The account level statement type specifies either detail or summary.
- The group level statement type specifies either detail or summary by group, or for each account within a group.

In addition, the program prints the Daily Balance section of the statement based on the group/account level options.

Note: An invoice can be optionally printed as part of the statement by calling subroutine ANB461.

The statement line descriptions, payment code descriptions, and transaction descriptions are loaded to tables from the MICM Code Description records for later use in printing the statements.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record

Record	Ext Record Code	Name	Description
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-091 – Analysis Statement – Format B (Portrait Version)

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 BNK.
0002	MICM Record 1001 (Institution 0000) not found.
0003	Application not found in application table.
0004	No MICM 0211 records loaded into application table.
0005	MICM Record 6000 not found.
0006	MICM Record 6080 (type B) not found.
0007	MICM Record 6080 not found.
0008	READ NEXT failed on MICM Record 6080 (type B).

Code	Description
0009	MICM Record 6080 (type Z) not found.
0010	READ NEXT failed on MICM Record 6080.
0011	MICM Record 6084 not found.
0012	READ NEXT failed on MICM Record 6084.
0013	Invalid return from Initialize MICM Table – AN90INCL-ANB886.
0014	Invalid return from Free MICM Table – ANB886.
0015	Invalid return from Expand MICM Table – AN85PGRP-ANB886.
7001	First record for an account invoice is not record type O in called module ANB460.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND455 – TMA Statement EDI Transmission Creation

Purpose This program produces a file (ANTMAT) in the format defined for EDI transmission of Analysis data based on guidelines established by the Association for Financial Professionals (AFP). ANTMAT can be created in a fixed or compressed format using MICM Record 6060.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6060	M60	MI6060-RECORD	Analysis TMA EDI ISA Segment Data Record
6061	M61	MI6061-RECORD	Analysis TMA EDI Account Information Record
6062	M62	MI6062-RECORD	Analysis TMA EDI Sender Information Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6083	M83	MI6083-RECORD	Analysis TMA Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDT	Control Card	Input	Card	Sequential	80
ANSTMS	EDI Statement File	Input	Disk	Sequential	Variable
ANTMAT	TMA EDI Transmission File	Output	Disk	Sequential	200

Reports

None

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 05	2	SER (service charges) data element 235 code. Valid entries are: DE TMA codes prior to 1993. TB TMA codes after 1992.
06 – 80	75	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	Control card not found.
0002	Application number on control card is not 06 .
0003	SER code on control card is not DE or TB .
0004	OPEN failed on BNK.
0005	Invalid data on ANSTMS.
0006	READ failed on MICM Record 6083.
0007	READ NEXT failed on MICM Record 6083.

Code	Description
0008	Application not found in application table.
0009	WRITE failed on ANTMAT. File is full.
0010	No MICM 0211 records loaded into the application table.
0011	READ failed on MICM Record 6000.
0012	READ failed on MICM Record 6060.
0013	READ failed on MICM Record 6062.
0014	READ failed on MICM Record 2007 (report 097).

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND456 – TMA Statement EDI Transmission Creation – Version 4010

Purpose This program creates the electronic data file equivalent (ANTMAN) of the Account Analysis Statement. ANTMAN is created using the Version 4010 standards (i.e., Transaction Set 822 (TS), Version 4, Release 1) published by the American National Standards Institute (ANSI) – Accredited Standards Committee (ASC X12). ANTMAN can be created in a fixed or compressed format using MICM Record 6063.

Note: ANTMAN is based on the 1998 AFP standards and guidelines.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6063	M63	MI6063-RECORD	Analysis Interchange Control Parameter Record
6064	M64	MI6064-RECORD	Analysis Interchange Receiver Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record

API Application
Records

Record	Ext Record Code	Name	Description
6083	M83	MI6083-RECORD	Analysis TMA Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

Files

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDT	Control Card	Input	Card	Sequential	80
ANSTMS	EDI Statement File	Input	Disk	Sequential	Variable
ANTMAN	TMA EDI Transmission File – Version 4010	Output	Disk	Sequential	341

Reports

None

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 05	2	SER (service charges) data element 235 code. Valid entries are: DE TMA codes prior to 1993. TB TMA codes after 1993.
06 – 80	75	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	Control card is missing.
0002	Application number on the control card is not 06 .
0003	SER code on control card is not DE or TB .
0004	OPEN failed on BNK.
0005	Invalid data on ANSTMS.
0006	READ failed on MICM Record 6083.
0007	READ NEXT failed on MICM Record 6083.
0008	Application not found in application table.
0009	WRITE failed on ANTMAN.
0010	No MICM 0211 records loaded into the application table.
0011	READ failed on MICM Record 6000.
0012	READ failed on MICM Record 6063.
0013	READ failed on MICM Record 2007 (report 097).

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND460 – Invoice Print

Purpose

This optional program uses input from the Pre-sorted Statement File to print stand-alone invoices. Subroutine ANB460 is called to format the invoice print lines.

Note: Invoices can be optionally printed as part of statement format 1 and/or 2 using subroutine ANB460 to format the invoice print lines.

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
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-095 – Account Analysis Invoice

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 BNK.
0002	READ failed on MICM Record 1001 (Institution 0000).
0003	Invalid print control character.
0004	Application not found in the application table.
0005	No MICM 0211 records loaded into the application table.
0006	READ failed on MICM Record 6000.
0007	READ failed on MICM Record 2007 (report 095).
0008	READ failed on MICM Record 6084.
0009	READ NEXT failed on MICM Record 6084.
7001	First record for an account invoice is not record type O in called module ANB460.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND470 – International Statement Sort

Purpose

This program reads the Updated Statement File and produces the Intermediate Sorted International Statement File and the Relationship International Statement Backup File for international statements. The Intermediate Sorted International Statement File contains records for all standalone DDA and group accounts. If the statement has copies, the copies will exist on this file.

The Relationship International Statement Backup File, a flat file that is loaded into the ANSTMR VSAM file, contains any DDA and group accounts that have their relationship indicator set to **Y**, including those with a statement type of zero. No statement copies exist on this file.

A sort key is built according to the Account Analysis report sort data contained on MICM record 2007 for each statement format. If the statements are to be sorted by ZIP code, AND470 calls SRB100 to retrieve the ZIP codes from the name and address files.

API MICM Records

Record	Ext Record Code	Name	Description
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6026	M26	MI6026-RECORD	Analysis Service Classification Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANEVNT	Event File	Input	Disk	Sequential	71
ANSTMU	Updated Statement File	Input	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANSTM RB	Relationship Statement Backup File	Output	Disk	Sequential	Variable
ANSTMM1	Intermediate Sorted International Statement File	Output	Disk	Sequential	Variable

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 BNK.
0002-0003	Invalid return from sort.
0004-0005	Invalid data on ANSTMU.
0006	READ failed on MICM Record 2001.
0007	READ failed on MICM Record 1001.
0008-0012	Invalid data on ANSTMU.
0013	Invalid sort record code returned from Sort
0014	READ failed on MICM Record 1001.
0015	READ failed on MICM Record 0301.
0016	READ failed on MICM Record 6000.
0017-0018	READ failed on MICM Record 2007, report 137.
0019-0020	READ failed on MICM Record 2007, report 138.
0021	READ failed on BNK, Institution zero.
0022	READ failed on MICM Record 6023.
0023	READ failed on MICM Record 6026.

Code	Description
0024	Invalid return from 6023 Table initialization.
0025	Invalid return from 6023 Table free.
0026	Invalid return from 6023 Table expansion.
0027	Invalid return from 6026 Table initialization.
0028	Invalid return from 6026 Table free.
0029	Invalid return from 6026 Table expansion.
0030	Invalid return from 6023 Table initialization.
0031	Invalid return from 6023 Table free.
0032	Invalid return from 6023 Table expansion.
0033	Invalid record code for write of ANSTMM1.

Rerun Procedures

Correct the error and run the job exactly as before.

AND473 – International Statement Expand and Sort

Purpose This program creates the final Sorted International Statement File by extracting standalone accounts and building relationships for groups on the ANSTMM1 File. The XRC file is used to determine relationships for a group, then related group/DDA statement records are extracted from ANSTMR. The sort fields are copied from the group and applied to the related accounts coming from ANSTMR.

The EDI Statement File is optionally generated. In addition, an optional Trigger file can be generated for input to the custom statement extract process.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSTMR	Relationship Statement File	Input	Disk	Sequential	3046
ANSTMM1	Intermediate Sorted International Statement File	Input	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANSTMM	Sorted International Statement File	Output	Disk	Sequential	Variable
ANSTMX	EDI Statement File	Output	Disk	Sequential	Variable
ANTRIG	Statement Repository Trigger File	Output	Disk	Sequential	46

Reports None

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Trigger file option. Valid entries are: N Do not create Trigger file. Y Create Trigger file. Note: If no card is supplied, the default is N .
04 – 80	77	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 on BNK.
0002	Initialization of XRC Relationship Table failed
0003	Initialization of XRC Ultimate Group Table failed.
0004	Initialization of XRC 1-up Table failed.
0005	Initialization of XRC 1-down Table failed.
0006	Invalid sort return.
0007	Record ID in first record of a set of statement records is not D .
0008	GET Relationship routine failed.
0010-0013	READ NEXT failed on ANSTMR.
0014	Control card option not equal to N or Y .
0015	Multi-institution relationship encountered with differing MICM Record 6000 lead days (see account information in Abort display messages and Rerun Procedures below).

Rerun Procedures If the program aborts with code 0015, perform the following steps:

1. Restore files from a backup taken before the earlier execution of AND180.
2. Correct the differing MICM Record 6000 Lead Days setting(s) across the institutions.
3. Rerun the daily batch cycle from the point of the backup through AND180 and beyond.

If the program aborts with a code other than 0015, correct the error and run the job exactly as before.

If you require assistance, contact the Analysis programmer.

AND475 - International Statement Print

Purpose

This program prints Analysis international statements in Format M and N using the International Sorted Statement File. These statements include multi-currency/multi-lingual and Value Added Tax (VAT) processing. The Format N statement does not print Balance Conversion, Balance Information, and Balance Compensation sections. Both formats are 132 positions in width.

Analysis statements can be printed at the account or group level, depending on the statement type specified for the account or group.

- The account level statement type specifies detail or summary.
- The group level statement type specifies detail or summary by group, or for each account within a group.

The statement line descriptions, statement literals, tax invoice line descriptions, payment code descriptions, and transaction descriptions are loaded to tables from the MICM Code Description records for later use in printing the statements.

Note: Billing invoices can be optionally printed as part of the statement by calling subroutine ANB475 to format the invoice print lines. The layout is the same as the AND460 invoice layout. Tax invoices are printed if the MICM 6000 Record Tax Processing Option is turned on.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

Record	Ext Record Code	Name	Description
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record
6090	M90	MI6090-RECORD	Analysis Tax Invoice Descriptions

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
TIS	ANTIS-RECORD	Tax Invoice Sequence Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANSTMM	International Sorted Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-137 – Analysis International Statement – Format M
 06-138 – Analysis International Statement – Format N

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 BNK.
0002	READ failed on MICM Record 1001 (Institution 0000).
0003	Error on input; record for Balance Conversion section is missing.
0004	Error on input; record for Balance Information section is missing.
0005	TIS record 16 has exceeded 200 entries.
0006	Table containing Activity Charges by currency has exceeded maximum size (WS-ACTMAX).
0007	Table containing Service Charges by currency has exceeded maximum size (WS-CRTAX).
0008	TIS record not found.
0009-0010	Invalid return from TIS.
0011	Application not found in application table.
0012	READ failed on MICM Record 0301.
0013	No MICM 0211 records loaded into the application table.
0014	READ failed on MICM Record 6000.
0015	START failed on MICM Record 6080 (type M or N).
0016-0018	READ NEXT failed on MICM Record 6080.
0019	No 6080 records loaded in table for format M or N.
0020	START failed on MICM Record 6084.
0021	READ NEXT failed on MICM Record 6084.
0022	START failed on MICM Record 6090.
0023	READ NEXT failed on MICM Record 6090.
0024	Table for Tax Regions' descriptions has exceeded maximum number of tax regions allowed (WS-TXRGNSIZE).
0025	Table for Tax Regions' descriptions has exceeded maximum descriptions per region (WS- TXSIZE).
0026	No 6090 records loaded in table.
0027-0028	READ failed on MICM Record 6023.
0029	Invalid return from Initialize MICM Table – ANB886.

Code	Description
0030	Invalid return from Free MICM Table – ANB886.
0031	Invalid return from Expand MICM Table – ANB886.
0032	Tax invoice customer number was not found in the table of Accounts Included.
7001	First record for an account invoice is not record type O.

Rerun Procedures Correct the error, restore TIS to its original state, and rerun the job.

AND480D – Statement Repository Domestic File Sort

Purpose This program (similar to AND400 – Statement Sort) reads the Updated Statement File and extracts and sorts domestic statements for the statement repository for those statements that have a statement history retention greater than zero. This includes snapshot, lead night and reprinted statements. All extracted statements are processed as if they have a statement type 5 so that all detail is included.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMR	Relationship Statement File	Input	Disk	Sequential	3046
ANSTMS1	Intermediate Sorted Domestic Statement File	Input	Disk	Sequential	Variable
ANWORK	Work File	I/O	Disk	Sequential	55
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANSTMSD	Repository Sorted Domestic Statement File	Output	Disk	Sequential	Variable

Report 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 BNK.
0002	Invalid return from INITIALIZE Relationship Table – ANB886.
0003	Invalid return from INITIALIZE Ultimate Group Table – ANB886.
0004	Invalid return from INITIALIZE 1-up Table – ANB886.
0005	Invalid return from INITIALIZE 1-down Table – ANB886.
0006-0007	Invalid return from sort.
0008	First record on the statement file is not a type D .
0009	Invalid record to be released to sort.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND480I – Statement Repository International File Sort

Purpose This program (similar to AND470 – International Statement Sort) reads the Updated Statement File and extracts and sorts international statements (formats M and N) for the statement repository for those statements that have a statement history retention greater than zero. This includes snapshot, lead night and reprinted statements. All extracted statements are processed as if they have a statement type 5 so that all detail is included.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMM1	Intermediate Sorted International Statement File	Input	Disk	Sequential	Variable
ANSTMR	Relationship Statement File	Input	Disk	Sequential	3046
ANWORK	Work File	I/O	Disk	Sequential	55
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
ANSTMSI	Repository Sorted International Statement File	Output	Disk	Sequential	Variable

Report 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 BNK.
0002	Invalid return from INITIALIZE Relationship Table – ANB886.
0003	Invalid return from INITIALIZE Ultimate Group Table – ANB886.

Code	Description
0004	Invalid return from INITIALIZE 1-Up Table – ANB886.
0005	Invalid return from INITIALIZE 1-Down Table – ANB886.
0006-0007	Invalid SORT-RETURN following sort.
0008	Invalid data on ANSTMM1.
0009	Invalid record to be written to ANSTMSI.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND485D – Statement Repository Domestic File Extract

Purpose This program reads the Repository Sorted Domestic Statement File (ANSTMSD) and creates a sequential file of records to be loaded into the statement repository. Records are in the format of the statement repository API records.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMSD	Repository Sorted Domestic Statement File	Input	Disk	Sequential	Variable
ANSTMED	Repository Domestic Extract File	Output	Disk	Sequential	Variable

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	READ failed on MICM Record 1001.
0002	Application not found in application table.
0003	Table size exceeded for invoice activity records (P).
0004	Save table size exceeded for invoice activity records (P).
0005	No MICM 0211 records loaded into application table.
0006	READ failed on MICM Record 6000.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND485I – Statement Repository International File Extract

Purpose This program reads the Repository Sorted International Statement File (ANSTMSI) and creates a sequential file of records to be loaded into the statement repository. Records are in the format of the statement repository API records.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6090	M90	MI6090-RECORD	Analysis Tax Invoice Descriptions Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
MSG	ANMSG-RECORD	Statement Message Record
TIS	ANTIS-RECORD	Tax Invoice Sequence Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSTMSI	Repository Sorted International Statement File	Input	Disk	Sequential	Variable
ANSTMEI	Repository International Extract File	Output	Disk	Sequential	Variable

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	READ failed on MICM Record 1001.
0003	Invalid record type in ANSTMSI when WS-SKAREA 50.
0004-0005	Table limit exceeded (WS-TBLMAX).
0006	Invalid record number to be written to ANSTMEI.
0007	Number of currency conversion rates on one statement exceeds the maximum allowed (200).
0008	Table limit exceeded (WS- ACTMAX).
0009	Table limit exceeded (WS- CRTMAX).
0010	READ failed on TIS record.
0011	ADD/REWRITE failed on TIS record.
0012	ADD failed on TIS record.
0013	Application not found on application table.

Code	Description
0014	READ failed on MICM Record 0301.
0015	No MICM 0211 records were read.
0016	READ failed on MICM Record 6000.
0017	READ failed on MICM Record 6080.
0018	READ NEXT failed on MICM Record 6080.
0019	No MICM 6080 records found.
0020-0021	READ failed on MICM Record 6090.
0022	Table limit exceeded (WS- TXRGNSIZE).
0023	MICM 6090 description number has no matching entry in WS-TAXDESCTAB.
0024	No MICM 6090 records loaded into table.
0025-0026	READ failed on MICM Record 6023.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND488 – Statement Repository Update

Purpose

This program reads both the domestic and international statement repository extract files produced in AND485D and AND485I and updates the statement repository records by:

- Deleting older reprint or snap statement data.
- Optionally deleting lead statement data and inserting new lead statement data resulting from reprints.
- Inserting new lead, reprint or snap statement data.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
YAI	ANYAI-RECORD	Repository Accounts Included Record
YAS	ANYAS-RECORD	Repository Activity Summary Information Record
YBC	ANYBC-RECORD	Repository Balance Conversion Record
YBI	ANYBI-RECORD	Repository Balance Information – Investment Record
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record
YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
YCI	ANYCI-RECORD	Repository Customer Information Record
YDB	ANYDB-RECORD	Repository Daily Balance Record
YDT	ANYDT-RECORD	Repository Daily Balance Totals Record
YER	ANYER-RECORD	Repository Exchange Rates Record
YIA	ANYIA-RECORD	Repository Invoice Activity Record
YIB	ANYIB-RECORD	Repository Invoice OSB Record

Ext Record Code	Name	Description
YII	ANYII-RECORD	Repository Invoice Information Record
YRD	ANYRD-RECORD	Repository Recap Detail Record
YRT	ANYRT-RECORD	Repository Recap Totals Record
YSD	ANYSD-RECORD	Repository Service Detail Record
YST	ANYST-RECORD	Repository Service Totals by Currency Record
YTD	ANYTD-RECORD	Repository Taxed Service Detail Record
YTE	ANYTE-RECORD	Repository Tax Invoice Exchange Rates Record
YTI	ANYTI-RECORD	Repository Customer Tax Information Record
YTS	ANYTS-RECORD	Repository Total Taxed Summary Record

Reports

06-800 – Statement Repository Update Report

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSTMED	Repository Domestic Extract File	Input	Disk	Sequential	Variable
ANSTMEI	Repository International Extract File	Input	Disk	Sequential	Variable
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card and is required. The format is as follows:

Columns	Size	Description
01 – 02	2	Not used.
03 – 03	1	Snap option. Valid entries are: N Do not retain snap statement data on repository. Y Retain snap statement data on repository.

Columns	Size	Description
04 – 04	1	Reprint option. Valid entries are: R Replace lead statement data with reprinted data. S Retain reprint statement data separately.
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	Control card missing.
0002	Invalid snap option on control card.
0003	Invalid reprint option on control card.
0004	READ failed on BNK.
0005	Invalid sort return.
0006	Invalid record number.
0007-0008	READ failed on YCI.
0009	Invalid record number.
0010	READ failed on YCI.
0011	DELETE failed on YCI.
0012	ADD failed on YCI.
0013	READ failed on YAI.
0014	DELETE failed on YAI.
0015	ADD failed on YAI.
0016	READ failed on YBC.
0017	DELETE failed on YBC.
0018	ADD failed on YBC.
0019	READ failed on YBN.
0020	DELETE failed on YBN.
0021	ADD failed on YBN.
0022	READ failed on YBI.
0023	DELETE failed on YBI.
0024	ADD failed on YBI.
0025	READ failed on YBW.

Code	Description
0026	DELETE failed on YBW.
0027	ADD failed on YBW.
0028	READ failed on YER.
0029	DELETE failed on YER.
0030	ADD failed on YER.
0031	READ failed on YAS.
0032	DELETE failed on YAS.
0033	ADD failed on YAS.
0034	READ failed on YRD.
0035	DELETE failed on YRD.
0036	ADD failed on YRD.
0037	READ failed on YRT.
0038	DELETE failed on YRT.
0039	ADD failed on YRT.
0040	READ failed on YSD.
0041	DELETE failed on YSD.
0042	ADD failed on YSD.
0043	READ failed on YST.
0044	DELETE failed on YST.
0045	ADD failed on YST.
0046	READ failed on YDB.
0047	DELETE failed on YDB.
0048	ADD failed on YDB.
0049	READ failed on YDT.
0050	DELETE failed on YDT.
0051	ADD failed on YDT.
0052	READ failed on YII.
0053	DELETE failed on YII.
0054	ADD failed on YII.
0055	READ failed on YIB.
0056	DELETE failed on YIB.
0057	ADD failed on YIB.

Code	Description
0058	READ failed on YIA.
0059	DELETE failed on YIA.
0060	ADD failed on YIA.
0061	READ failed on YTI.
0062	DELETE failed on YTI.
0063	ADD failed on YTI.
0064	READ failed on YTD.
0065	DELETE failed on YTD.
0066	ADD failed on YTD.
0067	READ failed on YTS.
0068	DELETE failed on YTS.
0069	ADD failed on YTS.
0070	READ failed on YTE.
0071	DELETE failed on YTE.
0072	ADD failed on YTE.
0073	Invalid record number returned from sort.
0074	Table exceeded (WS-ENTRIES).
0075	Table limit exceeded (WS-TBLMAX).
0076	Attempt to overwrite table entry (WS-TINST).

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND490 – Statement Repository Extract

Purpose This program, which is compatible with statement formats M and N, reads the Statement Repository Trigger File (ANTRIG) and extracts all applicable statement data from the statement repository. This creates an edited text file which can be passed to a custom statement formatter application.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Account Type Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameter Record
6080	M80	MI6080-RECORD	Analysis Statement Line Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6084	M84	MI6084-RECORD	Analysis Payment Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record
6090	M90	MI6090-RECORD	Analysis Tax Invoice Descriptions Record

API Application Records

Ext Record Code	Name	Description
YAI	ANYAI-RECORD	Repository Accounts Included Record
YAS	ANYAS-RECORD	Repository Activity Summary Information Record
YBC	ANYBC-RECORD	Repository Balance Conversion Record
YBI	ANYBI-RECORD	Repository Balance Information – Investment Record
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record

Ext Record Code	Name	Description
YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
YCI	ANYCI-RECORD	Repository Customer Information Record
YDB	ANYDB-RECORD	Repository Daily Balance Record
YDT	ANYDT-RECORD	Repository Daily Balance Totals Record
YER	ANYER-RECORD	Repository Exchange Rates Record
YIA	ANYIA-RECORD	Repository Invoice Activity Record
YIB	ANYIB-RECORD	Repository Invoice OSB Record
YII	ANYII-RECORD	Repository Invoice Information Record
YRD	ANYRD-RECORD	Repository Recap Detail Record
YRT	ANYRT-RECORD	Repository Recap Totals Record
YSD	ANYSD-RECORD	Repository Service Detail Record
YST	ANYST-RECORD	Repository Service Totals by Currency Record
YTD	ANYTD-RECORD	Repository Taxed Service Detail Record
YTE	ANYTE-RECORD	Repository Tax Invoice Exchange Rates Record
YTI	ANYTI-RECORD	Repository Customer Tax Information Record
YTS	ANYTS-RECORD	Repository Total Taxed Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANTRIG	Statement Repository Trigger File	Input	Disk	Sequential	72
ANREPX	Statement Repository Extract File	Output	Disk	Sequential	Variable

Reports

None

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card exists, all institutions process with options defaulting. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 04	1	Recalc/Reprint storage option. Indicates whether recalc/reprint data is stored separately on the repository. Valid entries are: N Recalc/Reprint statement data is not stored separately. Recalc/Reprint data overlays the original lead night statement data on the statement repository. Y Recalc/Reprint statement data is stored separately from the lead night statement data on the statement repository.
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	READ failed on ANCARD.
0002	Application number on the control card is invalid.
0003	Recalc/Reprint Storage option on control card is invalid.
0004	READ failed on BNK.
0005	READ failed on YCI.
0006	Return from User Exit (ANB490) is invalid.
0007-0008	READ failed on YCI.
0009	READ failed on MICM Record 1003.
0010	READ failed on YBN.
0011-0012	READ failed on YER.
0013-0016	READ failed on YAS.
0017	READ failed on YBN.
0018	READ failed on YAS.
0019-0020	READ failed on YSD.
0021-0024	READ failed on YST.
0025	READ failed on MSG.
0026	READ failed on YII.

Code	Description
0027	READ failed on YIB.
0028	Table limit exceeded (ws-otsub).
0029	READ failed on YIA.
0030	Table limit exceeded (ws-otsub).
0031	READ failed on YTI.
0032-0033	READ failed on YTD.
0034	READ failed on YTS.
0035-0036	READ failed on MICM Record 6023.
0037-0038	READ failed on YTE.
0039	READ failed on MICM Record 6080.
0041	READ failed on MICM Record 6082.
0042	Table limit exceeded (T82IX).
0043	READ failed on MICM Record 6084.
0044	Table limit exceeded (T84IX).
0045	READ failed on MICM Record 6090.
0046	Table limit exceeded (T90IX).
0047	READ failed on MICM Record 1001.
0048-0049	READ failed on YAI.
0050	Invalid return from Table initialization.
0051	Invalid return from Table free.
0052	Invalid return from Table expansion.
0053	Invalid return from Table initialization.
0054	Invalid return from Table free.
0055	Invalid return from Table expansion.
0056	Invalid return from Table initialization.
0057	Invalid return from Table free.
0058	Invalid return from Table expansion.
0059	Invalid return from Table initialization.
0060	Invalid return from Table free.
0061	Invalid return from Table expansion.
0062	Invalid return from Table initialization.
0063	Invalid return from Table free.

Code	Description
0064	Invalid return from Table expansion.
0065	Invalid return from Table initialization.
0066	Invalid return from Table free.
0067	Invalid return from Table expansion.
0068	Invalid return from Table initialization.
0069	Invalid return from Table free.
0070	Invalid return from Table expansion.
0071	READ failed on YST.
0072	READ failed on YCI.
0073	READ failed on MICM Record 6000.
0074	Table limit exceeded (ws-6000-sub).
0075	MICM Record 0211 not found for application.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND495 – Non-TMA Statement EDI Transmission Creation

Purpose This program produces the EDI Transmission File from Account Analysis information used to generate non-TMA format statements. The file can be created in a fixed or compressed format. (This format option is set on MICM Record 6060.)

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6060	M60	MI6060-RECORD	Analysis TMA EDI ISA Segment Data Record
6061	M61	MI6061-RECORD	Analysis TMA EDI Account Information Record
6062	M62	MI6062-RECORD	Analysis TMA EDI Sender Information Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCRDT	Control Card	Input	Card	Sequential	80
ANSTMS	EDI Statement File	Input	Disk	Sequential	Variable
ANEDI1	EDI Transmission File	Output	Disk	Sequential	200

Reports

None

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 03	1	Not used.
04 – 05	2	SER (service charges) data element 235 code. Valid entries are: DE TMA codes prior to 1993. TB TMA codes after 1993.
06 – 80	75	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	SER data element code on the control card is invalid.
0004	OPEN failed on BNK.
0005	READ failed on MICM Record 1001 (Institution 0000).
0006	Invalid data on ANSTMS.
0007	Application not found in application table.

Code	Description
0008	WRITE failed on ANEDI. File is full.
0009	No MICM 0211 records loaded into the application table.
0010	READ failed on MICM Record 6000 (institution).
0011	READ NEXT failed on MICM Record 6060.
0012	READ NEXT failed on MICM Record 6062.
0013	READ failed on MICM Record 6080.
0014	READ NEXT failed on MICM Record 6080.
0015	READ failed on MICM Record 6080.
0016	READ NEXT failed on MICM Record 6080.
0017	Description table is empty.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

AND500 – Service Charge Extract

Purpose This program reads, edits, sorts, processes, and merges the Service Charge Update File created in AND200 (update) and any Service Charge Deletion cards (Form 17) into the Service Charge Record.

According to the options set up on MICM Records 6000 and 6001, extracted service charge data is deleted from the Service Charge Record and optional Extract files can be created for Proof of Deposits Plus (ANEX01), Deposits (ANEX02), a user-defined routine (ANEX03), or SuperMICR (ANEX04).

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01	MI6001-RECORD	Analysis Application Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
SCH	ANSCH-RECORD	Service Charge Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSVCU	Service Charge Update File	Input	Disk	Sequential	164
ANSVC1	Receivable Service Charge Update File	Input	Disk	Sequential	164
SORTWK1	Sort Work File	I/O	Disk	Sequential	191

Name	Description	Opened	Media	Access Mode	Record Length
ANWORK	Work File	I/O	Disk	Sequential	81
ANEX01	Extract File 1 (opt.)	Output	Tape	Sequential	80
ANEX02	Extract File 2 (opt.)	Output	Tape	Sequential	72
ANEX03	Extract File 3 (opt.)	Output	Tape	Sequential	80
ANEX04	Extract File 4 (opt.)	Output	Tape	Sequential	123
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-918 – Service Charge Extract Report
 06-919 – Service Charge Maintenance Report

Control Card

The control cards are inserted in the job stream after the execute card and before any data. There must be one control card for each institution. They need not be in any sequence since they are sorted by the program.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 06	4	Institution number.
07 – 07	1	Valid entry is *.
08 – 08	1	Not used.
09 – 09	1	Option to create separate tapes for each institution for each Extract File. Valid entries are: N Combine all institution on one tape for each Extract File. Y Create separate tape for each institution.
10 – 10	1	Option to print the detail for extracted items only on report 06-918. Valid entries are: N Print all detail. Y Print detail for extracted items only.
11 – 11	1	Print/Fiche code for Service Charge Maintenance Report. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.

Columns	Size	Description
12 – 12	1	Print/Fiche code for Service Charge Extract Report. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
13 – 80	68	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	READ failed on BNK.
0002	READ failed on MICM Record 1001.
0003	Invalid return from sort.
0004	Application number on the control card is invalid.
0005	Institution number on the control card is not numeric.
0006	Print table limit exceeded (WS-INSTSIZE).
0007-0008	Control card is missing.
0009	MICM Record 0211 not found for application.
0010	OPEN failed on SCH.
0011	READ NEXT failed on SCH.
0012	DELETE failed on SCH.
0013	Global Commit failed on SCH.
0014	Add failed on SCH.
0015	Global Commit failed on SCH.
0016	REWRITE failed on SCH.
0017	Global Commit failed on SCH.
0018	DELETE failed on SCH.
0019	Global Commit failed on SCH
0020	Bank not found in the Bank Pointer Table.
0021	Application not found in the Application Pointer Table.
0022	READ failed on BNK.
0023	READ failed on MICM Record 1001.

Code	Description
0024	MICM Record 0211 not found.
0025	MICM Record 6000 not found.
0026	READ failed on MICM Record 6001.
0027	Record not found on MICM Record 0211.
0028	READ failed on MICM Record 6001.
0029	MICM Record 6001 not found.
0030	READ failed on MICM Record 6001.
0031	READ failed on BNK (Institution 0000).
0032	READ failed on MICM Record 1001.
0033	BROWSE failed on SCH.
0034	Invalid return of READ NEXT on SCH file.
0035	Application totals table size exceeded (WS-CSUB).
0036	Institution totals table size exceeded (WS-ISUB).
0037	Application totals table size exceeded (WS-CSUB).
0038	Institution totals table size exceeded (WS-ISUB).
0039	Invalid key on ANEX01.
0040	Invalid key on ANEX02.
0041	Invalid key on ANEX04.
0042	DELETE failed on SCH.
0043	Global Commit failed on SCH.
0044	Invalid return from sort.
0045	Dataset ANWORK is full.
0046	READ failed on MICM Record 6001 (Institution 0000).
0047	Institution pointer table exceeded.
0048	READ NEXT failed on MICM Record 6001.
0049	READ failed on MICM Record 0211.
0050	Application pointer table exceeded.
0051	READ NEXT failed on MICM Record 0211.
0052	Institution pointer not found on bank pointer table.
0053	Currency table size exceeded (WS-CSUB).

Rerun Procedures

If the program aborts, depending on the error encountered, the Service Charge Record might need to be restored before you can correct the error. After correcting the error, run this job exactly as before. If you require assistance, contact the Analysis programmer.

AND900 – General Ledger Interface

Purpose This program creates General Ledger Interface records. There are four processing phases used to create the General Ledger Interface Extract File and report.

- The service charge and service code information is only extracted once a month; this is determined by the extract number of days after cycling as specified on MICM Record 6001 (Analysis Application Parameters).
- General Ledger entries for interest payments (Formula B) are extracted on extract nights.
- Any entries related to receivable accounts are extracted on lead nights.
- The following predetermined General Ledger accumulator numbers are extracted on a daily basis.

Note: If you are using the auto debit adjustment feature, all GL accumulators can be adjusted daily. Refer to the General Ledger Interfacing section of the Application Processing chapter in *Procedures Guide 1* for a complete list of GL accumulator numbers.

GL Accum Number	Description
00015	Receivable SCAMT, ECHRG, and LCHG
00020	Receivable late charges
00100	Daily explicit charges
00941	Disputed payments
00943	GL balance brought forward
00945	GL user amount
00951	Billed payments received
00953	Billed payments generated
00955	Billed late charges received
00957	Billed payments write-offs
00959	Billed payments waived
00961	Billed late charges write-offs
00963	Billed late charges waived
00965	Billed payments refunded
00967	Billed late charges refunded
00969	Generated direct debit
00971	Generated write-off
00973	Write-off recovery
00975	Waived receivable
00980	Explicit charges – direct

API MICM Records

Record	Ext Record Code	Name	Description
0237	M60	MI0237-RECORD	Program Interface Parameters Record
0242	M85	MI0242-RECORD	Employee Information Record
0301	M63	MI0301-RECORDS	Application System Option Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
6070	M70	MI6070-RECORD	Analysis GL Interface Control Record
6071	M71	MI6071-RECORD	Analysis GL Interface Key Control Record
6072	M72	MI6072-RECORD	Analysis GL Interface Service Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Ext Record Code	Name	Description
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANGLTO	General Ledger Today File	Input	Disk	Sequential	608
SORTWK1	Sort Work File	I/O	Disk	Sequential	380
ANGLEW	General Ledger Interface Work File	I/O	Disk	Sequential	380
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-923 – General Ledger Report (FCS 5.0)

Control Card

This control card is used to establish if the General Ledger Report is produced in detailed or summary format and whether it is to go to fiche or print. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
04 – 04	1	Print detail/summary report code. Valid entries are: D Print detail report. T Print summary report.
05 – 05	1	Transaction description code. Valid entries are: b or N Use original transaction description. Otherwise Use internal transaction description.
06 – 80	75	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Print/Fiche code on the control card is invalid.
0004	Print detail/summary report code on the control card is invalid.
0005	Invalid return from INITIALIZE Final Pricing Table – ANB886.
0006	Invalid return from INITIALIZE Pricing Entry Table – ANB886.
0007	Invalid return from INITIALIZE STW Table – ANB886.
0008	READ failed on BNK.
0009	READ failed on MICM Record 1001.
0010	Invalid return from sort.
0011	READ NEXT failed on DMS.
0012	READ NEXT failed on GMS.
0013	Table limit exceeded (WS-ITMAX).
0014	Table limit exceeded (WS-TIMAX).
0015	READ NEXT failed on TRN.
0016	READ failed on MICM Record 0242.
0017	READ failed on MICM Record 2001.
0018	READ failed on BNK.
0019	READ failed on MICM Record 6000.
0020	READ failed on MICM Record 0237.
0021-0022	READ NEXT failed on MICM Record 2001.
0023	Table limit exceeded (WS-SUBBRLIMIT).
0024	READ failed on MICM Record 0242.
0025	READ NEXT failed on MICM Record 0242.
0026	READ failed on MICM Record 6072.
0027	READ NEXT failed on MICM Record 6072.
0028	Table limit exceeded (WS-SUBCLIMIT).
0029	READ failed on MICM Record 6070.
0030	READ NEXT failed on MICM Record 6070.
0031	Table limit exceeded (WS-SUB1LIMIT).

Code	Description																										
0032	READ failed on MICM Record 6071.																										
0033	Table limit exceeded (WS-SUBA3LIMIT).																										
0034	READ failed on MICM Record 1001.																										
0035	WRITE failed on ANGLEW.																										
0036	Table limit exceeded (WS-AMAX).																										
0037	READ failed on BNK.																										
0038	Invalid return from the user Interface program.																										
0039	READ failed on MICM Record 6028.																										
0040	Invalid return from INITIALIZE Waive Table – ANB886.																										
0041	Invalid return from FREE Waive Table – ANB886.																										
0042	Invalid return from EXPAND Waive Table – ANB886.																										
0043	Check abort routine.																										
0044	READ failed on GHT.																										
0045	READ failed on GHT.																										
0047	BROWSE failed on GMS.																										
0048	READ failed on GHT.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table border="1"> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr> <td>1000-1299</td> <td>ANP010</td> </tr> <tr> <td>1300-1399</td> <td>ANP013</td> </tr> <tr> <td>1400-1419</td> <td>ANP014</td> </tr> <tr> <td>1420-1499</td> <td>ANP014L</td> </tr> <tr> <td>1700-1799</td> <td>ANP011</td> </tr> <tr> <td>1800-1899</td> <td>ANP018</td> </tr> <tr> <td>1900-1999</td> <td>ANP019</td> </tr> <tr> <td>2000-2049</td> <td>ANP200</td> </tr> <tr> <td>2050-2059</td> <td>ANP205</td> </tr> <tr> <td>2060-2099</td> <td>ANP206</td> </tr> <tr> <td>2100-2150</td> <td>ANP202</td> </tr> <tr> <td>2150-2199</td> <td>ANP036</td> </tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2150	ANP202	2150-2199	ANP036
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1420-1499	ANP014L																										
1700-1799	ANP011																										
1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2150	ANP202																										
2150-2199	ANP036																										
4000	Invalid return from INITIALIZE FPT Table – ANB886.																										
4001	Invalid return from FREE FPT Table – ANB886.																										
4002	Invalid return from EXPAND FPT Table – ANB886.																										

Code	Description
4010	Invalid return from INITIALIZE PET Table – ANB886.
4011	Invalid return from FREE PET Table – ANB886.
4012	Invalid return from EXPAND PET Table – ANB886.
4020	Invalid return from INITIALIZE PCT Table – ANB886.
4021	Invalid return from FREE PCT Table – ANB886.
4022	Invalid return from EXPAND PCT Table – ANB886.
4040	Invalid return from INITIALIZE STW Table – ANB886.
4041	Invalid return from FREE STW Table – ANB886.
4042	Invalid return from EXPAND STW Table – ANB886.
7100	READ NEXT failed on BNK.
7101	READ failed on MICM Record 6015.
7102	Entry not found in SPH Pricing Hierarchy Table.

AND915 – Tax General Ledger Interface to FCS 5.0

Purpose

This program creates tax General Ledger interface records for Infopoint FCS 5.0. All entries are input to this program on the Sorted Tax General Ledger File (ANTXGS) from AND250. The GL account number and GL cost center are used from MICM Record 6070 (host institution) unless there is a tax region override indicating that MICM Record 6071 should be used. If the MIM-6000GLCC field is equal to **B**, the account's branch number is used (on all records) for the GL cost center. For services posted to a taxing region, a MICM Record 6073 is read for the GL accumulator numbers used to report the taxable service amount in the account's charging currency. The following GL accumulator numbers are used to create interface records for the amounts (and/or number of items) indicated.

GL Accum Number	Description
00500	Total tax amount (host currency)
00501	Total tax amount (account charging currency)
00502	Tax rate 1 amount (host currency)
00503	Tax rate 1 amount (account charging currency)
00504	Tax rate 2 amount (host currency)
00505	Tax rate 2 amount (account charging currency)
00506	Tax rate 3 amount (host currency)
00507	Tax rate 3 amount (account charging currency)
00508	Tax rate 4 amount (host currency)
00509	Tax rate 4 amount (account charging currency)
00510	Tax rate 5 amount (host currency)
00511	Tax rate 5 amount (account charging currency)
00512	Total taxable amount (account charging currency)
00513	Total non-taxable amount (account charging currency)
00514	Total zero-rated amount (account charging currency) – Tax Desg Z
00515	Total exempt amount (account charging currency) – Tax Desg E
00516	Non-taxable standard rate amt (account charging currency) – Tax Desg T
00517	Non-taxable zero-rated amt (account charging currency) – Tax Desg R

GL Accum Number	Description
00518	Non-taxable exempt amount (account charging currency) - Tax Desg N
00519	From-to amount (account charging currency)

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6070	M70	MI6070-RECORD	Analysis GL Interface Control Record
6071	M71	MI6071-RECORD	Analysis GL Interface Key Control Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANTXGS	Sorted Tax General Ledger File	Input	Disk	Sequential	349
SORTWK1	Sort Work File	I/O	Disk	Sequential	349
ANGLEW	General Ledger Interface Work File	I/O	Disk	Sequential	380
ANGLXD	General Ledger Interface Disk File	Output	Disk	Sequential	240
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-924 – General Ledger Tax Detail Report (FCS 5.0)

Control Card This control card is used to establish if the Tax General Ledger Report is produced in detailed or summary format and whether it is to go to fiche or print. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
04 – 04	1	Print detail/summary report code. Valid entries are: D Print detail report. T Print summary report.
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	Invalid return from sort.
0002	Control card is missing.
0003	Application number on the control card is invalid.
0004	Print/Fiche code on the control card is invalid.
0005	Print detail/summary report code on the control card is invalid.
0006	READ failed on BNK (Institution 0000).
0007	READ failed on MICM Record 1001 (Institution 0000).
0008	READ failed on BNK.
0009	READ failed on MICM Record 6023.
0010	READ failed on MICM Record 6000.
0012	READ failed on BNK.
0013	READ failed on MICM Record 1001.
0014	WRITE failed on ANGLEW.
0015	READ failed on MICM Record 2018.
0016	Table limit exceeded (WS-TISUBMAX).
0017	Table limit exceeded (WS-ASUBMAX).

Code	Description
0018-0020	READ failed on MICM Record 2018.
0021	ANGLEW file is out of sequence.
0022	WRITE failed on ANGLXD.
0023	GLOBAL CLOSE failed.

Rerun Procedures Correct the error and run the job exactly as before.

AND950 – Update Invoice Cross-reference

Purpose This program is run at end of day to update the IXR Record with new information created in the current daily run and to delete any records found on the XRS Record.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
XRS	ANXRS-RECORD	Cross-reference Strip Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANIXRS	Invoice Cross-reference Update File	Input	Disk	Sequential	79

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 IXR.
0002	OPEN failed on XRS.
0003	ADD failed on IXR.
0004	DELETE failed on XRS.
0005	READ NEXT failed on BNK.
0006	WRITE failed on BNK.
0007	GLOBAL CLOSE failed.

- Scalable Procedures AND950 will run once during a scalable run. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.
- Rerun Procedures Correct the error and run the job exactly as before.

AND951 – Reset Processing Status

Purpose This program is run at end of day to reset the processing status to **N** (not restricted) for each Organization Record.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
ORG	ANORG-RECORD	Organization Identification 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	Processing status on global ORG is not U .
0002	Missing global ORG.
0003	Processing status on global ORG is not U .
0004	WRITE failed on ORG.
0005	GLOBAL CLOSE failed.

Scalable Procedures AND951 will run once during a scalable run. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.

Rerun Procedures Correct the error and run the job exactly as before.

Monthly Programs

The following programs update files and records as required and produce reports that contain information required on a monthly basis.

ANM200 – Monthly Update

Purpose

This program updates the institution's product totals records on the Product Total Record with the month's services that were processed for deposit and group accounts. The Monthly Reports File is produced, containing the selected monthly product reports. An optional control card can be used to select the month to be processed.

ANM200 should be processed at month-end, unless you are using lead-day processing. If you are using lead days, do not process ANM200 until lead-day processing is completed. This program can be processed as often as needed to update the Product Total records for a particular month.

Note: When selecting a particular month through the control card, be *absolutely* sure service transactions exist for that month on the Transaction Record.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
PTO	ANPTO-RECORD	Product Total Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Random	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	81
ANRPTM	Monthly Reports File	Output	Disk	Sequential	354
ANWORK	Work File	Output	Disk	Sequential	Variable

Reports

The records for the following reports are printed by ANM350:

- 06-141 – Monthly Product Report
- 06-143 – Monthly Product Summary
- 06-145 – Monthly Product History Summary

Control Card

The control card is inserted in the job stream after the execute card. No control card is necessary if you want the system to process the most recently completed month.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 04	2	Month to be processed. Format is MM.
05 – 08	4	Year to be processed. Format is YYYY.

Columns	Size	Description
09 – 09	1	Origin option. Valid entries are B Print services by origin. N Do not print services by origin.
10 – 80	71	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	READ failed on BNK (Institution 0000).
0002	READ failed on MICM Record 1001 (Institution 0000).
0003	READ NEXT failed on DMS.
0004	READ NEXT failed on GMS.
0005	Invalid return from sort.
0006	GLOBAL CLOSE failed.
0007	READ failed on DHT.
0008	READ failed on GMS.
0009-0010	READ failed on GHT.
0011	BROWSE failed on TRN.
0012	READ failed on BNK.
0013	READ failed on MICM Record 6000.
0014	READ failed on MICM Record 1001.
0015	Date on the control card is invalid.
0016	Month Flag on BNK is not B or L .
0017	READ failed on PTO.
0018	WRITE failed on PTO.
0019	READ NEXT failed on PTO.
0020	DELETE failed on PTO.
0021	Application number on the control card is invalid.
0022	READ NEXT FOR UPDATE failed on PTO.
0023	REWRITE failed on PTO.
0024	WRITE failed on ANRPTM.
0025	Reserved service code not found on MICM Record 6015/6016 (Service Code 0002).

Code	Description
0026	Reserved service code not found on MICM Record 6015/6016 (Service Code 0017).
0027	Reserved service code not found on MICM Record 6015/6016 (Service Code 0021).
0028	Reserved service code not found on MICM Record 6015/6016 (Service Code 0022).
0029	Reserved service code not found on MICM Record 6015/6016 (Service Code 0023).
0030	Reserved service code not found on MICM Record 6015/6016 (Service Code 0035).
0031	Reserved service code not found on MICM Record 6015/6016 (Service Code 0036).
0032	Reserved service code not found on MICM Record 6015/6016 (Service Code 0043).
0033	Reserved service code not found on MICM Record 6015/6016 (Service Code 0044).
0034	Reserved service code not found on MICM Record 6015/6016.
0035	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0002).
0036	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0017).
0037	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0021).
0038	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0022).
0039	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0023).
0040	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0035).
0041	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0036).
0042	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0043).
0043	Reserved service code not found on alternate MICM Record 6015/6016 (Service Code 0044).
0044	Reserved service code not found on MICM Record 6015/6016.

Code	Description						
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). At the call to abort, the value in field WS-FUNCTION indicates the problem encountered, as listed below. <table><thead><tr><th>Values</th><th>Reason</th></tr></thead><tbody><tr><td>F, G, V</td><td>FROM currency is invalid</td></tr><tr><td>T, H, U</td><td>TO currency is invalid</td></tr></tbody></table>	Values	Reason	F, G, V	FROM currency is invalid	T, H, U	TO currency is invalid
Values	Reason						
F, G, V	FROM currency is invalid						
T, H, U	TO currency is invalid						
7100-7102	Service pricing record not found on MICM Record 6015/6016.						

Rerun Procedures

If the program aborts, depending on the error encountered, the Product Total Record may need to be restored before you can correct the error. After correcting the error, run the job exactly as before. If you require assistance, contact the Analysis programmer.

ANM340 – Monthly Report Sort

Purpose This program sorts the data records for the monthly reports. The data is read and sorted from the Monthly Reports File created in ANM200 (Monthly Update) and written to the Sorted Monthly Reports File. A sort key is appended to the report records.

API MICM Records

Record	Ext Record Code	Name	Description
0301	M63	MI0301-RECORD	Application System Option Flags
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANRPTM	Monthly Reports File	Input	Disk	Sequential	354
SORTWK1	Sort Work File	I/O	Disk	Sequential	451
ANRPT2	Sorted Monthly Reports File	Output	Disk	Sequential	477

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	Report number on ANRPTM is invalid.
0002	READ failed on MICM Record 2001.
0003	READ failed on MICM Record 1001.
0004	READ failed on BNK.
0005	READ failed on MICM Record 2007.
0007	READ failed on MICM Record 6000.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANM350 – Monthly Report Print

Purpose This program serves as a root program to print selected Account Analysis monthly product reports. Each report has a corresponding format program. ANM350 uses I/O routines to access the MICM Master File or the Institution Control Record. If master file/record information is needed during the formatting of a print line, the format program uses ANM350 to access and pass back the information. Then, the format program completes the formatting of the print line and returns control to ANM350 for printing. ANM350 receives report information from the Sorted Monthly Reports File (ANRPT2) produced by ANM340. A control card allows you to select a range of reports to be printed. Multiple control cards can be used.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record
6082	M82	MI6082-RECORD	Analysis Service Type Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPT2	Sorted Monthly Reports File	Input	Disk	Sequential	477
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

Name	Called Program
06-141 – Monthly Product Report	ANG141
06-143 – Monthly Product Summary	ANG143
06-145 – Monthly Product History Summary	ANG145

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. There may be multiple control cards. No control card is needed if you are not selecting reports.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 05	3	Starting report number.
06 – 08	3	Ending report number.
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	READ failed on BNK (Institution 0000).
0002	READ failed on MICM Record 1001.
0003	Invalid data on ANRPT2.

Code	Description
0004	Application number on the control card is invalid.
0005	Starting report number on the control card is invalid.
0006	Ending report number on the control card is invalid.
0007	Invalid report number on ANRPT2.
0008	Abort from called module. When an abort condition occurs in a format program, an abort code identifies the format program abort. This code appears on the console and prints on SYSLST. The actual aborting occurs through the root program, ANM350.
0010	READ failed on MICM Record 6000.
0011	READ failed on BNK.
0012	READ failed on MICM Record 1001.
0013	Application not found in application table.
0014	READ failed on MICM Record 0020.
0015	BROWSE failed on MICM Record 2007.
0016	READ failed on MICM Record 2007.
0017	Carriage control error (WS-PLCOUNT).
0019	Line count error (overflow).

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANM370 – Monthly Service Charge History Reporting

Purpose This program reports on all history for the last 12 months. It can be processed anytime during the month for the previous month's reports, or the last processing day of the month for the current month's report. The program reports all accounts on the Deposit and Group Master Records for all institutions, or selected institutions, accounts, officers, or types. MICM Record 2007 determines which reports are printed and their sort sequence. The control card(s) can be used to select specific reports.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Option Flags
1001	M74	MI1001-RECORD	Institution Information Record
1003	M76	MI1003-RECORD	Type Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	615
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

Name	Called Program
06-160 – Monthly Service Charge History Report	ANG160
06-162 – Monthly Service Charge History Summary	ANG160

Control Card

The control card is optional. If the control card(s) is not present, all accounts on the Deposit Master and Group Master for the reports selected on MICM Record 2007 are processed. The program can process up to 100 control cards at a time.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number. This is the institution number selected. If blank or zeros, all institutions are processed.
07 – 10	4	Report number selected. If blank or zeros, reports 160 and 162 selected on MICM Record 2007 are produced. Valid reports are 160 and 162 .
11 – 11	1	Select code. Only those accounts selected are processed. Valid entries are: b Select by account number range. A Select by account number range. T Select by type number. 1 Select by officer 1 code. 2 Select by officer 2 code.

Columns	Size	Description
12 – 12	1	Account designation code. Valid entries are: b All account designations. A All account designations. D Process the deposit master only. G Process the group master only.
13 – 14	2	Application number. If processing only the Deposit Master, you may also select which application to process. If you are processing all designations, all applications are processed.
15 – 32	18	Select code criteria. If the select code is A or b , this is the beginning account number to process. If the select code is T , columns 15 – 17 contain the type being selected. If the select code is 1 or 2 , columns 15 – 23 contain the officer code being selected.
33 – 50	18	Ending account number. If the select code is A or b , this is the ending account number to process. This is not used unless selecting by account.
51 – 52	2	Sort bytes. Reserved for future use.
53 – 80	28	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	READ failed on BNK (Institution 0000).
0002	READ failed on MICM Record 1001.
0003	SORT error.
0004	Application number on the control card is invalid.
0005	Institution number on the control card is not numeric.
0006-0007	Report number on the control card is invalid.
0008	Select code on the control card is invalid.
0009	Account designation code on the control card is invalid.
0010	Application number on the control card is not numeric.
0011	Type number on the control card is invalid.
0012	Officer code on the control card is blank.

Code	Description
0013	Table limit exceeded (WS-CRDTBLLIMIT).
0014	READ NEXT failed on DMS.
0015	READ failed on BNK (Institution 0000).
0016	READ NEXT failed on GMS.
0017	READ NEXT failed on GHT.
0018	READ NEXT failed on DHT.
0021	READ failed on BNK.
0022	READ failed on MICM Record 1001.
0023	READ failed on MICM Record 6000.
0025	Report number is invalid.
0026	Abort from called module.
0027	READ failed on MICM Record 2007.
0028	MICM Record 0211 (application 00) not found.
0029	MICM Record 0211 not found.
0030	MICM Record 6000 not found.
0031	READ failed on BNK.
0032	Error occurred while building CIF application table.
0033	READ failed on MICM Record 1001.
0034	READ failed on MICM Record 0020.
0036	Invalid print control from called module.
0037	BROWSE failed on MICM Record 2007.
0038	GLOBAL CLOSE failed.
0039	READ failed on MICM Record 2007.
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.
	Trace Codes Copybook
	1700-1799 ANP011

Rerun Procedures

If the program aborts, there is no need to restore or verify files. Correct the error, and run the job exactly as before. If you require assistance, contact the Analysis programmer.

ANM820 – Monthly Master Reorganization

Purpose

This program purges all Deposit and Group accounts that are flagged for purging and have zero receivable amounts, zero balances, and zero aggregates. (The account cannot be part of a Group relationship in any historical period, which is determined by the Group Cross-reference Records.) This program also produces report 06-825, which only shows account details when the Print Detail Option on the control card is set to Y. If the option is set to Y, the report shows details of all accounts being purged as well as accounts that are flagged for purging but cannot be purged for reasons such as balances or outstanding bills that have not been satisfied.

ANM820 should be run as the first in the series of reorganization programs (ANM820 – ANM835).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-825 – Master Files Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 10	7	Process code. Valid entries are: b Normal run. RESTART Do not initialize file.
11 – 80	70	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.
0004	READ failed on CHK.
0005	WRITE failed on CHK.
0006	READ failed on CHK.
0007	OPEN failed on GMS.
0008	READ NEXT failed on GMS.
0009	DELETE failed on GMS.
0010	CLOSE failed on GMS.
0011	OPEN failed on DMS.
0012	READ NEXT failed on DMS.
0013	DELETE failed on DMS.

Code	Description
0014	CLOSE failed on DMS.
0015	READ failed on RCV.
0016	READ NEXT failed on PAY.
0017	READ failed on BNK.
0018	READ failed on MICM Record 1001.
0019	WRITE failed on CHK.
0020	GLOBAL COMMIT failed.

Rerun Procedures If the program aborts, correct the error that caused the abend and rerun the job with "restart" specified in the control card.

Scalable Procedures ANM820 will run once for every organization defined to the system. It will need to be executed with the following parameter card: **parm='org=(orgid)'**. The files that are used are dependent upon the organization being processed.

ANM821 – Monthly Product Total Reorganization

Purpose

This program purges all Product Total records that contain zero totals. The Product Total Record is maintained by service code and origination code. Each record contains 12 sets of totals corresponding to the months of the year. This program also produces report 06-826, which only shows account details when the Print Detail Option on the control card is set to Y. If the option is set to Y, the report recaps the number of records read and the number of records purged by institution.

Note: ANM821 can be run simultaneously with any of the programs in the reorganization series (ANM820 – ANM835).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
ORG	ANORG-RECORD	Organization Identification Record
PTO	ANPTO-RECORD	Product Total Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-826 – Product Totals Reorganization

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 10	7	Process code. Valid entries are: b Normal run. RESTART Do not initialize file.
11 – 80	70	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.
0004	READ failed on CHK.
0005	WRITE failed on CHK.
0006	READ failed on BNK.
0007	READ failed on CHK.
0008	OPEN failed on PTO.
0009	READ NEXT failed on PTO.
0010	DELETE failed on PTO.
0011	READ failed on MICM Record 1001.
0012	WRITE failed on CHK.
0013	GLOBAL COMMIT failed on BNK.

Rerun Procedures If the program aborts, correct the error that caused the abend and rerun the job with “restart” specified in the control card.

ANM822 – Monthly History and Transactions Reorganization

Purpose

This program purges all Deposit and Group History Records as well as Transaction, Transaction Adjustment, and Balance Adjustment Records according to parameters set up on MICM Record 6000. (Refer to the MICM Parameters chapter of *Procedures Guide 2* for details.) In addition, this program checks:

- The history period for an outstanding amount due (receivable accounts) and/or for payments applied to a receivable that also applied to another receivable that is being retained. If either condition exists, the history is retained until all associated history periods are being purged.
- Multi-month settlement accounts to ensure all associated periods are set to purge before *any* are allowed to purge.

Note: A minimum of one year of history is retained on all accounts even if the parameters mentioned above indicate a lesser time frame. However, this minimum does not apply to transaction retention.

This program also produces report 06-827, which only shows account details when the Print Detail Option on the control card is set to **Y**. If the option is set to **Y**, the report lists all records being purged is produced.

Note: The history for partial settlement cycles is not deleted, which ensures accurate reprints for accounts that do not settle monthly.

ANM822 must be run *before* ANM825 and ANM826; however, it can be run *simultaneously* with ANM821 and ANM824.

Note: ANM822 must be run when ANM828 and its files are run as international.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application
Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-827 – History and Transactions Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.

Columns	Size	Description
04 – 06	3	History months. Override the number of months history is retained; must be numeric. This does not override the value set at the account, unless the account value is set to zero. If the account value is zero and you wish to override what is in MICM Record 6000, enter your overriding value or zeros.
07 – 80	74	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	History months on the control card is not numeric.
0004	READ NEXT failed on GHT.
0005	REWRITE failed on GHT.
0006	Table limit exceeded (WS-HKTMAX).
0007	REWRITE failed on GMS.
0008	BROWSE failed on GHT.
0009	READ failed on GHT.
0010	BROWSE failed on GHT.
0011	DELETE failed on GHT.
0014	OPEN failed on DHT.
0015	OPEN failed on DMS.
0016	READ NEXT failed on DHT.
0017	REWRITE failed on DHT.
0018	Table limit exceeded (WS-HKTMAX).
0019	REWRITE failed on DMS.
0021	READ failed on DHT.
0022	BROWSE failed on DHT.
0023	DELETE failed on DHT.
0038	READ NEXT failed on OSB.
0039	READ NEXT failed on TRN.
0040	DELETE failed on TRN.

Code	Description
0041-0042	BROWSE failed on TRN.
0043	READ failed on TRD.
0044	DELETE failed on TRD.
0045	READ failed on DHT.
0047	READ failed on GHT.
0048	READ failed on GMS.
0049	READ failed on DMS.
0051	REWRITE failed on DHT.
0053	REWRITE failed on GHT.
0054	READ failed on BNK.
0055	READ failed on MICM Record 1001.
0056	READ failed on MICM Record 6000 (Institution).
0057	Sort return is not equal to zero.
0059	READ failed on PXR.
0062	READ NEXT failed on TAJ.
0063	DELETE failed on TAJ.
0064	BROWSE could not be re-established for hold key (TAJ).
0065	BROWSE failed on TAJ.
0066	READ NEXT failed on BAJ.
0067	DELETE failed on BAJ.
0068	BROWSE could not be re-established for hold key (BAJ).
0069	BROWSE failed on BAJ.
0070	READ failed on GHT.
0071	REWRITE failed on GHT.
0072	READ failed on DHT.
0073	REWRITE failed on DHT.
0078	READ failed on GHT.
0084	READ failed on GHT.
0085	READ failed on DHT.
0086	BROWSE failed on GHT.
0087	GETMAIN failed on OSB table.
0088	FREEMAIN failed on OSB table.

Code	Description
0089	Dynamic expansion failed on OSB table.
0090	GETMAIN failed on PXR table.
0091	FREEMAIN failed on PXR table.
0092	Dynamic expansion failed on PXR table.
0093	GETMAIN failed on Link table.
0094	FREEMAIN failed on Link table.
0095	Dynamic expansion failed on Link table.
0096-0097	Bad return from call to ANRXREF.
0098	Invalid return from INITIALIZE Relational Table – ANB886.
0099	Invalid return from INITIALIZE Ultimate Group – ANB886.
0100	Invalid return from INITIALIZE 1-up Table – ANB886.
0101	Invalid return from INITIALIZE 1-down Table – ANB886.

Rerun Procedures

If the program aborts, do the following.

1. Restore BAJ, DHT, DMS, GHT, GMS, TAJ, TRD, and TRN.
2. Correct the error.
3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

ANM823 – Receivables Record Reorganization

Purpose

This program performs the following functions:

- Purges all Outstanding Bills, Invoice Cross-reference, Payment History, and Payment Cross-reference Records for purged accounts and/or history periods.
- Checks to see if the period in question has payments applied to an Outstanding Bill Record that also applied to another Outstanding Bill Record that is being retained. If this condition exists, all of the records are retained until all associated records are being purged.
- Deletes Receivable Records if no Master Record exists or if the Service Charge Code on the Master Record and all history periods is *not* **B** or **I**. If the receivable record is purged, all other receivable related records are also purged.
- Produces report 06-828, which only shows account details when the Print Detail Option on the control card is set to **Y**. (If the Print Detail Option is **Y**, the report lists all records being purged.)

Note: ANM823 *must* be run after ANM822.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Institution Control Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Ext Record Code	Name	Description
IXR	ANIXR-RECORD	Invoice Cross-reference Record
ORG	ANORG-RECORD	Organization Identification Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivable Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-828 – Receivables Files Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 10	7	Process code. Valid entries are: b Normal run. RESTART Do not initialize file.
11 – 80	70	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.
0004	READ failed on CHK.

Code	Description
0005	WRITE failed on CHK.
0006	READ failed on BNK.
0007	READ failed on CHK.
0008	READ failed on OSB.
0009	READ failed on RCV.
0010	DELETE failed on RCV.
0011	READ failed on PXR.
0012	DELETE failed on OSB.
0013	READ failed on IXR.
0014	DELETE failed on IXR.
0015	DELETE failed on PXR.
0016	READ failed on PAY.
0017	DELETE failed on PAY.
0018	READ failed on OSB.
0019	READ failed on PXR.
0020	READ failed on OSB.
0021	GETMAIN failed on OSB table.
0022	FREEMAIN failed on OSB table.
0023	Dynamic expansion failed on OSB table.
0024	GETMAIN failed on PXR table.
0025	FREEMAIN failed on PXR table.
0026	GETMAIN failed on Link table.
0027	FREEMAIN failed on Link table.
0028	Dynamic expansion failed on Link table.
0029	Dynamic expansion failed on PXR table.
0030	READ failed on DHT.
0031	READ failed on GHT.
0032	READ failed on DMS.
0033	READ failed on GMS.
0034	READ failed on DHT.
0035	READ failed on GHT.
0036	READ failed on MICM Record 1001.

Code	Description
0037	READ failed on MICM Record 6000.
0038	WRITE failed on CHK.
0039	GLOBAL COMMIT failed.
0040	READ failed on MICM Record 6000.
0041	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, correct the error that caused the abend and rerun the job with “restart” specified in the control card.

Note: Be sure ANM822 has been run *prior* to ANM823.

ANM824 – Monthly Related Master Reorganization

Purpose This program reorganizes the Exception Rate, Recurring Transaction, Customer Comments, Statement Message, Service Charge Waive Information, and Relational Customers Records. The records are purged if the corresponding Deposit or Group account no longer exists. The Recurring Transaction and Service Charge Waive records are also purged when the Expiration Date in the records is less than the Next Processing Date for the institution.

Customer Comments records and Statement Message records are purged based on a combination of expiration date and the value of the Retain Expired Indicator in the Customer Comment records or the Expire Option in the Statement Message Record. If the Retain Expired Indicator is **Y**, the Customer Comments Record is retained as long as the Account Master Record is on file, regardless of the expiration date. If the Expire Option in the Statement Message Record is **Y** and the record is related to a profile, the Statement Message Record remains on file as long as the profile is on file. If there is no profile number and the Expire Option is **Y**, the records are purged based on the history retention period.

In addition, this program produces report 06-829, which only shows account details when the Print Detail Option on the control card is set to **Y**. If the option is set to **Y**, the report lists all records being purged.

Note: ANM824 can be run *simultaneously* with any program in the reorganization series (ANM820 – ANM826) *except* ANM820.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
COM	ANCOM-RECORD	Customer Comments Record
DMS	ANDMS-RECORD	Deposit Master Record

Ext Record Code	Name	Description
EXC	ANEXC-RECORD	Exception Rate Record
GMS	ANGMS-RECORD	Group Master Record
MSG	ANMSG-RECORD	Statement Message Record
ORG	ANORG-RECORD	Organization Identification Record
RET	ANRET-RECORD	Recurring Transaction Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-829 – Related Master Files Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 10	7	Process code. Valid entries are: b Normal run. RESTART Do not initialize file.
11 – 80	70	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.

Code	Description
0004	READ failed on CHK.
0005	WRITE failed on CHK.
0006	READ failed on BNK.
0007	READ failed on CHK.
0008	OPEN failed on EXC.
0009	READ NEXT failed on EXC.
0010	WRITE failed on DMS.
0011	WRITE failed on GMS.
0012	DELETE failed on EXC.
0013	OPEN failed on RET.
0014	READ NEXT failed on RET.
0015	DELETE failed on RET.
0016	OPEN failed on COM.
0017	READ NEXT failed on COM.
0018	DELETE failed on COM.
0019	WRITE failed on DMS.
0020	WRITE failed on GMS.
0021	OPEN failed on WSC.
0022	READ NEXT failed on WSC.
0023	DELETE failed on WSC.
0024	OPEN failed on XRL.
0025	READ NEXT failed on XRL.
0026	DELETE failed on XRL.
0027	OPEN failed on MSG.
0028	READ NEXT failed on MSG.
0029	DELETE failed on MSG.
0030	READ failed on DMS.
0031	READ failed on GMS.
0032	READ failed on MICM Record 6032.
0033	READ failed on MICM Record 1001.
0034	READ failed on BNK.
0035	READ failed on MICM Record 6000.

Code	Description
0036	WRITE failed on CHK.
0037	GLOBAL COMMIT failed.

Rerun Procedures If the program aborts, correct the error that caused the abend and rerun the job with "restart" specified in the control card.

ANM825 – Daily Balance Record Reorganization

Purpose This program reorganizes the Daily Balance Record. If the record has reached its expiration date or the corresponding Deposit or Group account has been deleted, the Daily Balance Record is purged. In addition, the program can create a Daily Balance Record for the current month and/or the next month. (See the Control Card description below.) This program also produces report 06-830, which only shows account details when the Print Detail Option on the control card is set to **Y**. If the option is set to **Y**, the report lists all records being purged.

Note: ANM825 can run *simultaneously* with any other program in the reorganization series (ANM820 – ANM835) *except* ANM820 and ANM822. In addition, ANM825 must be run *after* ANM822.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-830 – Daily Balance File Reorganization

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 04	1	Create Daily Balance Record for current month. Valid entries are: b Do not create Daily Balance Record. Y Create Daily Balance Record.
05 – 05	1	Create Daily Balance Record for next month. Valid entries are: b Do not create Daily Balance Record. Y Create Daily Balance Record.
06 – 12	7	Process code. Valid entries are: b Normal run. RESTART Do not initialize file.
13 – 80	68	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.
0004	READ failed on CHK.
0005	WRITE failed on CHK.
0006	READ failed on CHK.
0007	OPEN failed on DLB.
0008	OPEN failed on DMS.
0009	OPEN failed on GMS.
0010	OPEN failed on DHT.
0011	OPEN failed on GHT.
0012	READ NEXT failed on DLB.
0013	REWRITE failed on DHT or GHT.

Code	Description
0014	DELETE failed on DLB.
0015	READ failed on DMS.
0016	READ failed on DHT.
0017	READ failed on GMS.
0018	READ failed on GHT.
0019	READ NEXT failed on DMS.
0020	Initialization failed on DLB.
0021	WRITE failed on DLB.
0022	Initialization failed on DLB.
0023	ADD failed on DLB.
0024	READ NEXT failed on GMS.
0025	Initialization failed on DLB.
0026	ADD failed on DLB.
0027	Initialization failed on DLB.
0028	ADD failed on DLB.
0029	READ failed on BNK.
0030	READ failed on MICM Record 1001.
0031	READ failed on MICM Record 6000.
0032	WRITE failed on CHK.
0033	GLOBAL COMMIT failed on BNK.

Rerun Procedures

If the program aborts, correct the error that caused the abend and rerun the job with "restart" specified in the control card.

ANM826 – Cross-reference Records Reorganization

Purpose

This program reorganizes the Cross-reference Records (XRC and XRD). If the Analysis history or current Master records have been deleted, this program purges the associated Cross-reference Records (denoted by 99999999 in the History Date fields).

Note: When an account is set to purge, the cross-references to current relationships are deleted so that future cycles do not include this account in any relationships.

This program also produces report 06-831, which only shows account details when the Print Detail Option on the control card is set to Y. If the option is set to Y, the report lists all records being purged.

Note: ANM826 can be run anytime during the month, but it should always be run *after* ANM822. It cannot be run *simultaneously* with any other programs in the reorganization series (ANM820 – ANM835).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	64
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-831 – Cross-reference Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 80	77	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	Control card is missing.
0002	Application number on the control card is invalid.
0003	READ failed on BNK.
0004	OPEN failed on XRC.
0005	OPEN failed on DMS.
0006	Sort Return is invalid (see Sort Return display messages).
0007	OPEN failed on GMS.
0008	OPEN failed on DHT.
0010	OPEN failed on GHT.
0011	READ NEXT failed on XRC.
0012	DELETE failed on XRC.
0013	READ failed on DMS.
0014	READ failed on DHT.
0015	READ failed on XRD.

Code	Description
0016	DELETE failed on XRC.
0017	READ failed on GMS.
0018	READ failed on GHT.
0022	READ failed on MICM Record 1001.
0023-0026	GET STORAGE failed in ANB886.
0027	BROWSE failed on TRN.
0029	BROWSE failed on TRN.
0030	GLOBAL COMMIT failed.
0033	Open failed on XRD.
0034	BROWSE failed on XRC.
0035	DELETE failed on XRD.
0036	GLOBAL COMMIT failed.
0037	READ FOR UPDATE failed on GMS.
0038	REWRITE failed on GMS.
0039	READ FOR UPDATE failed on GMS.
0040	REWRITE failed on DMS.
0041	READ FOR UPDATE failed on GHT.
0042	REWRITE failed on GHT.
0043	READ FOR UPDATE failed on DHT.
0044	REWRITE failed on DHT.
0045-0046	DELETE failed on XRC.
0047	ADD failed on XRC.
0048	BROWSE failed on XRC.
0049	READ failed on GMS.
0050	READ failed on GHT.
0051	READ FOR UPDATE failed on GMS.
0052	REWRITE failed on GMS.
0053	READ FOR UPDATE failed on DMS.
0054	REWRITE failed on DMS.
0055	READ FOR UPDATE failed on GHT.
0056	REWRITE failed on GHT.
0057	READ FOR UPDATE failed on DHT.

Code	Description
0058	REWRITE failed on DHT.
0059	READ failed on GMS.
0060	READ failed on DMS.
0061	READ failed on GHT.
0062	READ failed on DHT.
0063-0064	DELETE failed on XRC.
0065	READ FOR UPDATE failed on GMS.
0066	REWRITE failed on GMS.
0067	READ FOR UPDATE failed on GHT.
0068	REWRITE failed on GHT.
0069	READ FOR UPDATE failed on GMS.
0070	REWRITE failed on GMS.
0071	READ FOR UPDATE failed on GHT.
0072	REWRITE failed on GHT.
0073	READ FOR UPDATE failed on GMS.
0074	REWRITE failed on GMS.
0075	READ FOR UPDATE failed on GHT.
0076	REWRITE failed on GHT.
0077	READ FOR UPDATE failed on DMS.
0078	REWRITE failed on DMS.
0079	READ FOR UPDATE failed on DHT.
0080	REWRITE failed on DHT.
0081	READ FOR UPDATE failed on GMS.
0082	REWRITE failed on GMS.
0083	READ FOR UPDATE failed on DMS.
0084	Unable to locate relationship leg.
0085	GET STORAGE failed in ANB886 for leg table.
0086	FREE STORAGE failed in ANB886 for leg table.
0087	EXPAND STORAGE failed in ANB886 for leg table.
0088	REWRITE failed on DMS.
0089	READ FOR UPDATE failed on GHT.
0090	REWRITE failed on GHT.

Code	Description
0091	READ FOR UPDATE failed on DHT.
0092	REWRITE failed on DHT.

Rerun Procedures

If the program aborts, do the following:

1. Reload from a previous backup (backup must include the DHT, DMS, GHT, GMS, XRC, and XRD records).
2. Rerun any prior reorg jobs executed between the previous backup and the ANM826 job.
3. Correct the error.
4. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

ANM827 – Monthly Promotional Waive Reorganization

Purpose This program purges expired Promotion Waive Parameters Records and the associated Promotional Waive Records.

Note: The promotions must have a termination date prior to the current date and the promotion accounts must be “satisfied” before the promotion and account can be deleted.

Control cards provide the ability to bypass the normal expiration date processing and only delete the promotion and promotion account data for the control cards entered.

In addition, this program produces report 06-832, which lists promotions and promotion account records that have been deleted. Institution and final totals are also provided. If no promotions are deleted, the report contains a message indicating no promotions were deleted.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
PAW	ANPAW-RECORD	Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSORT	Sort Work File	I/O	Disk	Sequential	Variable
ANWORK4	Work File 4	O/I	Disk	Sequential	Variable
ANWORK5	Work File 5	O/I	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-832 – Promotion Deletion Listing

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 61	59	Promotion key. Includes the Institution Number, Service Code, Application Code, Region Number, Account Type, Cost Center, User Code 4, Account Number, and Effective Date.
62 – 80	19	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 on BNK.
0002	READ failed on MICM Record 1001.
0003	Application number on the control card is invalid.
0004	Sort return is not zero.
0005	READ failed on BNK.
0006	READ failed on PRO.
0007	READNEXT failed on PRO.
0008	BROWSE failed on PAW.
0009	READNEXT failed on PAW.
0010	DELETE failed on PRO.
0011	DELETE failed on PAW.
0012	READ failed on MICM Record 1001.
0013	No MICM 0211 records loaded into application table.
0014	Application not found in application table.

Rerun Procedures If the program aborts, do the following:

1. Restore the PRO and PAW Records.
2. Correct the error.
3. Run the job exactly as before.

If you require assistance, contact the Analysis programmer.

ANM828 – Monthly Tax Detail and Tax Summary Record Reorganization

Purpose This program reorganizes the Tax Detail and Tax Summary Records. If the Analysis matching history record has been purged, this program purges the associated Tax Detail, Tax Summary, Tax Write-off Detail, and Tax Write-off summary records for this cycle.

In addition, this program produces report 06-833, which only shows account details when the Print Detail Option on the control card is set to **Y**. If the option is set to **Y**, the report lists all records being purged.

Note: This program can be run anytime during the month, but it should always be run *after* ANM822. It cannot be run *simultaneously* with any other programs in the reorganization series (ANM820 – ANM835).

Note: ANM828 must be run when ANM822 is run as international.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
TXW	ANTXW-RECORD	Tax Write-off Detail Record
TXZ	ANTXZ-RECORD	Tax Write-off Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-833 – Tax Summary and Detail Deletion Listing

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
04 – 80	77	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 on BNK.
0002	READ failed on MICM Record 1001.
0003	Application number on the control card is invalid.
0004	OPEN failed on TXS.
0005	OPEN failed on TXD.
0006	OPEN failed on TXW.
0007	OPEN failed on TXZ.
0008	GLOBAL CLOSE failed on MICM.
0009	READ failed on BNK.
0010	DELETE failed on TXS.
0011	GLOBAL COMMIT failed.
0012	DELETE failed on TXD.
0013	GLOBAL COMMIT failed.
0014	DELETE failed on TXW.
0015	GLOBAL COMMIT failed.

Code	Description
0016	DELETE failed on TXZ.
0017	GLOBAL COMMIT failed.
0018	READ NEXT failed on BNK.

ANM829 – Monthly Profile Account Cross-reference Record Reorganization

Purpose

This program reorganizes the Profile Account Cross-reference Records. If the matching Analysis master or history record has been purged, this program purges the associated Profile Account Cross-reference records for this cycle.

In addition, this program produces report 06-839, which only shows account details when the Print Detail Option on the control card is set to **Y**. If the option is set to **Y**, the report lists all records being purged.

Note: This program can be run anytime during the month, but it should always be run *after* ANM822. It cannot be run *simultaneously* with any other programs in the reorganization series (ANM820 – ANM835).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
CHK	ANCHK-RECORD	Database Checkpoint Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-839 – Profile Account Reorganization

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 04	1	Print detail option. Valid entries are: b Do not print detail lines. Y Print detail lines.
05 – 05	1	Not used.
06 – 12	7	Process. Valid entry is RESTART .
13 – 80	68	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	Control card is not found.
0002	Application number on the control card is invalid.
0003	Restart requested but no checkpoint record was found.
0004	READ failed on CHK.
0005	WRITE failed on CHK.
0006	READ failed on CHK.
0007	OPEN failed on PAX.
0008	OPEN failed on DMS.
0009	OPEN failed on GMS.
0010	OPEN failed on DHT.
0011	OPEN failed on GHT.
0012	READ NEXT failed on PAX.
0013	READ failed on DMS.
0014	READ failed on DHT.
0015	READ failed on GMS.
0016	READ failed on GHT.
0017-0018	DELETE failed on PAX.
0019	READ NEXT failed on PAX.
0020	READ failed on BNK.

Code	Description
0021	READ failed on MICM Record 1001.
0022	READ failed on MICM Record 6000.
0023	WRITE failed on CHK.
0024	GLOBAL COMMIT failed.

Rerun Procedures If the program aborts, correct the error that caused the abend and rerun the job with “restart” specified in the control card.

ANM835 – Statement Repository Reorganization

Purpose This program reads the Customer Information Record sequentially and calculates the retention period for each account. If the statement period’s print date is past the retention period, all associated statement data is deleted from the statement repository records.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
YAI	ANYAI-RECORD	Repository Accounts Included Record
YAS	ANYAS-RECORD	Repository Activity Summary Information Record
YBC	ANYBC-RECORD	Repository Balance Conversion Record
YBI	ANYBI-RECORD	Repository Balance Information – Investment Record
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record
YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
YCI	ANYCI-RECORD	Repository Customer Information Record
YDB	ANYDB-RECORD	Repository Daily Balance Record
YDT	ANYDT-RECORD	Repository Daily Balance Totals Record
YER	ANYER-RECORD	Repository Exchange Rates Record
YIA	ANYIA-RECORD	Repository Invoice Activity Record
YIB	ANYIB-RECORD	Repository Invoice OSB Record
YII	ANYII-RECORD	Repository Invoice Information Record
YRD	ANYRD-RECORD	Repository Recap Detail Record
YRT	ANYRT-RECORD	Repository Recap Totals Record
YSD	ANYSD-RECORD	Repository Service Detail Record
YST	ANYST-RECORD	Repository Service Totals by Currency Record

Ext Record Code	Name	Description
YTD	ANYTD-RECORD	Repository Taxed Service Detail Record
YTE	ANYTE-RECORD	Repository Tax Invoice Exchange Rates Record
YTI	ANYTI-RECORD	Repository Customer Tax Information Record
YTS	ANYTS-RECORD	Repository Total Taxed Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-801 – Statement Repository Purge Report

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	READ failed on BNK.
0002-0003	READ failed on YCI.
0004	DELETE failed on YCI.
0005	READ failed on YAI.
0006	DELETE failed on YAI.
0007	READ failed on YBC.
0008	DELETE failed on YBC.
0009	READ failed on YBN.
0010	DELETE failed on YBN.
0011	READ failed on YBI.
0012	DELETE failed on YBI.
0013	READ failed on YBW.
0014	DELETE failed on YBW.
0015	READ failed on YER.
0016	DELETE failed on YER.
0017	READ failed on YAS.

Code	Description
0018	DELETE failed on YAS.
0019	READ failed on YRD.
0020	DELETE failed on YRD.
0021	READ failed on YRT.
0022	DELETE failed on YRT.
0023	READ failed on YSD.
0024	DELETE failed on YSD.
0025	READ failed on YST.
0026	DELETE failed on YST.
0027	READ failed on YDB.
0028	DELETE failed on YDB.
0029	READ failed on YDT.
0030	DELETE failed on YDT.
0031	READ failed on YII.
0032	DELETE failed on YII.
0033	READ failed on YIB.
0034	DELETE failed on YIB.
0035	READ failed on YIA.
0036	DELETE failed on YIA.
0037	READ failed on YTI.
0038	DELETE failed on YTI.
0039	READ failed on YTD.
0040	DELETE failed on YTD.
0041	READ failed on YTS.
0042	DELETE failed on YTS.
0043	READ failed on YTE.
0044	DELETE failed on YTE.
0045	Bank table exceeded.
0046	Subscript error.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

Request Programs

The following programs are run upon request. They produce reports that may be generated as needed.

ANR019 – MICM Record 6015/6016 Expiration Adjustment

Purpose This program compares MICM 6015/6016 records with the same key and alleviates any overlapping expiration dates.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Report 06-119 – Analysis Pricing Expiration Adjustment Report

Control Card

The control card is required and is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	MICM Record 6015 designator. Indicates whether to process the 6015 Records. Valid entries are: N Do not process. Y Process.
04 – 04	1	MICM Record 6016 designator. Indicates whether to process the 6016 Records. Valid entries are: N Do not process. Y Process.
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	Application number on the control card is invalid.
0002	MICM Record 6015 designator on the control card is invalid.
0003	MICM Record 6016 designator on the control card is invalid.
0004	READ failed on MICM Record 6015.
0005	READ NEXT failed on MICM Record 6015.
0006	READ with LOCK failed on MICM Record 6015.
0007	REWRITE failed on MICM Record 6015.
0008	READ failed on MICM Record 6016.
0009	READ NEXT failed on MICM Record 6016.
0010	READ with LOCK failed on MICM Record 6016.
0011	REWRITE failed on MICM Record 6016.
0012	READ failed on BNK.
0013	READ failed on MICM Record 1001.
0014	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR020 – Price List

Purpose This program produces report 06-934 (Service Charge Price List), a listing of price list records on the MICM Master File, with all tiered pricing information that belongs to each service code

Control cards provide options to print price lists, tiered pricing, exception pricing, and exception tiered pricing for selected institutions.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	790
PRINTR	Printer File	Output	Printer	Sequential	133

Report 06-934 – Service Charge Price List

Control Card The control card is required and is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.
11 – 11	1	Print exception service codes. Valid entries are: N Do not print exception service codes. Y Print exception service codes.
12 – 12	1	Page break after each price list. Valid entries are: N Do not page break after each parameter. Y Page break.
13 – 13	1	Page break after each account for exception service codes. Column 11 must be 'Y' for this option to function. Valid entries are: N Do not page break after each parameter. Y Page break.
14 – 80	67	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 on BNK.
0002	MICM Record 1001 not found (Institution 0000).
0003	Application number on the control card is invalid.
0004	Beginning institution number on the control card is invalid.
0005	Ending institution number on the control card is invalid.
0006	READ NEXT failed on BNK.
0008	READ NEXT failed on MICM Record 6015.
0009	MICM Record 6016 not found.
0010	READ NEXT failed on MICM Record 6016.
0011	BNK institution number is zero and/or not numeric.
0012	READ failed on MICM Record 1001.
0013	Error occurred while building CIF application table.

Code	Description
0014	READ failed on MICM Record 6086.
0015	Application not found in application table.
0016	READ failed on MICM Record 6000.
0017	READ failed on MICM Record 6016.
0018	READ NEXT failed on MICM Record 6016.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR024 – Service Description Defaults List

Purpose This program compares the service descriptions on MICM Record 6086 with the descriptions on MICM Record 6015/6016. If any differences are found, this program updates the 6015/6016 Record with the 6086 service descriptions. In addition, this program produces reports that list the old and new service descriptions as well as the related service codes from MICM Record 6015/6016.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Report
 06-955 – Standard Service Description Maintenance Report
 06-956 – Exception Service Description Maintenance Report
 06-957 – Affiliate Service Description Maintenance Report

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card exists, all institutions process with options defaulting. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.
11 – 11	1	Print heading section. Valid entries are: N Do not print heading. Y Print heading.
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	OPEN failed on BNK.
0002	Application number on the control card is invalid.
0003	Beginning institution number on the control card is invalid.
0004	Ending institution number on the control card is invalid.
0005	READ failed on BNK.
0006	READ failed on MICM Record 6000.
0007	READ failed on MICM Record 6015.
0008	READ NEXT failed on MICM Record 6015.
0009	READ failed on BNK.
0010	READ failed on MICM Record 6000.
0011	READ failed on MICM Record 6016.
0012	READ NEXT failed on MICM Record 6016.
0013	READ failed on MICM Record 6016.
0014	BNK institution number is invalid.
0015	READ failed on MICM Record 1001.
0016	REWRITE failed on MICM Record 6015.

Code	Description
0017	REWRITE failed on MICM Record 6016.
0018	READ NEXT failed on MICM Record 6016.
0019	READ failed on BNK.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR026 – Service/Exception Pricing Alert Report

Purpose This program generates report records for 06-121 (Service Pricing Alert Report), 06-122 (Exception Pricing Alert Report), and 06-125 (Affiliate Pricing Alert Report).

Note: The program looks at the most current effective date record to determine whether to report it. Subsequent records for the same service that have expired are not reported.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6080	M80	MI6080-RECORD	Analysis Statement Descriptions Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
APX	ANAPX-RECORD	Affiliate Profile Cross-reference Record
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports

The records for the following reports are printed by AND350:

06-121 – Service Pricing Alert Report
 06-122 – Exception Pricing Alert Report
 06-125 – Affiliate Pricing Alert Report

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. There can be more than one control card if individual institutions are selected. Cards must be in ascending institution number order. Any institutions out of sequence are bypassed. Institution number 999 is not processed. Up to 99 institutions can be processed in one pass. If all the institutions are to be processed, only one card is needed and **ALL** is entered in place of an institution number. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number or ALL .
07 – 07	1	Report exception day's flag. Valid entries are: N If Report Expire Days on MICM Record 6000 is less than 45, use 45 days. Y Use Report Expire Days on MICM Record 6000, even if less than 45 days.
08 – 08	1	Expired pricing flag. Valid entries are: N Show all records that have expired or are about to expire. Y Do not show records that have expired.
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
0001-0002	READ failed on MICM Record 6015.
0003-0004	READ failed on MICM Record 6016.
0005	Application not found in application table.
0006	READ failed on DMS.

Code	Description
0007	READ failed on GMS.
0008-0009	READ failed on MICM Record 6016.
0010	READ failed on APX.
0011	WRITE failed on ANRPTS.
0012	Error occurred while building CIF application table.
0013	Application not found in application table.
0014	READ failed on BNK.
0015	READ failed on MICM Record 6000.
0016	READ failed on MICM Record 1001.
0017-0018	READ failed on MICM Record 6086.
0019	Cards not in order by institution.
0020	Institution number on the control card is invalid.
0021	Application number on the control card is invalid.
0022-0023	Institution number on the control card is invalid.
0024	BROWSE failed on BNK.
0025	READ NEXT failed on BNK.
0026	Table limit exceeded (WS-INSTTSIZE).

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR027 – Generate Purge Pricing Transaction

Purpose This program produces report 06-942 (a listing of expired pricing records on the MICM Master File) if the Purge Pricing option on MICM Record 6000 is set to **Y**. A file is created containing deletion cards for expired MICM 6015 and 6016 records. This file can be input to MID090, MID100, and MID200 to delete the records from the MICM Master File.

Control cards provide options to print exception pricing records and page break the exception priced records by account for selected institutions.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	900

Name	Description	Opened	Media	Access Mode	Record Length
MIDSKI	MICM Maintenance Records	Output	Disk	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-942 – Generated Purge Pricing Transactions

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card is present, all institutions process with options defaulting. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.
11 – 11	1	Overrides processing and printing of MICM 6016 Records. Valid entries are: N Skip MICM 6016 Records. Y Do not skip MICM 6016 Records.
12 – 12	1	Page break after each account for exception service codes. Valid entries are: N Do not page break after each parameter. Y Page break.
13 – 15	3	Number of months to retain expired 6015/6016 records.
16 – 16	1	Delete MICM 6016 Records if no account master record is found. Valid entries are: N Do not delete. Y Delete.
17 – 80	64	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 on BNK.
0002	Application number on the control card is invalid.
0003	Beginning institution number on the control card is invalid.
0004	Ending institution number on the control card is invalid.

Code	Description
0005	READ failed on BNK.
0006	READ failed on MICM Record 6000.
0007	Application not found in application table.
0008	READ NEXT failed on MICM Record 6015.
0009-0010	READ failed on MICM Record 6016.
0011	Invalid institution number.
0012	READ failed on MICM Record 1001.
0013-0014	WRITE failed on MI-DSKIREC.
0015	READ failed on MICM Record 6086.
0016	READ failed on MICM Record 6016.
0017	Error occurred while building CIF application table.
0018	GLOBAL CLOSE failed.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR028 – Exception Rates Alert Report

Purpose

This program produces report 06-123 (Analysis Exception Rates Alert Report) and 06-133 (Affiliate Exception Rate Alert Report). The program processes the Deposit and Group master records looking for rate overrides. If the expiration date of the override is less than the cutoff date, which is calculated using the control card Cutoff Days, the report is produced. The control card also specifies the option to purge any expired Exception Rate Records.

Note: Program AND005 should be run *prior* to ANR028 to initialize ANRPTS. Programs AND340 and AND350 should be run *after* ANR028 to sort and print the appropriate report records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
EXC	ANEXC-RECORD	Exception Rate Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports The records for the following report are printed by AND350:

06-123 – Analysis Exception Rates Alert Report
06-133 – Affiliate Exception Rate Alert Report

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card is present, the program will use the current date as the cutoff date and will not purge the expired records. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Purge indicator. Indicates whether to purge Exception Rate Records if all rates are expired. Valid entries are: N Do not purge the records. Y Purge the records.
04 – 06	3	Cutoff days. Valid entries are 000 – 999 .
07 – 80	74	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	READ failed on BNK.
0002	OPEN failed on EXC.
0003	OPEN failed on DMS.
0004	OPEN failed on GMS.
0005	DELETE failed on EXC.
0006	READ NEXT failed on EXC.
0007	WRITE failed on DMS.
0008	READ for update failed on DMS.
0009	WRITE failed on GMS.
0010	READ for update failed on GMS.
0011	READ failed on MICM Record 6011.
0012	Application number on the control card is invalid.
0013	Cutoff days on control card not numeric.
0014	Purge indicator on control card not Y or N .
0015	READ failed on DMS.

Code	Description
0016	READ failed on GMS.
0017	WRITE failed on ANRPTS.
0018	READ failed on BNK.
0019	READ failed on MICM Record 6000.
0020	READ failed on MICM Record 1001.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR029 – Exception Rates Variance Report

Purpose This program generates report records for 06-124 (Analysis Exception Rates Variance Report).

Note: Program AND005 should be run *prior* to ANR029 to initialize ANRPTS. Programs AND340 and AND350 should be run *after* ANR029 to sort and print the appropriate report records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
EXC	ANEXC-RECORD	Exception Rate Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports The records for the following report are printed by AND350:
06-124 – Analysis Exception Rates Variance Report

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	READ failed on BNK.																										
0002	READ failed on DMS.																										
0003	READ failed on GMS.																										
0004-0005	READ failed on MICM Record 6011.																										
0006	READ failed on BNK.																										
0007	READ failed on DMS.																										
0008	READ failed on MICM Record 6012.																										
0009	READ failed on MICM Record 1001.																										
0010	READ failed on MICM Record 2001.																										
0011	READ failed on MICM Record 6000.																										
0012	WRITE failed on ANRPTS.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
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2060-2099	ANP206																										
2100-2149	ANP202																										
2150-2199	ANP036																										

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR030 – Analysis History Report/Statement

Purpose This program produces reports 06-099 (Analysis History Statement) and 06-972 (Analysis History Report). A control card determines which accounts or group of accounts is to be selected and whether to print in report or statement format.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0242	M85	MI0242-RECORD	Employee Information Record
0301	M63	MI0301-RECORD	Application System Option Flags
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	453

Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-099 – Analysis History Statement
06-972 – Analysis History Report

Control Card

The control cards are inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Account designation. Valid entries are: D Deposit Master File. G Group Master File.
04 – 07	4	Institution number.
08 – 09	2	Application code.
10 – 27	18	Beginning account number.
28 – 45	18	Ending account number.
46 – 46	1	Print option. All control cards in a run must have the same print option. Valid entries are: b Report format. M Report format multiple accounts per page. S Statement format.
47 – 80	34	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	READ failed on BNK (Institution 0000).
0002	Application number on the control card is invalid.
0003	Print option on the control card is invalid.
0004	Ending account number on the control card is less than the beginning account number.
0005	Account designation on the control card must be D or G .
0006	Print option on the control card is invalid.
0007	Institution number on the control card is invalid.

Code	Description
0008	READ NEXT failed on DMS.
0009	READ NEXT failed on DHT.
0010	READ NEXT failed on GMS.
0011	READ NEXT failed on GHT.
0012	READ failed on MICM Record 2001.
0013	READ failed on MICM Record 1001.
0014	READ failed on BNK.
0015	READ failed on MICM Record 1001.
0016	BROWSE failed on MICM Record 0211.
0017	Error occurred while building CIF application table.
0018	READ failed on MICM Record 6000.
0019	Sort file report number or version is invalid.
0020	Application not found in application table.
0021	READ failed on BNK.
0022	READ failed on MICM Record 1001.
0023	READ failed on MICM Record 6000.
0024	BROWSE failed on MICM Record 0211.
0025	Error occurred while building CIF application table.
0026	BROWSE failed on MICM Record 2007.
0027	Application not found in application table.
0028	READ failed on MICM Record 1001.

Code	Description
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.

Trace Codes	Copybook
1000-1299	ANP010
1300-1399	ANP013
1400-1419	ANP014
1420-1499	ANP014L
1700-1799	ANP011
1800-1899	ANP018
1900-1999	ANP019
2000-2049	ANP200
2050-2059	ANP205
2060-2099	ANP206
2100-2150	ANP202
2150-2199	ANP036

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR040 – Past Due Account Reports

Purpose This program produces past due and aged delinquency reports at Deposit and Group account levels or on selected institutions, accounts, officers, or types. MICM Record 2007 determines which reports are printed and their sort sequence. In addition, this program can optionally produce two interface files for the Infopoint Collection Management system.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
0301	M63	MI0301-RECORD	Application System Options Flags Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18 (MI)	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6018	M18 (AN)	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Ext Record Code	Name	Description
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	615
ANCIL	Infopoint Collection Management Interface – Delinquency Breakup File	Output	Disk	Sequential	Variable
ANIISI	Infopoint Collection Management Interface – Invoice File	Output	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

Name	Called Program
06-083 – Past Due Accounts Report One	ANG083
06-085 – Past Due Accounts Summary One	ANG085
06-087 – Delinquency Aged Report	ANG087
06-107 – Receivables Aging Report	ANG107
06-108 – 45 Days Past Due Aging Report	ANG108
06-109 – Overpaid Aging Report	ANG109

Name	Called Program
06-111 – Auto Debit Alert Report	ANG111
06-112 – Auto Debit Charge-off Action Items Report	ANG112
06-126 – Charge-off Alert Report	ANG126

Control Card

The control card is optional. If a control card(s) is not present, ANR040 processes all accounts on the Deposit and Group Master records for the reports selected on MICM Record 2007. This program can process up to 100 control cards at a time.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number. This is the institution number selected. If blank or zeros, all institutions are processed.
07 – 10	4	Report number selected. If blank or zeros, reports 0083 – 0087, 0107 – 0111, and/or 0126 selected on MICM Record 2007 are produced. Valid entries are 0083 – 0087, 0107 – 0111, and 0126 .
11 – 11	1	Select code. Only those accounts selected are processed. Valid entries are: b Select by account number range. A Select by account number range. T Select by type number. 1 Select by officer 1 code. 2 Select by officer 2 code.
12 – 12	1	Account designation code. Valid entries are: b All account designations. A All account designations. D Process the Deposit Master only. G Process the Group Master only.
13 – 14	2	Application code. If processing just the Deposit Master, you can also select which application to process. If you are processing all designations, all applications are processed.
15 – 32	18	Select code criteria. If the select code is A or b , this is the beginning account number to process. If the select code is T , columns 15 – 17 contain the type being selected. If the select code is 1 or 2 , columns 15 – 23 contain the officer code being selected.
33 – 50	18	Ending account number. If the select code is A or b , this is the ending account number to process. This is not used unless selecting by account.

Columns	Size	Description
51 – 51	1	Last month end flag. Valid on first card only. Valid entries are: b Report should show all activity through today. M Report should show all activity through the last month end.
52 – 54	3	Report 06-108 days past due. Number of days the account must be past due in order for it to appear on report 06-108. Valid on first card only.
55 – 55	1	Report credit balances. Indicates whether accounts with credit balances are listed on reports 06-087, 06-107 – 06-108, and 06-126 or only on 06-109. Valid on first card only. Valid entries are: N List accounts with credit balances on report 06-109 only. Y List accounts with credit balances on reports 06-087, 06-107 – 06-108, and 06-126.
56 – 56	1	Infopoint Collection Management interface files. Indicates whether to create the interface files. Valid entries are: b Do not produce interface files. C Produce interface files.
57 – 80	24	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	READ failed on BNK.
0002	MICM Record 1001 not found.
0003	Application number on the control card is invalid.
0004	Institution number on the control card is invalid.
0005	Report number on the control card is not numeric.
0006	Report number on the control card is invalid.
0007	Report credit balances on the control card is invalid.
0008	Select code criteria on the control card is invalid.
0009	Account designation code on the control card is invalid.
0010	Application number on the control card is not numeric.
0011	Select code is T and type number on the control card is invalid.
0012	Select code 1 or 2 and officer code on the control card is invalid.
0013	Table limit exceeded (WS-CRDTBLLIMIT).
0014	READ NEXT failed on DMS.

Code	Description
0015	SORT failed on AN-SORTFIL.
0016	READ NEXT failed on GMS.
0017	READ failed on DHT.
0019	READ failed on GHT.
0020	READ NEXT failed on OSB.
0021	READ failed on RCV.
0022	READ NEXT failed on PAY.
0023	MICM Record 2001 not found.
0024	MICM Record 1001 not found.
0025	READ failed on BNK.
0026	READ failed on MICM Record 6000.
0027	READ failed on MICM Record 1001.
0028	READ failed on MICM Record 2018.
0030	Called module table limit exceeded (WS-RTSIZE).
0031	Called module name is spaces.
0032	ABEND requested from called module.
0033	Invalid report number.
0034	Table limit exceeded (WS-2007ENTRIES).
0035	READ failed on BNK.
0036	Error occurred while building CIF application table.
0037	MICM Record 1001 not found.
0038	READ failed on MICM Record 0020.
0039	READ failed on MICM Record 6000.
0041	Print control error.
0042	READ failed on MICM Records 0020, 0021, 0211, 0242, 0248, 1001, 2001, and 6000.
0043-0045	Currency conversion failed.
0046	READ failed on MICM Record 2007.
0047	Invalid report date.
0048	MICM Record 1001 not found.

Code	Description
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.

Trace Codes	Copybook
1000-1299	ANP010
1300-1399	ANP013
1400-1419	ANP014
1420-1499	ANP014L
1700-1799	ANP011
1800-1899	ANP018
1900-1999	ANP019
2000-2049	ANP200
2050-2059	ANP205
2060-2099	ANP206
2100-2151	ANP202
2150-2199	ANP036

Rerun Procedures

If the program aborts, correct the error and run the job exactly as before. There is no need to restore files. If you require assistance, contact the Analysis programmer.

ANR044 – Tax Detail Report Records

Purpose This program generates records for report 06-044 (Tax Detail Report), which shows the tax applied to services by account. This program includes a control card that can be used to specify the institution, tax region, and period reported. If no control card is entered, all institutions and tax regions are reported.

Note: Program AND005 should be run prior to ANR044 to initialize ANRPTS; otherwise, all existing report records are appended to ANRPTS. AND340 and AND350 *must be run after* ANR044 to sort and print the report records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TIS	ANTIS-RECORD	Tax Invoice Sequence Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports

The records for the following report are printed by AND350:
06-044 – Tax Detail Report

Control Card

The control card is optional and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry 06 .
03 – 06	4	Institution number or ALL .
07 – 12	6	Month/Year to be processed. If left blank, the current date on the Institution Control Record is used. (If the current date on the Institution Control Record is not the last processing day of the month, the previous month is used). Format is MMYYYY.
13 – 17	5	Tax region. If left blank, all tax regions are processed.
18 – 80	63	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	READ failed on MICM Record 1001 (Institution 0000).
0002	Table limit for control cards exceeded (WS-REQTBL-MAX).
0003	Application number on the control card is invalid.
0004	Control card with an institution number and ALL has been entered. Specify institution number or ALL .
0005	Card input is not in sequence by institution number.
0006	Institution number on the control card contains something other than ALL or an institution number.
0007	Date entered on the control card is not valid.
0008	READ or BROWSE failed on TXD.
0009	READ failed on DMS.
0010	READ failed on DHT.

Code	Description																										
0011	READ failed on GMS.																										
0012	READ failed on GHT.																										
0015	READ failed on TXS.																										
0016	WRITE failed on ANRPTS.																										
0017	PRICING-HIERARCHY-ROUTINE failed.																										
0018	READ failed on MICM Record 1001.																										
0019	READ failed on MICM Record 6000.																										
0020	READ failed on BNK.																										
0021	Control card with an institution number and ALL has been entered. Specify institution number or ALL .																										
0022-0023	READ failed on BNK.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
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Rerun Procedures Correct the error and run the job exactly as before.

ANR050 – Past Due Notice

Purpose

This program reads the Outstanding Bills Records and does the following:

1. Determines which items are past due based on the receivable past due date and the specified number of days past due.
2. Calculates the notice past due date.
3. Generates a notice (06-096) that lists the past due items if the notice past due date is less than or equal to the institution current date.

Note: The body of the notice and the number of days past due are defined on MICM Record 6019.

The remittance address is formatted based on the Invoice Options Remit Address on MICM Record 6000.

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
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2007	M07	MI2007-RECORD	Application Scheduled Report Options Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rate Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6019	M19	MI6019-RECORD	Analysis Past Due Notice Wording Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-096 – Past Due Notice

Control Card

The control card is optional. If a control card(s) is not present, all institutions on the BNK Records are processed.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	First institution to process. Valid entries are 0001 – 9999 .
07 – 10	4	Last institution to process. Valid entries are 0001 – 9999 .
11 – 80	70	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 on BNK.
0002	Application number on the control card is invalid.
0003	First institution to process on the control card is not numeric.
0004	Last institution to process on the control card is blank or not numeric.
0005	READ failed on BNK.
0006	START failed on OSB.
0007	READ failed on OSB.

Code	Description																										
0008	Unknown application code on OSB.																										
0009	MICM Record 6019 not found.																										
0010	MICM Record 6087 not found.																										
0011	READ failed on DMS.																										
0012	READ failed on GMS.																										
0013	MICM Record 0211 not found for the application.																										
0014	No MICM 0211 Records loaded into the application table.																										
0015	READ failed on MICM Record 6000.																										
0016	READ failed on MICM Record 2007.																										
0017	MICM Record 2007 (report 06-096) not found.																										
0018	GETMAIN failed on Officer Table.																										
0019	FREEMAIN failed on Officer Table.																										
0020	Dynamic expansion failed on Officer Table.																										
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.																										
	<table border="1"> <thead> <tr> <th>Trace Codes</th> <th>Copybook</th> </tr> </thead> <tbody> <tr> <td>1000-1299</td> <td>ANP010</td> </tr> <tr> <td>1300-1399</td> <td>ANP013</td> </tr> <tr> <td>1400-1419</td> <td>ANP014</td> </tr> <tr> <td>1420-1499</td> <td>ANP014L</td> </tr> <tr> <td>1700-1799</td> <td>ANP011</td> </tr> <tr> <td>1800-1899</td> <td>ANP018</td> </tr> <tr> <td>1900-1999</td> <td>ANP019</td> </tr> <tr> <td>2000-2049</td> <td>ANP200</td> </tr> <tr> <td>2050-2059</td> <td>ANP205</td> </tr> <tr> <td>2060-2099</td> <td>ANP206</td> </tr> <tr> <td>2100-2153</td> <td>ANP202</td> </tr> <tr> <td>2150-2199</td> <td>ANP036</td> </tr> </tbody> </table>	Trace Codes	Copybook	1000-1299	ANP010	1300-1399	ANP013	1400-1419	ANP014	1420-1499	ANP014L	1700-1799	ANP011	1800-1899	ANP018	1900-1999	ANP019	2000-2049	ANP200	2050-2059	ANP205	2060-2099	ANP206	2100-2153	ANP202	2150-2199	ANP036
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1800-1899	ANP018																										
1900-1999	ANP019																										
2000-2049	ANP200																										
2050-2059	ANP205																										
2060-2099	ANP206																										
2100-2153	ANP202																										
2150-2199	ANP036																										

Rerun Procedures

If the program aborts, correct the error and run the job exactly as before. There is no need to restore files. If you require assistance, contact the Analysis programmer.

ANR051 – Promotion Listing Report

Purpose This program prints report 06-922 (Promotions Listing), which lists all promotions as well as the account(s) participating in the promotion.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-Record	Application Information Record
1001	M74	MI1001-Record	Institution Information Record
2018	M18	MI2018-Record	Currency Information Record
6000	M00	MI6000-Record	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
PAW	ANPAW-RECORD	Account Promotional Waive Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
PRINTR	Printer File	Output	Disk	Sequential	133

Reports 06-922 – Promotions Listing

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.

Columns	Size	Description
11 – 80	70	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 on BNK.
0002	MICM Record 1001 not found.
0003	System number on the control card is invalid.
0004	Beginning institution number on the control card is not numeric.
0005	Ending institution number on the control card is not numeric.
0006	READ failed on BNK.
0007	READ failed on PRO.
0008	READ NEXT failed on PRO.
0009	READ NEXT failed on BNK.
0010	READ failed on PAW.
0011	READ NEXT failed on PAW.
0012	READ failed on MICM Record 1001.
0013	Load of application table failed.
0014	Application not found on application table.

Rerun Procedures

Correct the error and run the job exactly as before.

ANR052 – Accounts Promotions Listing

Purpose This program prints report 06-078 (Promotional Waive Account Promotions Listing), which lists accounts participating in promotions along with promotion information.

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
1001	M74	MI1001-Record	Institution Information Record
2001	M01	MI2001-Record	Branch Information Record
2007	M07	MI2007-Record	Application Scheduled Reports Options
2018	M18	MI2018-Record	Currency Information Record
6000	M00	MI6000-Record	Account Analysis Institution Parameters and Options Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
PRO	ANPRO-RECORD	Promotional Waive Parameters Record
PAW	ANPAW-RECORD	Account Promotional Waive Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable
PRNTR01	Printer File	Output	Disk	Sequential	133

Reports 06-078 – Promotional Waive Account Promotions Listing

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.
11 – 80	70	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 on BNK.
0002	System number on the control card is invalid.
0003	Beginning institution number on the control card is not numeric.
0004	Ending institution number on the control card is not numeric.
0005	READ failed on BNK.
0006	READ failed on PAW.
0007	READ NEXT failed on PAW.
0008	READ failed on PRO.
0009	READ failed on GMS.
0011	READ failed on DMS.
0012	MICM Record 1001 not found.
0013	READ failed on BNK.
0014	Load of application table failed.
0015	MICM Record 2007 not found.
0016	Application not found on application table.
0017	READ failed on MICM Record 6000.

Rerun Procedures Correct the error and run the job exactly as before.

ANR060 – Cross-edit Report

Purpose This program cross-edits the Deposit Master, Group Master, and History Records to validate the following.

Current Masters

Reads the Deposit Master Records and validates the existence of the Group Master Record if a Deposit Record is grouped. It also determines if the analysis cycle dates and lead days are synchronized, and if the service charge codes, Daily Balance Record options, and retention parameters are correctly matched. If a Master Record (Group or Deposit) is tied to a group, the group account is verified and edits are performed to ensure that no other Group accounts are already tied to it.

History

Reads the Deposit History Records and validates the existence of the Group History Record for the corresponding period if a deposit history record is grouped. It also determines if the service charge codes and Daily Balance Record options are correctly matched. There are user sections of code, which are already performed in the program, where custom code can be inserted to test and report conditions unique or mandatory in your financial institution.

Group Cross-reference Records

Identifies/Deletes Group Cross-reference Records for accounts within a relationship that no longer reside on the appropriate master file.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record

Ext Record Code	Name	Description
GMS	ANGMS-RECORD	Group Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-940 – Cross-edit Report

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 DMS.
0002	OPEN failed on DHT.
0003	OPEN failed on GHT.
0004	OPEN failed on GMS.
0006	READ failed on BNK (Institution 0000).
0007	Error initializing the Relationship Table.
0008	Error initializing the Ultimate Group Table.
0009	Error initializing the 1-up Table.
0010	Error initializing the 1-down Table.
0011	READ NEXT failed on DMS.
0012	READ failed on DHT.
0013	READ NEXT failed on DHT.
0014	READ failed on DHT.
0015	Error loading Relationship Table.
0016	READ failed on GMS.
0017	READ failed on GHT.
0018	MICM Record 1001 (institution) not found.

Code	Description
0019	MICM Record 6000 (institution) not found.
0020	Build of CIF application table failed.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR070 – Cumulative Charge-off Reports

Purpose This program produces the Cumulative Charge-off Report when the Payment Code on the Payment History Record is 0060, 0065, 0110, or 0115 indicating charge-off, or 0120 or 0125 indicating recovery.

Note: Program AND005 should be run *prior* to ANR070 to initialize ANRPTS. Programs AND340 and AND350 should be run *after* ANR070 to sort and print the appropriate report records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
2020	M20	MI2020-RECORD	Currency Exchange Rates Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
PAY	ANPAY-RECORD	Payment History Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports

The records for the following report are printed by AND350:
06-127 – Cumulative Charge-off Report

Control Card The control card is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number. Institution number to process or ALL , indicating to process all institutions.
07 – 10	4	Cutoff days. Valid entries are 0000 – 9999 .
11 – 80	70	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	READ NEXT failed on PAY.
0002	READ failed on DMS.
0004	READ failed on GMS.
0005	WRITE failed on ANRPTS.
0006	READ failed on BNK.
0007	Table limit exceeded (WS-INSTTSIZE).
0008	Institution number on the control card is invalid.
0009	Application number on the control card is invalid.
0010-0011	Institution number on the control card is invalid.
0012	BROWSE failed on BNK.
0013	READ NEXT failed on BNK.
0014	Table limit exceeded (WS-INSTTSIZE).
0015	READ failed on MICM Record 1001.
0016-0018	Currency conversion failed.
0020	READ failed on MICM Record 1001.

Code	Description
3000	Error occurred during the PROCESS-CURRENCY-CONVERSION routine (ANP035). This routine may be performed multiple times and trace codes (W035-CURN-TRACE) are used to identify which PERFORM was being executed. Some trace codes are contained in copybooks as identified in the following list.

Trace Codes	Copybook
1000-1299	ANP010
1300-1399	ANP013
1400-1419	ANP014
1420-1499	ANP014L
1700-1799	ANP011
1800-1899	ANP018
1900-1999	ANP019
2000-2049	ANP200
2050-2059	ANP205
2060-2099	ANP206
2100-2154	ANP202
2150-2199	ANP036

Rerun Procedures

If the program aborts, correct the error and run the job exactly as before. There is no need to restore files. If you require assistance, contact the Analysis programmer.

ANR100 – Initial Pricing Data Creation

Purpose This program builds the Initial Pricing Data Record (ANIPD).

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Default Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
IPD	ANIPD-RECORD	Initial Pricing Data Record
TRN	ANTRN-RECORD	Transaction 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.																																		
	<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>0001</td><td>GLOBAL CLOSE failed.</td></tr><tr><td>0002</td><td>READ failed on BNK.</td></tr><tr><td>0003</td><td>READ NEXT failed on TRN.</td></tr><tr><td>0004</td><td>READ NEXT failed on BNK.</td></tr><tr><td>0005</td><td>No TRN input.</td></tr><tr><td>0006</td><td>READ failed on MICM Record 6000.</td></tr><tr><td>0007</td><td>READ failed on MICM Record 1001.</td></tr><tr><td>0008</td><td>LOAD failed on application table.</td></tr><tr><td>0009</td><td>READ failed on DMS.</td></tr><tr><td>0010</td><td>READ failed on DHT.</td></tr><tr><td>0011</td><td>READ failed on DMS; Pricing Account Number invalid.</td></tr><tr><td>0012</td><td>READ failed on DHT; Pricing Account Number invalid.</td></tr><tr><td>0013</td><td>READ failed on GMS.</td></tr><tr><td>0014</td><td>READ failed on GHT.</td></tr><tr><td>0015</td><td>READ failed on GMS; Pricing Account Number invalid.</td></tr><tr><td>0016</td><td>READ failed on GHT; Pricing Account Number invalid.</td></tr></tbody></table>	Code	Description	0001	GLOBAL CLOSE failed.	0002	READ failed on BNK.	0003	READ NEXT failed on TRN.	0004	READ NEXT failed on BNK.	0005	No TRN input.	0006	READ failed on MICM Record 6000.	0007	READ failed on MICM Record 1001.	0008	LOAD failed on application table.	0009	READ failed on DMS.	0010	READ failed on DHT.	0011	READ failed on DMS; Pricing Account Number invalid.	0012	READ failed on DHT; Pricing Account Number invalid.	0013	READ failed on GMS.	0014	READ failed on GHT.	0015	READ failed on GMS; Pricing Account Number invalid.	0016	READ failed on GHT; Pricing Account Number invalid.
Code	Description																																		
0001	GLOBAL CLOSE failed.																																		
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0003	READ NEXT failed on TRN.																																		
0004	READ NEXT failed on BNK.																																		
0005	No TRN input.																																		
0006	READ failed on MICM Record 6000.																																		
0007	READ failed on MICM Record 1001.																																		
0008	LOAD failed on application table.																																		
0009	READ failed on DMS.																																		
0010	READ failed on DHT.																																		
0011	READ failed on DMS; Pricing Account Number invalid.																																		
0012	READ failed on DHT; Pricing Account Number invalid.																																		
0013	READ failed on GMS.																																		
0014	READ failed on GHT.																																		
0015	READ failed on GMS; Pricing Account Number invalid.																																		
0016	READ failed on GHT; Pricing Account Number invalid.																																		
Rerun Procedures	Correct the error and run the job exactly as before.																																		

ANR125 – Account/Profile Alert Report

Purpose This program produces report records that list accounts whose profiles are due to expire based on the MICM Record 6000 Expiration Days field.

Note: Program AND005 should be run *prior* to ANR125 to initialize ANRPTS. Programs AND340 and AND350 should be run *after* ANR125 to sort and print the appropriate report records.

API MICM Records

Record	Ext Record Code	Name	Description
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports

The records for the following report are printed by AND350:

06-131 – Account/Profile Alert Report

Control Card

The control card is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Show expired affiliate accounts option. Indicates whether to include on the report affiliate accounts with an expiration date that is less than the current processing date. Valid entries are: b or Y List affiliate accounts with an expiration date that is less than the cutoff date, which includes expired affiliate accounts. N Only list affiliate accounts with an expiration between the current processing date and the cutoff date, which does not include expired affiliate accounts.
04 – 80	77	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	No control card entered.
0002	Invalid application number on the control card.
0003	Invalid expired affiliate accounts option on the control card.
0004	START failed on DMS.
0005	READ NEXT failed on DMS.
0006	START failed on GMS.
0007	READ NEXT failed on GMS.
0008	READ failed on BNK.
0009	READ failed on MICM Record 6000.
0010	WRITE failed on ANRPTS.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR126 – Affiliate Number/Account Cross-reference Report

Purpose This program produces the affiliate number/account and account/affiliate number cross-reference reports.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	100
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-951 – Account/Affiliate Number Cross-reference
06-952 – Affiliate Number/Account Cross-reference

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card, the program will process all institutions. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.

Columns	Size	Description
07 – 10	4	Ending institution number.
11 – 11	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
12 – 12	1	Account/Affiliate number cross-reference (06-951) indicator. Valid entries are: b Do not print the report. X Print the report. Note: If this column is b , column 13 must be X . If this column is X , column 13 must be b .
13 – 13	1	Affiliate number/Account cross-reference (06-952) indicator. Valid entries are: b Do not print the report. X Print the report. Note: If this column is b , column 12 must be X . If this column is X , column 12 must be b .
14 – 14	1	List expired records indicator. Valid entries are: b Do not list expired records. X List expired records.
15 – 80	66	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	Application number on the control card is invalid.
0002	Beginning institution number on the control card is invalid.
0003	Ending institution number on the control card is invalid.
0004	Account/Affiliate number cross-reference (06-951) indicator on the control card is not X and affiliate number/account cross-reference (06-952) indicator on the control card is not X .
0005	Account/Affiliate number cross-reference (06-951) indicator on the control card is X and affiliate number/account cross-reference (06-952) indicator on the control card is X .
0006	Print/Fiche code on the control card is invalid.
0007	START failed on DMS.

Code	Description
0008	CLOSE failed on DMS.
0009	READ failed on BNK.
0010	READ failed on MICM Record 6000.
0011	START failed on GMS.
0012	CLOSE failed on GMS.
0013	START failed on BNK.
0014	Table size exceeded (WS-INSTMAX).
0015	Error occurred while building CIF application table.
0016	START failed on MICM Record 6032 during DMS processing.
0017	START failed on MICM Record 6032 during GMS processing.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR131 – Profile Default Parameter Alert Report

Purpose This program produces report 06-171 (Profile Default Parameter Alert) for MICM 6031 records with an effective cycle not greater than the current processing date and an expiration cycle not greater than the date calculated using the Expiration Days field on MICM Record 6000.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6031	M31	MI6031-RECORD	Analysis Profile Default Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-171 – Profile Default Parameter Alert

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. If there is no control card, the program uses the current date as the cutoff date. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 07	4	Beginning institution number. Valid entries are the first institution to process, ALL , or 0001 – 9999 .
08 – 08	1	Not used.

Columns	Size	Description
09 – 12	4	Ending institution number. Valid entries are the last institution to process or 0000 – 9999 .
13 – 80	68	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	READ failed on BNK.
0002	READ failed on MICM Record 6031.
0003	READ NEXT failed on MICM Record 6031.
0004	READ failed on BNK.
0005	READ failed on MICM Record 6000.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR132 – Profile Cross-reference Reports

Purpose This program searches for all accounts currently related to a profile and produces report 06-172 (Account/Profile Number Cross-reference) and 06-173 (Profile Number/Account Cross-reference) which list all accounts related to a profile that have not expired.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	77
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-172 – Account/Profile Cross-reference
06-173 – Profile /Account Cross-reference

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. If there is no control card, the program uses the current date as the cutoff date. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.

Columns	Size	Description
11 – 11	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
12 – 12	1	Account/Profile Cross Reference (06-172) indicator. Valid entries are: b Do not print the report. X Print the report. Note: If this column is b , column 13 must be X . If this column is X , column 13 must be b .
13 – 13	1	Profile/Account Cross Reference (06-173) indicator. Valid entries are: b Do not print the report. X Print the report. Note: If this column is b , column 12 must be X . If this column is X , column 12 must be b .
14 - 14	1	List expired records indicator. Valid entries are: b Do not list expired records. X List expired records.
15 – 15	1	Sort by Officer indicator. Valid entries are: b Do not sort by Officer. X Sort by Officer. Note: If this column is X , column 16 and column 17 must be b .
16 – 16	1	Sort by Branch indicator. Valid entries are: b Do not sort by Branch. X Sort by Branch. Note: If this column is X , column 15 and column 17 must be b .
17 – 17	1	Sort by Cost Center indicator. Valid entries are: b Do not sort by Cost Center. X Sort by Cost Center. Note: If this column is X , column 15 and column 16 must be b .
18 - 18	1	Officer, Branch, or Cost Center sort page break indicator. Valid entries are: b Do not page break when the value changes. X Page break when the value changes.
19– 80	62	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	No control card.
0002	Application number on the control card is invalid.
0003	Beginning institution number on the control card is invalid.
0004	Ending institution number on the control card is invalid.
0005	Print/Fiche code on the control card is invalid.
0006	Account/Profile Cross Reference (06-172) indicator on the control card is not X and Profile/Account Cross Reference (06-173) indicator on the control card is not X .
0007	Account/Profile Cross Reference (06-172) indicator on the control card is X and Profile/Account Cross Reference (06-173) indicator on the control card is X .
0008	List expired records indicator on the control card is invalid.
0009	Officer sort indicator on the control card is invalid.
0010	Branch sort indicator on the control card is invalid.
0011	Cost center sort indicator on the control card is invalid.
0012	Multiple sort indicators set to X on the control card.
0013	Officer, Branch, or Cost Center sort page break indicator on the control card is invalid.
0014	START failed on DMS.
0015	CLOSE failed on DMS.
0016	START failed on GMS.
0017	CLOSE failed on GMS.
0018	START failed on BNK.
0019	Application not found in application table during 06-172 processing.
0020	Application not found in application table during 06-173 processing.
0021	Table size exceeded (WS-INSTMAX).
0022	Error occurred while building CIF application table.
0023	READ failed on BNK.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR134 – Profile Parameter Alert Report

Purpose This program produces report 06-174 (Profile Parameter Alert) for MICM 6032 records that are due to expire based on the MICM Record 6000 Expiration Days field.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-174 – Profile Parameter Alert

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	START failed on BNK.
0002	START for MICM Record 6032 not found.
0003	START failed on MICM Record 6032.
0004	READ failed on MICM Record 6000.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR141 – Record Discrepancy Alert Report

Purpose

This program checks for specific MICM records (as indicated on the control card) during nightly processing. If any records are missing:

1. The program produces a report (06-150) that includes error messages identifying the missing records.
2. The program continues processing but sets the RETURN-CODE to 8, which allows the current jobstream to be terminated.

Important! Be sure to review report 06-150 and make the necessary correction(s) before rerunning the program.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2001	M01	MI2001-RECORD	Branch Information Record
2021	M21	MI2021-RECORD	Institution Holidays Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6017	M17	MI6017-RECORD	Analysis Consolidated Services Record
6018	M18	MI6018-RECORD	Analysis Past Due Fee Parameters Record
6025	M25	MI6025-RECORD	Analysis Branch Defaults Record

API Application
Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTK	Print File	Output	Printer	Sequential	133

Reports

06-150 – Record Discrepancy Alert Report

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Process the GMS Record indicator. Verifies that the BNK, 2001, 6000, and 6013 records exist. Valid entries are: N Do not process the Group Master Record. Y Process the Group Master Record.
04 – 04	1	Process the DMS Record indicator. Verifies that the BNK, 2001, 6000, and 6013 records exist. Valid entries are: N Do not process the Deposit Master Record. Y Process the Deposit Master Record.
05 – 05	1	Process the MICM 6002 Record indicator. Verifies that the BNK, 6000, 6011, 6012, and 6018 records exist. Valid entries are: N Do not process the Analysis Account Type Defaults Record. Y Process the Analysis Account Type Defaults Record.

Columns	Size	Description
06 – 06	1	Process the MICM 6016 Records indicator. Verifies that the BNK, 0211, and 6000 records exist. Valid entries are: N Do not process the Analysis Exception Service Pricing Record. Y Process the Analysis Exception Service Pricing Record.
07 – 07	1	Process the MICM 6000 Records indicator. Verifies that the BNK Record exists. Valid entries are: N Do not process the Analysis Institution Parameters Records Y Process the Analysis Institution Parameters Record.
08 – 08	1	Process the MICM 0211 Record indicator. Verifies that Applications 00 and 01 exist for each BNK Record. Valid entries are: N Do not process the Application Information Record. Y Process the Application Information Record.
09 – 09	1	Process the MICM 6017 Records indicator. Verifies that the BNK, 6000, and 6015 records exist. Valid entries are: N Do not process the Analysis Consolidated Services Record. Y Process the Analysis Consolidated Services Record.
10 – 10	1	Process the MICM 6025 Records indicator. For each institution performing tax processing, verifies that a 6025 Record exists for each branch (MICM Record 2001) on file. Valid entries are: N Do not process the Analysis Branch Defaults Record. Y Process the Analysis Branch Defaults Record.
11 – 11	1	Process the SPH Record indicator. Verifies that the SPH Record exists for Institution 0000. Valid entries are: N Do not process the Deposit Master Record. Y Process the Deposit Master Record.
12 – 80	6	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	Control card is missing.
0002	Application number on the control card is not 06 .
0003	GMS process indicator on the control card is not N or Y .
0004	DMS process indicator on control card is not N or Y .
0005	MICM Record 6002 process indicator on the control card is not N or Y .

Code	Description
0006	MICM Record 6016 process indicator on the control card is not N or Y.
0007	MICM Record 6017 process indicator on the control card is not N or Y.
0008	MICM Record 6000 process indicator on the control card is not N or Y.
0009	MICM Record 6025 process indicator on the control card is not N or Y.
0010	MICM Record 0211 process indicator on the control card is not N or Y.
0011	SPH process indicator on control card is not N or Y.
0012-0013	READ failed on BNK.
0014	READ NEXT failed on GMS.
0015	READ failed on MICM Record 2001.
0016	READ failed on MICM Record 6013.
0017	READ NEXT failed on DMS.
0018	READ failed on MICM Record 2001.
0019	READ failed on MICM Record 6013.
0021	READ failed on MICM Record 6002.
0022-0023	READ failed on MICM Record 6012.
0024	READ failed on MICM Record 6018.
0025	Table limit exceeded for MICM 0211 Record (WS-CIFALIMIT).
0026-0027	READ failed on MICM Record 6016.
0028	READ failed on MICM Record 6000.
0029	READ failed on MICM Record 6017.
0030	READ failed on MICM Record 6000.
0031	READ failed on MICM Record 2001.
0032	No MICM 0211 records loaded in table.
0033	READ failed on MICM Record 6018.
0034	READ NEXT failed on BNK.
0035	READ failed on MICM Record 6011.
0036	READ failed on SPH.
0037-0038	READ failed on MICM Record 6002.

Code	Description
7100	READ failed on SPH or institution not zeros (submodule ANB6015).
7101	Matching record not found (submodule ANB6015).
7102	Error handling SPH/MICM Record 6015 (submodule ANB6015).

Rerun Procedures Correct the error and run the job exactly as before.

ANR142 – Transaction/Pricing Verification

Purpose

This program reads all the transactions within the selected cycles and verifies that valid pricing records exist. If a discrepancy is found:

1. The program produces a report (06-151) that includes information to aid in correcting the problem.
2. The program continues processing but sets the RETURN-CODE to **8**, which allows the current jobstream to be terminated.

Important! Be sure to review report 06-151 and make the necessary correction(s) before rerunning the program.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016RECORD	Analysis Exception Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
TRN	ANTRN-RECORD	Transaction Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	164
PRINTR	Print File	Output	Printer	Sequential	133

Reports

06-151 – Transaction/Pricing Verification

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 04	2	Cycles. Number of prior cycles to verify transaction records. Valid entries are: 00 Only run for the current cycle. 01 – 98 Process the transaction file for this number of prior cycles. 99 Process the entire transaction 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	READ failed on BNK (Institution 0000).
0002	Control card is missing.
0003	Application number on the control card is invalid.
0004	Number of cycles on the control card is invalid.
0005	READ failed on BNK.
0006	READ failed on MICM Record 6000.
0007	READ failed on MICM Record 1001.
0008	Error occurred while building CIF application table.
0009	READ failed on TRN.
0010	Invalid return from sort.
0011	READ failed on MICM Record 1001.
0012	READ failed on GHT.

Code	Description
0013	READ failed on DHT.
0015	Application not found in application table.
7100	READ failed on SPH or SPH Institution not zeros (submodule ANB6015).
7101	Matching record not found (submodule ANB6015).
7102	Error handling SPH/MICM Record 6015 (submodule ANB6015).

Rerun Procedures Correct the error and run the job exactly as before.

ANR145 – Verify Organization Account Ranges

Purpose This program can be run anytime to verify that all accounts are assigned to an organization ID; however, this program must be run at conversion and any time you add Organization Identification Records.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
ORG	ANORG-RECORD	Organization Identification Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSORT	Sort Work File	I/O	Disk	Sequential	44
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-913 – Verify Organization Account Ranges

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 BNK.
0002	READ failed on MICM Record 1001.
0003	Invalid return from sort.
0004	READ failed on ORG.
0005	Internal organization ID table exceeded.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR150 – Scalability Reorganization

Purpose This program initializes and/or reorganizes the Master Records and the Cross-reference Strip Record based on the control card input.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
ORG	ANORG-RECORD	Organization Identification Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRS	ANXRS-RECORD	Cross-reference Strip Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80

Reports None

Control Card The control card must be inserted first in the job stream. If the control card is not present, it is assumed that the maintenance input is on cards. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Function code. Valid entries are: I Initialize to ORG Record. R Reorganize.
04 – 80	77	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 on DMS.
0002	OPEN failed on GMS.
0003	OPEN failed on ORG.
0004	OPEN failed on XRD.
0005	OPEN failed on XRS.
0006	OPEN failed on XRC.
0007	Initialization of Relationship Table failed.
0008	Initialization of Ultimate Group Table failed.
0009	Initialization of 1-up Table failed.
0010	Initialization of 1-down Table failed.
0011	START BROWSE failed on ORG.
0012	READ NEXT failed on ORG.
0013	Organization table exceeded maximum.
0014	Control card is missing.
0015	BROWSE failed on DMS.
0016	READ NEXT failed on DMS.
0017	WRITE failed on DMS.
0018	BROWSE failed on GMS.
0019	READ failed on GMS.
0020	WRITE failed on GMS.
0021	BROWSE failed on XRD.
0022	READ failed on XRD.
0023	REWRITE failed on XRD.
0024	BROWSE failed on XRC.
0025	Relationship Table Build failed.
0026	WRITE failed on XRS.
0027	READ failed on GMS.
0028	READ failed on DMS.
0029	READ NEXT failed on DMS.
0030	Deposit account not found on organization table.

Code	Description
0031	WRITE failed on DMS.
0032	READ NEXT failed on GMS.
0033	Group account not found on organization table.
0034	WRITE failed on GMS.
0035	GLOBAL CLOSE failed.

Rerun Procedures

Correct the error, restore the files, and run the job exactly as before.

Note: This program must be run with control card input. If the control card is to only reorganize the Master records, the ORG Record must not be deleted or dummied out of the JCL deck. If the ORG Record is present in the JCL when running with an **R** in the control card, the program will reorganize the records and proceed to reinitialize the records to the existing organization records.

ANR151 – ANPR3A2 Table Build

Purpose This program generates A2 table entries from the ORG Record. The API records delivered with the system must be installed first so the ORG Record can be updated online. Once the ORG Record has been updated online, this program must be run to generate the API records' parameters for use in scalability. ANR145 should be run after inputting the ORG Records online. This will prevent abends in the program for sequencing errors on the A2 'from – to' parameters.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
ORG	ANORG-RECORD	Organization Identification Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANSORT	Sort Work File	I/O	Disk	Sequential	51
MICRDP	Card Punch	Output	Disk	Sequential	80
ANTINT	ANPR3A2 Table Work File	I/O	Disk	Sequential	80

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
0001-0004	Invalid return from sort.
0005-0007	Table size exceeded.
0008	Table size exceeded (BAJ).
0009	Table size exceeded (DEX).
0010	Table size exceeded (DLB).
0011	Table size exceeded (DHT).
0012	Table size exceeded (DMS).
0013	Table size exceeded (TXD).

Code	Description
0014	Table size exceeded (GHT).
0015	Table size exceeded (GMS).
0016	Table size exceeded (CHK).
0019	Table size exceeded (TXS).
0020	Table size exceeded (OSB).
0021	Table size exceeded (PAW).
0022	Table size exceeded (PAY).
0023	Table size exceeded (PXR).
0024	Table size exceeded (RCV).
0025	Table size exceeded (RET).
0026	Table size exceeded (RPC).
0027	Table size exceeded (SCH).
0031	Table size exceeded (TAJ).
0032	Table size exceeded (TRD).
0033	Table size exceeded (TRN).
0034	Table size exceeded (XRL).
0036	Table size exceeded (TXW).
0037	From key is not +1 greater than To key of the previous entry.
0038	Duplicate ORG input.
0039	OPEN failed on ORG.
0040	READ NEXT failed on ORG.
0041	WRITE failed on ANTINT.
0042	Organization count is greater than +1 and there is not a global ORG.
0043	READ NEXT failed on ORG.
0044	Table size exceeded (PRO).
0045	Table size exceeded (TXZ).
0046	Table size exceeded (INV).

Rerun Procedures

Correct the error and rerun the job exactly as before.

ANR160 – Record Display

Purpose This program produces report 06-938 (Record Dump), which lists information on the following.

- Balance Adjustment Record
- Daily Balance Record
- Exception Rate Record
- Cross-reference Records
- History records (Deposit and Group)
- Invoice Cross-reference Record
- Master records (Deposit and Group)
- Outstanding Bills Record
- Payment History Records
- Receivables Record
- Relational Customers Records
- Repricing Request Records
- Service Charge Waive Information Record
- Transaction and Transaction Description Records
- Transaction Adjustment Record
- Service Charge Record
- History Change Demographic Record

A control card determines which accounts display.

API MICM Records

Record	Ext Record Code	Name	Description
0237	M60	MI0237-RECORD	Program Interface Parameters Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Institution Control Record

API Application Records

Ext Record Code	Name	Description
BAJ	ANBAJ-RECORD	Balance Adjustment Record
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record

Ext Record Code	Name	Description
EXC	ANEXC-RECORD	Exception Rate Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
HCD	ANHCD-RECORD	History Change Demographic Record
IXR	ANIXR-RECORD	Invoice Cross-reference Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAW	ANPAW-RECORD	Promotional Waive Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivables Record
RPC	ANRPC-RECORD	Repricing Request Record
SCH	ANSCH-RECORD	Service Charge Record
TAJ	ANTAJ-RECORD	Transaction Adjustment Record
TIS	ANTIS-RECORD	Tax Invoice Sequence Record
TRD	ANTRD-RECORD	Transaction Description Record
TRN	ANTRN-RECORD	Transaction Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record
TXW	ANTXW-RECORD	Tax Write-off Detail Record
TXZ	ANTXZ-RECORD	Tax Write-off Summary Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record
XRL	ANXRL-RECORD	Relational Customers Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-938 – Record Dump

Control Card The control cards are inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Master file. Valid entries are: D Deposit Master Record. G Group Master Record. U Service Charge Record.
04 – 07	4	Institution number.
08 – 09	2	Application code.
10 – 27	18	Account number.
28 – 29	2	Number of lines to print per page. Valid entries are 51 – 88 .
30 – 35	6	Starting date for history selection. Format is MMYYYY.
36 – 41	6	Ending date for history selection. Format is MMYYYY.
42 – 80	39	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	Start date on the control card is invalid.
0002	End date on the control card is invalid.
0003	Start date on the control card is greater than end date.
0004	READ failed on DMS.
0005	READ NEXT failed on DHT.
0006	READ NEXT failed on OSB.
0007	READ NEXT failed on PAY.
0008	OPEN failed on XRC.
0009	Relationship table initialization routine failed.
0010	Ultimate Group table initialization routine failed.
0011	1-up Table initialization routine failed.
0012	READ failed on GMS.
0013	READ NEXT failed on GHT.

Code	Description
0014	1-down Table initialization routine failed.
0015	READ NEXT failed on XRC.
0016	READ failed on RCV.
0017	READ NEXT failed on IXR.
0018	READ NEXT failed on OSB.
0019	READ NEXT failed on PAY.
0020	READ NEXT failed on EXC.
0021	READ NEXT failed on SCH.
0022	READ NEXT failed on XRL.
0023	OPEN failed on BNK.
0024	READ failed on TXS.
0025	READ NEXT failed on TXS.
0026	READ failed on TXD.
0027	READ NEXT failed on TXD.
0028	READ failed on TXW.
0029	READ NEXT failed on TXW.
0030	READ failed on TXZ.
0031	READ NEXT failed on TXZ.
0032	READ failed on PXR.
0033	GLOBAL CLOSE failed.
0034	BROWSE failed on TIS.
0035	READ failed on Relationship Information.
0036	READ failed on MICM Record 6000.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR165 – Institution Control Record Dump

Purpose This program reads the Institution Control Record and produces report 06-165 (Institution Control Record), which includes all data contained in the record.

A control card determines which institution's control records are displayed. Only one institution can be displayed per card.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
INV	ANINV-RECORD	Invoice Number Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-165 – Institution Control Record

Control Card The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 10	8	Program identification. Valid entry is ANR165 .
11 – 11	1	Print option. Valid entries are: 1 Snap dump. 2 Formatted report.
12 – 15	4	Institution number.
16 – 17	2	Number of lines per page. Optional.

Columns	Size	Description
18 – 80	63	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	BROWSE failed on BNK (Institution 0000).
0002	READ NEXT failed on BNK.
0003	OPEN failed on BNK.
0004	GLOBAL CLOSE failed.
0005	OPEN failed on INV.

Rerun Procedures If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR170 – Record Dump of Receivable Information

Purpose This program produces report 06-999 (Record Dump of Receivable Information), which displays Account Analysis billing information records.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivables Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-999 – Record Dump of Receivable Information

Control Card The format for the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .

Columns	Size	Description
03 – 03	1	Master file. Valid entries are: D Deposit Master Record. G Group Master Record.
04 – 07	4	Institution number.
08 – 09	2	Number of lines per page. Optional.
10 – 80	71	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	BROWSE or READ NEXT failed on DMS.
0002	BROWSE failed on OSB.
0003	BROWSE failed on PAY.
0007	BROWSE or READ NEXT failed on GMS.
0008	BROWSE failed on OSB.
0009	BROWSE failed on PAY.
0010	READ failed on RCV.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR175 – Receivables Reorganization Verification Report

Purpose This program prints report 06-914 (Receivables Reorganization Verification Report).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-Record	Institution Information Record
2018	M18	MI2018-Record	Currency Information Record
6027	M27	MI6027-Record	Analysis Comment Category Definition Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record
RCV	ANRCV-RECORD	Receivables Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
PRINTR	Printer File	Output	Disk	Sequential	133

Reports 06-914 – Receivables Reorganization Verification Report

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 BNK.
0002	READ failed on MICM Record 1001.
0003	READ failed on RCV.
0004-0005	READ NEXT failed on RCV.
0006	READ failed on OSB.
0007	READ NEXT failed on OSB.
0008	READ failed on PXR.
0009	READ NEXT failed on PXR.
0010	READ failed on PAY.
0011	READ NEXT failed on PAY.
0012	READ failed on PXR.
0013	READ NEXT failed on PXR.
0014	READ failed on PXR.
0015	READ NEXT failed on PXR.
0016	READ failed on OSB.
0017	READ failed on PAY.
0018	READ failed on DMS.
0019	READ failed on GMS.
0020	READ failed on BNK.
0021	READ failed on MICM Record 1001.

Rerun Procedures Correct the error and run the job exactly as before.

ANR176 – Account Customer Comments Report

Purpose This program prints customer comments by account or by institution in the sequence in which they reside on the COM (Customer Comment) record.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6027	A27	MI6027-RECORD	Analysis Comment Category Definition Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
COM	ANCOM-RECORD	Customer Comment Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files None

Reports 06-176 – Account Customer Comments Report

Control Card The control card is required and is inserted in the job stream after the execute card and before the end-of-data card. Multiple control cards may be supplied. **Only one card type (A or I) may be specified per execution.** The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.

Columns	Size	Description
04 – 04	1	Card type. Valid entries are: A Process by account. I Process by institution. Note: Only one card type may be specified per execution.
05 – 05	1	Not used.

Card Type = A

Columns	Size	Description
06 – 09	4	Institution number.
10 – 10	1	Not used.
11 – 12	2	Application code. Valid entries are 00 or 01 .
13 – 13	1	Not used.
14 – 31	18	Beginning account number or ALL .
32 – 32	1	Not used.
33 – 50	18	Ending account number. Leave blank if ALL is specified for beginning account number or if only one account is desired.
51 – 80	30	Not used.

Card Type = I

Columns	Size	Description
06 – 09	4	Specified institution number or ALL , indicating all institutions.
10 – 10	1	Not used.
11 – 14	4	Ending institution number. Leave blank if ALL is specified for the institution or if only one institution is desired.
15 – 80	29	Not used.

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

Note: For all control card related aborts, review the job's SYSOUT output for program display information that includes the number of the problem control card.

Code	Description
0001	OPEN failed on BNK.
0002	READ failed on MICM Record 1001.
0003	OPEN failed on GMS.
0004	OPEN failed on DMS.
0005	OPEN failed on COM.
0006	No records in CARDFIL.
0007	SORT failed.
0008	Application number on the control card is not 06 .
0009	Institution number on the control card is invalid (not a number).
0010	Application number on the control card is not 00 or 01 .
0011	Application number on the control card is not valid (not a number).
0012	Beginning account number on the control card is invalid (not a number).
0013	READ failed on MICM Record 0211.
0014	READ failed on GMS.
0015	BROWSE failed on GMS.
0016	READ NEXT failed on GMS.
0017	READ failed on DMS.
0018	BROWSE failed on DMS.
0019	READ NEXT failed on DMS.
0020	BROWSE failed on COM.
0021	READ NEXT failed on COM.
0022	READ failed on MICM Record 6027.
0023	READ failed on BNK.
0024	READ failed on MICM Record 1001.
0025	Card type on the control card does not match the card type of prior control card(s). Only one card type is allowed per execution.
0026	Card type on the control card is not A or I .

Code	Description
0027	Ending account number on the control card is invalid. The ending account number can not be specified when using a beginning account number of ALL .
0028	Ending account number on the control card is invalid. The ending account number cannot be less than the beginning account number.
0029	Ending account number on the control card is invalid. The ending account number must be a number or spaces.
0030	Ending institution number on the control card is invalid. The ending institution number can not be specified when using a beginning institution number of ALL .
0031	Beginning institution number on the control card is invalid (must be a number).
0032	Ending institution number on the control card is invalid. The ending institution number cannot be less than the beginning institution number.
0033	Ending institution number on the control card is invalid. The ending institution number must be a number or spaces.
Rerun Procedures	None

ANR180 – Statement Record Display

Purpose This program prints the contents of the Sorted Statement File or the Updated Statement File. The control card determines which statement format, account application, or account number is to be printed. Only one input card is processed each time the program is executed. The input file can be either the Updated Statement File or the Sorted Statement File. (If printing the Sorted Statement File, the sort keys also print.)

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSTMS	Sorted Statement File	Input	Disk	Sequential	Variable
ANSTMU	Updated Statement File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-939 – Analysis Statement Record Display (Sorted or Unsorted)

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Statement format.

Columns	Size	Description
04 – 07	4	Institution number.
08 – 09	2	Application code.
10 – 27	18	Account number. Must include leading zeros.
28 – 33	6	Statement date. Format is MMYYYY. Optional.
34 – 34	1	Unsorted file indicator. Valid entries are: b Print from the Sorted Statement File. Y Print from the Updated Statement File.
35 – 36	2	Lines per page. Enter the number of lines to print per page to override the default established on MICM Record 1001. Optional.
37 – 80	44	Not used.

Abort Information

None

Rerun Procedures

None

ANR200 – Account to Customer Cross-reference

Purpose This program produces report 06-933 (Account/Customer Cross-reference). A control card selects the option of printing or creating fiche for the report. The control card also determines which institution's accounts are cross-referenced.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	44
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-933 – Account/Customer Cross-reference

Control Card The control cards are inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.

Columns	Size	Description
11 – 11	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
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	Application number on the control card is invalid.
0002	Beginning institution number on the control card is invalid.
0003	Ending institution number on the control card is invalid.
0004	Print/Fiche code on the control card is invalid.
0005	READ NEXT failed on DMS.
0006	READ NEXT failed on GMS.
0007	BROWSE failed on BNK.
0008	Table size exceeded (WS-INSTMAX).
0009	Error occurred while building CIF application table.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR210 – Customer to Account Cross-reference

Purpose This program produces report 06-932 (Customer/Account Cross-reference). A control card selects the option of printing or creating fiche for the report. The control card also determines which institution's accounts are cross-referenced.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	47
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-932 – Customer/Account Cross-reference

Control Card The control cards are inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.

Columns	Size	Description
11 – 11	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
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	Application number on the control card is invalid.
0002	Beginning institution number on the control card is invalid.
0003	Ending institution number on the control card is invalid.
0004	Print/Fiche code on the control card is invalid.
0005	READ NEXT failed on DMS.
0006	READ NEXT failed on GMS.
0007	BROWSE failed on BNK.
0008	Table size exceeded (WS-INSTMAX).
0009	Error occurred while building CIF application table.

Rerun Procedures

If the program aborts and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR220 – Account/Group Cross-reference

Purpose This program produces report 06-930 (Account/Group Cross-reference) and report 06-931 (Group/Account Cross-reference). A control card selects the option of printing or creating fiche for these reports and determines which institution's accounts/groups are cross-referenced.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
XRC	ANXRC -RECORD	Cross-reference Chain Record
XRD	ANXRD -RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-930 – Account/Group Cross-reference
06-931 – Group/Account Cross-reference

Control Card

The control cards are inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Beginning institution number.
07 – 10	4	Ending institution number.

Columns	Size	Description
11 – 11	1	Print/Fiche code. Valid entries are: 0 Do not print. 1 Print only, no fiche. 2 Print and fiche. 3 Fiche only.
12 – 12	1	Print switch. Valid entries are: A Print all accounts from the selected institution. B Print all Deposit accounts from the selected institutions. D Print only Deposit accounts from the selected institutions. G Print only Group accounts from the selected institutions.
13 – 80	68	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	Application number on the control card is invalid.
0002	Beginning institution number on the control card is invalid.
0003	Ending institution number on the control card is invalid.
0004	Print/Fiche code on the control card is invalid.
0005	Print switch on the control card is invalid.
0006	READ failed on BNK (Institution 0000).
0007	OPEN failed on XRC.
0008	READ NEXT failed on XRC.
0009	Error occurred while accessing Relationship tables.
0010	Error occurred while building CIF application table.
0011	Initialization of Relationship Table failed.
0012	Initialization of Ultimate Group Table failed.
0013	Initialization of 1-up Table failed.
0014	Initialization of 1-down Table failed.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR260 – Temporary Service Charge Waive

Purpose This program produces the Temporary Waived Service Charge List, which shows all records on the temporary waive service charge dataset.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-954 – Temporary Waived Service Charge List

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number or ALL to process all institutions.
07 – 80	74	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 on BNK.
0002	START failed on WSC.
0003	READ NEXT failed on WSC.
0004	Application not found in application table.
0005	READ failed on MICM Record 1001.
0006	Error occurred while building CIF application table.
0007	READ failed on BNK (current institution).
0008	GLOBAL CLOSE failed on WSC.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR270 – Expiring Temporary Service Charge Waive

Purpose This program creates report records for Service Charge Waive Information Records set to expire within the number of Report Expiration Days on MICM Record 6000. The report records are used by AND350 to generate the Temporary Waived Service Charge Alert Report (06-129).

API MICM Records

Record	Ext Record Code	Name	Description
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports

The records for the following report are printed by AND350:
06-129 – Temporary Waived Service Charge Alert Report

Control Card

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

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number or ALL to process all institutions.
07 – 80	74	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 on BNK.
0002	READ failed on MICM Record 6000.
0003	READ or READ NEXT failed on BNK.
0004	Waive table capacity exceeded.
0005	READ NEXT failed on GMS.
0006	READ NEXT failed on DMS.
0007	ADD failed on ANRPTS.
0008	GLOBAL CLOSE failed.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR280 – Print Temporary Service Charge Waive Accounts

Purpose This program prints a list of the accounts affected by Service Charge Waive Information Records. In addition, this program creates the report records for 06-130 (Temporary Waived Service Charge Journal).

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
WSC	ANWSC-RECORD	Service Charge Waive Information Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANRPTS	Reports File	Output	Disk	Sequential	Variable

Reports The records for the following report are printed by AND350:
06-130 – Temporary Waived Service Charge Journal

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number or ALL to process all institutions.
07 – 80	74	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 on BNK.
0002	READ or READ NEXT failed on BNK.
0003	Waive table capacity exceeded.
0004	READ NEXT failed on GMS.
0005	READ NEXT failed on DMS.
0006	ADD failed on ANRPTS.
0007	GLOBAL CLOSE failed.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR300 – Daily Balance Record Build Edit

Purpose

This program edits the Daily Balance File Maintenance cards against the Daily Balance Record, the Deposit Master Record, and the Group Master Record. If an input card for an account contains an error, all input for that account is rejected. If the Daily Balance Record is being updated for a deposit account related to one or more groups, the proper adjustments for the group(s) Daily Balance Record are automatically generated. All valid input, along with any generated maintenance, is written to the Edited Daily Balance Input File and passed to ANR310.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANDLBC	Daily Balance File Maintenance Cards	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	91

Name	Description	Opened	Media	Access Mode	Record Length
ANDLBE	Edited Daily Balance Update File	Output	Disk	Sequential	85
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-943 – Daily Balance File Edit

Control Card

Three input cards are used to build the Daily Balance Record: a header card, an account card, and a balance card.

Header Card

Contains data used to control the processing of ANR300. There can only be one header card per run and it must be the first card input.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 09	7	Card type. Valid entry is HEADER .
10 – 10	1	Deposit daily balance option. Controls whether input is accepted for an account whose Daily Balance Option is N . Valid entries are: N Do not accept input if the Daily Balance Option is N . Y Accept input, regardless of the Daily Balance Option. (The Daily Balance Option is changed to Y .)
11 – 11	1	Group daily balance option. Controls whether the Daily Balance Option of related groups is Y . Valid entries are: N Do not change the Daily Balance Option of related group accounts to Y . Y Change the Daily Balance Option of related group accounts to Y .
12 – 12	1	Update option. This options controls whether or not maintenance input is accepted during this run. Valid entries are: N Do not accept maintenance input during this run. Y Accept maintenance input, as well as new balances input during this run.
13 – 13	1	Report option. Valid entries are: N Print both rejected and accepted accounts on the report. Y Print only rejected accounts on the report.
14 – 80	67	Not used.

Account Card

Indicates the account to which the daily balance maintenance is applied. You must input one card for each calendar month maintained. Each account card must be followed by one or more balance records.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 09	7	Card type. Valid entry is ACCOUNT .
10 – 13	4	Institution number.
14 – 15	2	Application code.
16 – 33	18	Account number.
34 – 35	2	Month.
36 – 39	4	Year.
40 – 80	41	Not used.

Card 01

A balance card that contains the actual balances used to update the Daily Balance File. One card is required for each day being maintained.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 09	7	Card type. Valid entry is b .
10 – 11	2	Calendar day. Indicates which day of the month to maintain.
12 – 12	1	Balance flag. Indicates whether this is new balance or maintenance information. Valid entries are: M Maintenance information. (Daily balance information exists for this day.) N New information. (Daily balance information does not exist for this day.)
13 – 29	17	Current balance.
30 – 30	1	Sign for current balance. If the current balance is negative, a dash must be placed in this field.
31 – 47	17	Current collected balance.
48 – 48	1	Sign of current collected balance. If the current collected balance is negative, a dash must be placed in this field.
49 – 65	17	Bank current collected balance.

Columns	Size	Description
66 – 66	1	Sign of bank current collected balance. If the bank current collected balance is negative, a dash must be placed in this field.
67 – 80	14	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	Sort return not zero.
0002	Institution 0000 not found on BNK.
0003	MICM Record 1001 not found.
0004	No input records entered.
0005	Header card is not first input.
0006	Invalid card type.
0007	Application number is not 06.
0008	Account card found with no balance cards.
0009	Application not found in CIF table.
0010	No balance cards input.
0011	Account input table capacity exceeded.
0012	MICM Record 1001 not found.
0013	Error occurred while building CIF application table.
0014	MICM Record 6000 not found.
0015	READ failed on DMS.
0016	READ NEXT failed on DHT.
0017	Account history table exceeded.
0019	READ failed on DLB.
0020	Invalid return from INITIALIZE-DAILYBALANCE.
0023	Account's group table exceeded.
0024	READ NEXT failed on GHT.
0025	Extract table capacity exceeded.
0026	WRITE failed on ANDLBE.
0027	Invalid return from RELATIONSHIP-TABLE-INITIAL.
0028	READ failed on DHT.

Code	Description
0029	Table size exceeded for account history.
0030	Start date range greater than ANBNK-CURDT.
0031	Invalid return from ULTIMATE-GROUP-TABLE-INITIAL.
0032	Invalid return from 1UP-TABLE-INITIAL.
0033	Invalid return from 1DOWN-TABLE-INITIAL.
0034	READ failed on GMS.
3000	Currency conversion error.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR310 – Daily Balance Record Build Update

Purpose This program updates the Deposit Master Record, Group Master Record, Group History Record, Deposit History Record, and the Daily Balance Record. Maintenance from the ANR300 program is sorted by account designation, investment code, institution, application, and account and is processed against the master records.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANDLBE	Edited Daily Balance Update File	Input	Disk	Sequential	85
SORTWK1	Sort Work File	I/O	Disk	Sequential	85
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-944 – Daily Balance File Build Update

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 return not zero.
0002	OPEN failed on DMS.
0003	OPEN failed on GMS.
0004	OPEN failed on DHT.
0005	OPEN failed on GHT.
0006	OPEN failed on DLB.
0007	READ failed on BNK (Institution 0000).
0008	No records on ANDLBE.
0009	Invalid return from SORTWK1.
0010	Date on ANDLBE is greater than date on BNK.
0011	Invalid account designation on ANDLBE.
0012	Duplicate record on ANDLBE
0013-0014	Account input table exceeded.
0015	Invalid data on ANDLBE.
0016	READ failed on BNK.
0017	MICM Record 1001 not found.
0018	Application not found for institution.
0019	MICM Record 6000 not found.
0020	Daily balance routine is zero.
0021-0024	Invalid data on ANDLBE.
0025	Error encountered processing ANDLBE.
0026	READ failed on DLB.
0027	Error occurred during initialization of DLB.
0028	Error occurred during ADD/REWRITE of DLB.
0029	READ failed on DMS.
0030	READ failed on DHT.
0031	READ failed on GMS.
0032	READ failed on GHT.

Code	Description
0033	REWRITE failed on DMS.
0034	REWRITE failed on GMS.
0035	REWRITE failed on DHT.
0036	REWRITE failed on GHT.
0037-0038	Application not found for institution.
0040-0043	Sync point restart error.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR320 – Group Daily Balance Record Refresh

Purpose This program is used to rebuild the Daily Balance Records for Group accounts. Once the records are built, the program updates the balances stored on the Group History Record to match those on the Daily Balance Record.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Disk	Sequential	133

Reports 06-945 – Group Daily Balance File Refresh

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number.
07 – 08	2	Application code.
09 – 26	18	Account number.

Columns	Size	Description
27 – 28	2	Month.
29 – 32	4	Year.
33 – 80	48	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 on GHT.
0002	OPEN failed on DLB.
0003	OPEN failed on GMS.
0004	READ failed on BNK.
0005	READ failed on MICM Record 1001.
0007	READ failed on DMS.
0008	READ failed on DHT.
0010	DHT statement date does not match last statement date.
0011	Table size exceeded (WS-SUBTBL-CAPACITY).
0012	READ failed on DLB.
0013	Error on ANDLB-BALFLAG (WS-SUB1).
0014	Table size exceeded (WS-BALTBL-ENTRIES).
0015	Table size exceeded (WS-BALTBL-CAPACITY).
0016	READ failed on DLB.
0017	Table size exceeded (WS-BALTBL-ENTRIES).
0018	ADD or WRITE failed on DLB.
0019	Initialization failed on DLB.
0020	READ failed on GMS.
0021	READ failed on GHT.
0022	READ failed on DLB.
0023	WRITE failed on GHT.
0024	GLOBAL CLOSE failed.
0025	Invalid return from Relationship-Table-Initial.

Code	Description
0026	Invalid return from Ultimate-Group-Table-Initial.
0027	Invalid return from 1-Up-Table-Initial.
0028	Invalid return from 1-Down-Table-Initial.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR321 – Daily Balance Record Review

Purpose This program reports any differences between the balances stored on a Deposit account history record and those stored on the Daily Balance Record.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DLB	ANDLB-RECORD	Daily Balance Record
DMS	ANDMS-RECORD	Deposit Master Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-946 – Daily Balance File Review

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number. Valid entries are 0001 – 9999 .
07 – 08	2	Application code. Valid entry is 00 .

Columns	Size	Description
09 – 26	18	Account number.
27 – 28	2	Cycle month. Format is MM.
29 – 32	4	Cycle year. Format is YYYY.
33 – 80	48	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	GLOBAL CLOSE failed.
0002	Error accessing the Relationship Table.
0003	OPEN failed on XRC.
0004	READ failed on DMS.
0005	Mismatch on ANDHT-STMTDT.
0006	READ NEXT failed on DMS.
0007	READ failed on DMS.
0008	READ failed on DHT.
0009	READ failed on DLB.
0010	READ failed on BNK.
0011	Error occurred while building CIF application table.
0012	MICM Record 1001 not found.
0013	Initialization of Relationship Table failed.
0014	Initialization of Ultimate Group Table failed.
0015	Initialization of 1-up Table failed.
0016	Initialization of 1-down Table failed.

Rerun Procedures

If the program aborts, correct the error and run the job exactly as before.

ANR360 – Master Mass Maintenance

Purpose

This program allows changes to a maximum of 15 fields for all accounts in the record within an institution, application, branch, region, type, miscellaneous parameter, price list, officer 1, officer 2, class and cost center by entering only one card for each field that needs to be changed. The maximum number of mass maintenance fields is limited to 15 per run of the program. Input to this program is card image: Form 80 for the Group Master Record and Form 81 for the Deposit Master Record.

Note: Refer to *Procedures Guide 2* for details regarding Forms 80 and 81.

If the Account-to-charge Institution, Application, and/or Account Number are being mass maintained, this program calls user exit ANB060 to validate the Account-to-charge Account Number in relation to the Account-to-charge Institution and Application. If the Account-to-charge Account Number is invalid or an error is encountered by ANB060, the error is reported by ANR360 and the applicable error information is shown on report 06-925 (Mass Maintenance).

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2001	M01 (MI)	MI2001-RECORD	Branch Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01 (AN)	MI6001-RECORD	Analysis Application Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record
6012	M12	MI6012-RECORD	Analysis Standard Rate Variances Record
6013	M13	MI6013-RECORD	Analysis Deposit/Group Miscellaneous Parameters Record

Record	Ext Record Code	Name	Description
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6022	M02	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record
6032	M32	MI6032-RECORD	Analysis Profile Parameter Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record
SPH	ANSPH-RECORD	Standard Pricing Hierarchy Record
TRN	ANTRN-RECORD	Transaction Record
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANINPT	Card Input	Input	Card	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-925 – Mass Maintenance

Control Card Input is card image to Application Form 80 (Group) or 81 (Deposit). Refer to *Procedures Guide 2* for details.

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	READ failed on BNK.
0002	MICM Record 1001 not found.
0003	OPEN failed on GMS.
0004	OPEN failed on DMS.
0005	Initialization of 1UP-TABLE-INITIAL failed.
0006	Initialization of 1DOWN-TABLE-INITIAL failed.
0007	OPEN failed on XRC.
0008	Table limit exceeded (WS-MAINTTBLMAX).
0009-0010	Table limit exceeded (WS-MAINTTBL).
0011	Initialization of RELATIONSHIP-TABLE-INITIAL failed.
0012	Table limit exceeded (WS-MAINTTBLMAX).
0013	MICM Record 6000 not found.
0014	One or more control cards are invalid. (Refer to the Error Messages on report 06-925 for details.)
0015	READ failed on BNK.
0016	READ NEXT failed on GMS.
0017	WRITE failed on GMS.
0018	Initialization for ULTIMATE-GROUP-TABLE-INITIAL failed.
0019	READ failed on BNK.
0020	READ NEXT failed on DMS.
0021	WRITE failed on DMS.
0022	ADD failed on PAX.
0023	LOCATE failed in GET-RELATIONSHIP-INFO
0024	MICM Record 6028 not found.
0025	ADD failed on PAX.
0026	READ failed on GMS.
0027	WRITE failed on GMS.
0028	READ failed on GMS.

Code	Description
0029	READ failed on TRN.
0030	DELETE failed on TRN.
0031	ADD failed on TRN.
0032	GLOBAL COMMIT failed on BNK.
7100-7102	Invalid return from MI6015-CHECKABORT-SPH.

Rerun Procedures

If the program aborts, do the following.

1. Correct the error.
2. Verify all I/O files
3. Run the job exactly as before.

Note: You might be required to restore the Master Records prior to rerunning this program.

If you require assistance, contact the Analysis programmer.

ANR380 – Mass Maintenance History

Purpose

This program allows changes to up to 15 fields for all accounts in the record within an institution, application, branch, region, type, miscellaneous parameter, price list, officer 1, officer 2, and cost center by entering only one card for each field that needs to be changed. The maximum number of mass maintenance fields is limited to 15 per run of the program. Input to this program is card image: Form 90 for the Group History Record and Form 91 for the Deposit History Record.

Note: Refer to *Procedures Guide 2* for details regarding Forms 90 and 91.

API MICM Records

Record	Ext Record Code	Name	Description
0242	M85	MI0242-RECORD	Employee Information Record
0248	M99	MI0248-RECORD	Cost Center Information Record
1001	M74	MI1001-RECORD	Institution Information Record
1006	M79	MI1006-RECORD	Error Message Information Record
2005	M05	MI2005-RECORD	Cycles Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6001	M01	MI6001-RECORD	Analysis Application Parameters Record
6022	M22	MI6022-RECORD	Analysis Database Commitment Parameters Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record
6028	M28	MI6028-RECORD	Analysis Waive Reason Code Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record
HCD	ANHCD-RECORD	History Change Demographic Record

Ext Record Code	Name	Description
XRC	ANXRC-RECORD	Cross-reference Chain Record
XRD	ANXRD-RECORD	Cross-reference Data Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANINPTS	Card Input	Input	Card	Sequential	200
SORTWK1	Sort Work File	I/O	Disk	Sequential	200
PRINTR	Printer File	Output	Printer	Sequential	133

Reports

06-927 – History Mass Maintenance

Control Card

Input is card image to Application Form 90 (Group) or 91 (Deposit). Refer to *Procedures Guide 2* for details.

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	READ failed on BNK.
0002	Institution 0000 not found on MICM Record 1001.
0003	OPEN failed on GHT.
0004	OPEN failed on DHT.
0005	OPEN failed on XRC.
0006	Initialization failed in ULTIMATE GROUP TABLE.
0007-0008	Table limit exceeded (WS-MAINTTBLMAX).
0009-0010	Table limit exceeded (WS-MAINTTBL).
0011	Initialization failed in RELATIONSHIP TABLE.
0012	READ failed on MICM Record 6000.
0013	One or more control cards are invalid. (Refer to the Error Messages on report 06-927 for details.)
0014	READ failed on BNK.
0015	START failed on GHT.
0016	READ NEXT failed on GHT.
0017	WRITE failed on GHT.

Code	Description
0018	READ failed on BNK
0019	START failed on DHT.
0020	READ NEXT failed on DHT.
0021	WRITE failed on DHT.
0022	Initialization failed in 1-UP TABLE.
0023	Initialization failed in 1-DOWN TABLE.
0024	Error occurred while performing GET RELATIONSHIP INFO.
0025-0026	READ failed on HCD.
0027	ADD failed on HCD.
0028	READ failed on GHT.
0029	WRITE failed on GHT.
0030	READ failed on GHT.
0031	CLOSE failed on BNK.

Rerun Procedures

If the program aborts, do the following.

1. Correct the error.
2. Verify all I/O files

Run the job exactly as before.

ANR400 – Statement Format Change

Purpose This program changes the statement format in the Statement File for testing purposes. All statements are changed to the format specified in the control card.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSTMS	Sorted Statement File	I/O	Disk	Sequential	Variable

Reports None

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 03	3	Blank.
04 – 04	1	Statement format. Valid entries are: A Statement format A. B Statement format B. C User-defined. D User-defined. E User-defined. 1 Statement format 1. 2 Statement format 2.
05 – 80	76	Not used.

Abort Information None

Rerun Procedures None

ANR470 – Deposit and Group (Adhoc)

Purpose This program (which can be executed daily) reads the Deposit and Group History Records and produces a record (IR1), which is keyed by historical period and is designed to aid in the generation of adhoc reports.

Note: The IR1 Record contains alternate keys to allow access by Officer 1, Branch, and User Code 1.

In addition, this program provides control card options that:

- Allow the current period information to be loaded into the IR1 Record.

Note: The date used for the current period is the first processing day of the month for the next month after the newest historical record found.

- Define how many months of historical information to place on the record.

This program also generates IR3 Records for each historical period represented on the IR1 Records.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
IR1	ANIR1-RECORD	InfoReporter History Strip Record
IR3	ANIR3-RECORD	InfoReporter History Strip Date Record

Files None

Reports None

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Load current DMS/GMS records. Valid entries are: N Do not load current information into IR1. Y Load current information into IR1.
04 – 05	2	Historical periods. Number of historical periods to load into the IR1 and IR3 records. Valid entries are 01 – 99 .
06 – 80	75	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	Invalid sort return.
0002	ADD failed on IR1.
0003	ADD failed on IR3.
0004	BROWSE failed on DHT.
0005	READ failed on DMS.
0006	BROWSE failed on DMS.
0007	BROWSE failed on GHT.
0008-0009	BROWSE failed on GMS.
0010	BROWSE failed on BNK.
0011	READ failed on MICM Record 1001.
0012	Control card is missing.
0013	System number on the control card is not 06 .
0014	Load current DMS/GMS records indicator on the control card is not N or Y .
0015	Historical periods' entry on the control card is not valid.
0016	GLOBAL CLOSE failed.
0018	READ failed on BNK.

Rerun Procedures Correct the error and run the job exactly as before.

ANR471 – Transaction Summary (Adhoc)

Purpose This program creates a transaction summary record (IR2) similar to the PTO Record. The program reads the Monthly Reports File generated out of ANM200. Then, the information from report 141 (which contains historical periods' data) is summarized into the IR2 Record.

Note: This program *must* be executed after ANM200.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record
IR2	ANIR2-RECORD	InfoReporter Transaction Summary Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANRPTM	Monthly Reports File	Input	Disk	Sequential	354

Reports None

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 04	2	Number of history months to extract. Valid entries are 01 – 99 .

Columns	Size	Description
05 – 05	1	Origin. Load the origin field into the field. Valid entries are: N Do not load the field. Y Load the field.
06 – 06	1	Branch fields. Valid entries are: N Do not populate the Branch fields. Y Populate the Branch fields.
07 – 07	1	Officer fields. Valid entries are: N Do not populate the Officer fields. Y Populate the Officer fields.
08 – 08	1	Account type fields. Valid entries are: N Do not populate the Account Type fields. Y Populate the Account Type fields.
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	Invalid sort return.
0002-0003	ADD failed on IR2.
0004	MICM Record 1001 not found.
0005	Call to subroutine MIB6086 failed.
0006	OPEN failed on BNK.
0007	MICM Record 1001 not found.
0008	Control card is missing.
0009	System number on the control card is not 06 .
0010	Origin on the control card is not N or Y .
0011	Number of history months to extract on the control card is not 01 – 99 .
0012	READ failed on IR2.
0013	DELETE failed on IR2.
0014	READ failed on IR2.
0015	DELETE failed on IR2.
0016	GLOBAL CLOSE failed.

Rerun Procedures

Correct the error and run the job exactly as before.

ANR472 – History Summary (Adhoc)

Purpose This program creates a summary record (IR4) of Group history and DDA history activity. The information in the record is summarized by Branch, Cost Center, Officer 1, Officer 2, Type, User Code 1, and Waive Reason Code. A control card is provided to determine which key elements are used.

API MICM Records

Record	Ext Record Code	Name	Description
0242	M85	MI0242-RECORD	Employee Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record
IR4	ANIR4-RECORD	InfoReporter History Master Summary Record

Files None

Reports None

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Officer 1. Valid entries are: N Do not load the Officer 1 fields. Y Load the Officer 1 fields.
04 – 04	1	Officer 2. Valid entries are: N Do not load the Officer 2 fields. Y Load the Officer 2 fields.
05 – 05	1	Branch. Valid entries are: N Do not load the Branch fields. Y Load the Branch fields.

Columns	Size	Description
06 – 06	1	Account type. Valid entries are: N Do not load the Account Type fields. Y Load the Account Type fields.
07 – 07	1	Cost center. Valid entries are: N Do not load the Cost Center fields. Y Load the Cost Center fields.
08 – 08	1	User code 1. Valid entries are: N Do not load the User Code 1 fields. Y Load the User Code 1 fields.
09 – 09	1	Waive reason code. Valid entries are: N Do not load the Waive Reason Code fields. Y Load the Waive Reason Code fields.
10 – 11	2	History months. Valid entries are 01 – 99 .
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	Invalid sort return.
0002-0003	ADD failed on IR4.
0004	READ failed on DHT.
0005	READ failed on GHT.
0006	OPEN failed on BNK.
0007	MICM Record 1001 not found.
0008	Control card is missing.
0009	System number on control card is not 06 .
0010	History months on the control card are not 01 – 99 .
0011	Officer 1 on the control card is not N or Y .
0012	Officer 2 on the control card is not N or Y .
0013	Branch on the control card is not N or Y .
0014	Account type on the control card is not N or Y .
0015	Cost center on the control card is not N or Y .
0016	User code 1 on the control card is not N or Y .
0017	Institution zero not found.

	Code	Description
	0018	Waive reason code on the control card is not N or Y .
	0019	GLOBAL ABORT failed.
Rerun Procedures		Correct the error and run the job exactly as before.

ANR488 – Statement Repository Record Display

Purpose This program prints the contents of the statement repository. The control card determines which statement format, account application, and account number is to be printed. Only one input card is processed each time the program is executed.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
YAI	ANYAI-RECORD	Repository Accounts Included Record
YAS	ANYAS-RECORD	Repository Activity Summary Information Record
YBC	ANYBC-RECORD	Repository Balance Conversion Record
YBI	ANYBI-RECORD	Repository Balance Information – Investment Record
YBN	ANYBN-RECORD	Repository Balance Information – Non-investment Record
YBW	ANYBW-RECORD	Repository Balance Information – Waive Record
YCI	ANYCI-RECORD	Repository Customer Information Record
YDB	ANYDB-RECORD	Repository Daily Balance Record
YDT	ANYDT-RECORD	Repository Daily Balance Totals Record
YER	ANYER-RECORD	Repository Exchange Rates Record
YIA	ANYIA-RECORD	Repository Invoice Activity Record
YIB	ANYIB-RECORD	Repository Invoice OSB Record
YII	ANYII-RECORD	Repository Invoice Information Record
YRD	ANYRD-RECORD	Repository Recap Detail Record
YRT	ANYRT-RECORD	Repository Recap Totals Record
YSD	ANYSD-RECORD	Repository Service Detail Record

Ext Record Code	Name	Description
YST	ANYST-RECORD	Repository Service Totals by Currency Record
YTD	ANYTD-RECORD	Repository Taxed Service Detail Record
YTE	ANYTE-RECORD	Repository Tax Invoice Exchange Rates Record
YTI	ANYTI-RECORD	Repository Customer Tax Information Record
YTS	ANYTS-RECORD	Repository Total Taxed Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Report

06-937 – Statement Repository Record Display

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card and is required. The format is as follows:

Columns	Size	Description
01 – 02	2	Not used.
03 – 03	1	Statement repository format. Valid entries are: D Domestic. I International.
04 – 07	4	Institution number.
08 – 09	2	Application number.
10 – 27	18	Account number.
28 – 33	6	Statement date. Format is MMYYYY.
34 – 34	1	Statement designation. Valid entries are: L Lead statement. R Reprint statement. S Snap statement.
35 – 36	2	Line count.
37 – 80	44	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	READ failed on BNK.
0002	READ failed on MICM Record 1001.
0003	Statement repository format in control card is invalid.
0004	Statement date in control card is invalid.
0005	Statement designation in control card is invalid.
0006	READ failed on YCI.
0007	READ failed on YAI.
0008	READ failed on YBC.
0009	READ failed on YBN.
0010	READ failed on YBI.
0011	READ failed on YBW.
0012	READ failed on YER.
0013	READ failed on YAS.
0014	READ failed on YRD.
0015	READ failed on YRT.
0016	READ failed on YSD.
0017	READ failed on YST.
0018	READ failed on YDB.
0019	READ failed on YDT.
0020	READ failed on YII.
0021	READ failed on YIB.
0022	READ failed on YIA.
0023	READ failed on YTI.
0024	READ failed on YTD.
0025	READ failed on YTS.
0026	READ failed on YTE.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR490 – Statement Repository Extract Print

Purpose This program is a validation print module that produces a printout of the records generated out of AND490.

A control card can be used to indicate the key of an account (Institution, Application, and Account Number) to be printed. If the control card does not specify a single account to be printed, the program prints all data on the extract file. A record dump with relative record number is also provided in place of the formatted statement print for debugging purposes. Setting the Debug field on the control card to **Y** causes this record dump to print.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANREPX	Statement Repository Extract File	Input	Disk	Sequential	Variable
PRINTR	Printer File	Output	Printer	Sequential	133

Report None

Control Card The control card is inserted in the job stream after the execute card and before the end-of-data card. If no control card exists, all institutions process with options defaulting. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number of account to print (optional).
07 – 08	2	Application of account to print (optional).
09 – 26	18	Account number of account to print (optional).
27 – 46	20	Not used.
47 – 47	1	Debug flag (optional). Valid entries are: b or N Normal record print. Y Print Debug record dump with record ID.
48 – 80	33	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	System number in control card is invalid.
0002	Institution number in control card is not numeric.
0003	Application number in control card is not numeric.
0004	Account number in control card is not numeric.
0005	Unrecognized record ID (cannot print unknown record type).
0006	Invalid RECID was found. See SYSOUT for record(s) print.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR510 – Profile Account Cross-reference Build

Purpose This program builds the Profile Account Cross-reference Record (PAX).

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
PAX	ANPAX-RECORD	Profile Account Cross-reference Record

Files

File	Description	Opened	Media	Access Mode	Record Length
SORTWK1	Sort Work File	I/O	Disk	Sequential	Variable

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	BROWSE failed on BNK.
0002	Invalid return from sort.
0003	READ NEXT failed on BNK.
0004	READ failed on GMS.

Code	Description
0005	READ failed on DMS.
0006	READ failed on DHT.
0007	READ failed on GHT.
0008	LOAD failed on PAX.

Rerun Procedures

If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR520 – Tax Region Detail Report

Purpose This program prints the 06-928 (Tax Region Detail) report.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
TXD	ANTXD-RECORD	Tax Detail Record
TXS	ANTXS-RECORD	Tax Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work file	I/O	Disk	Sequential	465
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-928 – Tax Region Detail

Control Card The control card is used to determine if the report displays year-to-date or prior period information. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Not used.
04 – 04	1	Report time period indicator. Valid entries are: P Prior period. Y Year-to-date.
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	READ failed on BNK.
0002	READ failed on MICM Record 1001.
0003	OPEN failed on TXD.
0004	OPEN failed on TXS.
0005	OPEN failed on GMS.
0006	OPEN failed on DMS.
0007	Control card is missing.
0008	Application number on the control card is invalid.
0009	Report indicator on the control card is invalid.
0010	Invalid return from sort.
0011	READ NEXT failed on TXD.
0012	READ failed on MICM Record 0211.
0013	READ failed on MICM Record 6023.
0014	READ failed on GMS.
0015	READ failed on DMS.
0016	READ failed on TXS.

Rerun Procedures Correct the error and run the job exactly as before.

ANR530 – Tax Region Summary Report

Purpose This program prints the 06-929 (Tax Region Summary) report.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
TXS	ANTXS-RECORD	Tax Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
SORTWK1	Sort Work file	I/O	Disk	Sequential	450
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-929 – Tax Region Summary

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	READ failed on BNK.
0002	READ failed on MICM Record 1001.

Code	Description
0003	OPEN failed on TXS.
0004	Invalid return from sort.
0005	READ NEXT failed on TXS.
0006	MICM Record 0211 not found.
0007	MICM Record 6023 not found.
0008	READ failed on GMS.
0009	READ failed on DMS.

Rerun Procedures Correct the error and run the job exactly as before.

ANR550 – Account/Tax Invoice Cross-reference

Purpose This program prints the 06-947 (Account/Tax Region Invoice Cross-reference) and 06-948 (Tax Region/Account Invoice Cross-reference) reports.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
TXS	ANTXS-RECORD	Tax Summary Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
SORTWK1	Sort Work File	I/O	Disk	Sequential	465
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-947 – Account/Tax Region Invoice Cross-reference
06-948 – Tax Region/Account Invoice Cross-reference

Control Card The control card is used to determine which reports are printed. The format of the control card is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 03	1	Not used.

Columns	Size	Description
04 – 06	3	Report 06-947 request indicator. Valid entries are: b Do not print 06-947. 947 Print 06-947.
07 – 07	1	Not used.
08 – 10	3	Report 06-948 request indicator. Valid entries are: b Do not print 06-948. 948 Print 06-948.
11 – 80	70	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 on TXS.
0002	OPEN failed on GMS.
0003	OPEN failed on DMS.
0004	Control card is missing.
0005	Application number on the control card is invalid.
0006	Report 06-947 request indicator on the control card is invalid.
0007	Report 06-948 request indicator on the control card is invalid.
0008	Invalid return from sort.
0009	READ NEXT failed on TXS.
0010	READ failed on BNK.
0011	READ failed on MICM Record 1001.
0012	READ failed on GMS.
0013	READ failed on DMS.
0014	READ NEXT failed on TXS.
0015	MICM Record 6023 not found.

Rerun Procedures

Correct the error and run the job exactly as before.

ANR800 – TMA Code Conversion

Purpose This program converts TMA codes on the Transaction Record and MICM Master File. The Transaction Record is updated as this program executes. Maintenance cards are generated for MICM records 6015 and 6016 as input to MID090, MID100, and MID200 to update the MICM Master File. Converted TMA codes, file counts, and data input rejects are displayed in the SYSOUT member once the program executes.

The control card determines which criteria are used as the key for the conversion (TMA Code or Service Code). The control card also determines which institutions are processed.

API MICM Records

Record	Ext Record Code	Name	Description
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6015	M15	MI6015-RECORD	Analysis Service Pricing Parameters Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
TRN	ANTRN-RECORD	Transaction Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
MIDSKI	MICM Maintenance Records	Output	Disk	Sequential	80

Reports

None

Control Card

The control card is inserted in the job stream after the execute card and before the end-of-data card. There may be only one control card specifying an individual institution or all institutions. All fields must be entered on the control card; there are no defaults. Data cards must immediately follow the control card. The format is as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Institution number or ALL .
07 – 07	1	TMA code conversion option. Valid entries are: S Service codes are used as the basis for the TMA conversion. T TMA codes are used as the basis for the TMA conversion.
08 – 80	73	Not used.

Data Card

The data cards are inserted after the control card and before the end-of-data card.

- Columns 01 – 07 of the control card *must* contain entries for the TMA code conversion to take place.
 - When **T** is entered in column 07, columns 01 – 06 of the data cards *must* be a TMA number.
 - When **S** is entered in column 07, columns 01 – 05 of the data cards *must* be a service code and column 06 *must* contain a space.
- The data cards are delivered with the valid TMA codes in columns 08 – 13.

The data card is formatted as follows:

Columns	Size	Description
01 – 06	6	TMA code/service code to be converted. If the TMA code conversion option is T , enter the TMA code to be converted. If the TMA code conversion option is S , enter a service code in columns 01 – 05 and a space in column 06.
07 – 07	1	Not used.
08 – 13	6	TMA code to which to convert.
14 – 14	1	Not used.
15 – 19	5	Service code description number. This field is optional and if it is present, the service code description is converted.
20 – 80	61	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	Application number on the control card is invalid.
0002	TMA code conversion option on the control card is invalid.
0003	Institution number on the control card is invalid.
0004	Table limit exceeded (WS-TMATBLIMIT).
0005	Table limit exceeded (WS-REJTBLIMIT).
0006	Institution on the control card not found in BNK.
0007	READ failed on BNK.
0008	BROWSE failed on TRN.
0009	READ NEXT failed on TRN.
0010	WRITE failed on TRN.
0011	MICM Record 6015 not found.
0012	READ NEXT failed on MICM Record 6015.
0013	MICM Record 6016 not found.
0014	READ NEXT failed on MICM Record 6016.
0015	WRITE failed on DSKIREC.
0016	GLOBAL CLOSE failed on MICM Master File.

Rerun Procedures If the program aborts, do the following.

1. Restore the Transaction Record (TRN).
2. Correct the error.
3. Run the job exactly as before.

If you require assistance to correct the error, contact the Analysis programmer.

ANR830 – Scalability Sequential File Recovery

Purpose This program creates the Recovery File used to produce the Checkpoint Restart Recovery report.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
CHK	ANCHK-RECORD	Database Checkpoint Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANCAPT	Capture File	Input	Disk	Sequential	Variable
ANCMN2	Cycle Maintenance Input	Input	Disk	Sequential	200
ANEVNT	Event File	Input	Disk	Sequential	71
ANGLTO	General Ledger Today File	Input	Disk	Sequential	608
ANIXRS	Invoice Cross-reference File	Input	Disk	Sequential	79
ANPRVC	Previous Service Charge File	Input	Disk	Sequential	405
ANRPTS	Reports File	Input	Disk	Sequential	Variable
ANSTDY	Statement Today File	Input	Disk	Sequential	190
ANSTMT	Statement File	Input	Disk	Sequential	Variable
ANSVCU	Service Charge Update File	Input	Disk	Sequential	164
ANSVC1	Receivables Service Charge Update File	Input	Disk	Sequential	164
ANSW14	Statement 14 Record File	Input	Disk	Sequential	182
ANSW15	Statement 15 Record File	Input	Disk	Sequential	152

File Name	Description	Opened	Media	Access Mode	Record Length
ANTAPX	Capture Input Tape File	Input	Disk	Sequential	200
ANTDET	Tax Detail File	Input	Disk	Sequential	235
ANTSUM	Tax Summary File	Input	Disk	Sequential	490
ANTXGL	Tax General Ledger File	Input	Disk	Sequential	349
ANWRKA	Temporary Work File A	Input	Disk	Sequential	420
ANWRK3	Temporary Work File 3	Input	Disk	Sequential	420
ANRCOV	Recovery File	Output	Disk	Sequential	Variable
PRNTER	Printer File	Output	Printer	Sequential	133

Reports

06-900 – Checkpoint Restart Recovery

Control Card

The control card is required and is formatted as follows:

Note: If no entries are made in columns 09 – 34, *all* applicable files are recovered.

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 08	6	Program identification. Valid entry is ANR830 .
09 – 09	1	Recover ANCMN2 record count. Valid entries are: b Do not recover this file. X Recover this file.
10 – 10	1	Recover ANCAPT record count. Valid entries are: b Do not recover this file. X Recover this file.
11 – 11	1	Not used.
12 – 12	1	Recover ANGLTO record count. Valid entries are: b Do not recover this file. X Recover this file.

Columns	Size	Description
13 – 13	1	Recover ANSTDY record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
14 – 14	1	Recover ANRPTS record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
15 – 15	1	Not used.
16 – 16	1	Recover ANSTMP record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
17 – 17	1	Recover ANSTMT record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
18	1	Recover ANSTMY record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
19 – 19	1	Recover ANSVCU record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
20 – 20	1	Recover ANSVC1 record count Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
21 – 21	1	Not used.
22 – 22	1	Recover ANWRK3 record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
23 – 23	1	Recover ANPRVC record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
24 – 25	2	Not used.
26 – 26	1	Recover ANIXRS record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
27 – 27	1	Recover ANTDET record count. Valid entries are: <input type="checkbox"/> Do not recover this file. <input checked="" type="checkbox"/> Recover this file.
28 – 28	1	Not used.

Columns	Size	Description
29 – 29	1	Recover ANTSUM record count (AND180). Valid entries are: b Do not recover this file. X Recover this file.
30 – 30	1	Not used.
31 – 31	1	Recover ANTXGL record count (AND180). Valid entries are: b Do not recover this file. X Recover this file.
32 – 32	1	Not used.
33 – 33	1	Recover ANSW14 record count (AND200). Valid entries are: b Do not recover this file. X Recover this file.
34 – 34	1	Recover ANSW15 record count (AND200). Valid entries are: b Do not recover this file. X Recover this file.
35 – 80	46	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	Application code on the control card is not 06 .
0002	READ failed on CHK.
0003	Program identification on CHK does not match the program indicated for recovery on the control card.
0004	READ failed on ANCMN2.
0005	WRITE failed on ANRCOV.
0006	READ failed on ANCAPT.
0007	WRITE failed on ANRCOV.
0010	READ failed on ANEVNT.
0011	WRITE failed on ANRCOV.
0012	READ failed on ANGLTO.
0013	WRITE failed on ANRCOV.
0014	READ failed on ANIXRS.
0015	WRITE failed on ANRCOV.
0016	READ failed on ANGTRN.

Code	Description
0017	WRITE failed on ANRCOV.
0018	READ failed on ANSVCU.
0019	WRITE failed on ANRCOV.
0020	READ failed on ANSVC1.
0021	WRITE failed on ANRCOV.
0022	READ failed on ANTAPX.
0023	WRITE failed on ANRCOV.
0024	READ failed on ANWRKA.
0025	WRITE failed on ANRCOV.
0026	READ failed on ANWRK3.
0027	WRITE failed on ANRCOV.
0028	READ failed on ANPRVC.
0029	WRITE failed on ANRCOV.
0032	READ failed on ANSTMP.
0033	WRITE failed on ANRCOV.
0034	READ failed on ANSTMT.
0035	WRITE failed on ANRCOV.
0036	READ failed on ANSTMY.
0037	WRITE failed on ANRCOV.
0040	READ failed on ANRPTS.
0041	WRITE failed on ANRCOV.
0042	READ failed on ANRPTS.
0043	WRITE failed on ANRCOV.
0046	READ failed on ANTXGL.
0047	WRITE failed on ANRCOV.
0050	READ failed on ANTDET.
0051	WRITE failed on ANRCOV.
0052	READ failed on ANWRK.
0055	WRITE failed on ANRCOV.
0056	CLOSE failed on CHK.
0057	WRITE failed on CHK.
0058	Program identification on the control card is b .

Code	Description
0059	Restart indicator on CHK is Z , indicating the error in abending program is <i>not</i> recoverable.
0060	READ failed on ANSW14.
0061	WRITE failed on ANRCOV.
0062	READ failed on ANSW15.
0063	WRITE failed on ANRCOV.
Rerun Procedures	Correct the error and run the job exactly as before.

ANR860 – Card Input Conversion

Purpose This program is used to read card input information and creates a 200-byte sequential output record that is placed on disk. The forms are indicated by every third set of cards. The first two sets of cards read should contain record lengths not to exceed 70 bytes in length and the third can contain up to 60. (There is no need for the card to contain the full 200 bytes of information.) If a form needs more than the full record length, it is indicated by a – (hyphen) in column 72 in card one and card two. (If the third card in a group of cards contains a – (hyphen), an error message is printed and the program continues to read until the end of file.) The result is one sequential file of data and at the end of job, the program aborts if the rejected count is greater than zero.

API MICM Records

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

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
MIDSKI	MICM Maintenance Records	Output	Disk	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-966 – Card to Disk Conversion

Control Card The format of the control card is as follows:

Columns	Size	Description
01 – 70	70	Data.
71 – 71	1	Space indicator. Valid entry is b .

Columns	Size	Description
72 – 72	1	Card hyphen. Determines if the next card should be read.
73 – 80	8	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	READ failed on BNK.
0002	MICM Record 1001 not found.

Rerun Procedures If the program aborts, correct the error, restore the files, and run the job exactly as before.

Note: An error message is displayed if the third card in a group of cards contains a – (hyphen) in column 72.

ANR900 – General Ledger Interface File Reformat

Purpose This program reformats the 4.9 version of the General Ledger Interface Extract File to the 4.8 version.

API MICM Records None

API Application Records None

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANGLEX	General Ledger Interface File	Input	Disk	Sequential	150
ANGLRF	General Ledger Interface Reformatted File	Output	Disk	Sequential	120

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	Dataset ANGLRF is full.
0002	Invalid data on ANGLEX.

Rerun Procedures If the program aborts, and you require assistance to correct the error, contact the Analysis programmer. Otherwise, correct the error and run the job exactly as before.

ANR950 – Application Record Display

Purpose This program displays account, history, and cross-reference records.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
DHT	ANDHT-RECORD	Deposit History Record
GHT	ANGHT-RECORD	Group History Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80

Reports None

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 09	9	Not used.
10 – 10	1	Print records. Valid entries are: A All records. G Group. D Deposit.
11 – 20	10	Not used.
21 – 21	1	Print history. Valid entry is Y .
22 – 36	15	Not used.
37 – 37	1	Print relationship. Valid entry is Y .
38 – 80	44	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	GLOBAL CLOSE failed on GMS.
0002	OPEN failed on GMS.
0003	OPEN failed on DMS.
0005	INITIAL failed on Relationship Table.
0006	OPEN failed on GHT.
0007	OPEN failed on DHT.
0008	INITIAL failed on Ultimate Group Table.
0009	READ NEXT failed on GMS.
0010	READ NEXT failed on GHT.
0011	READ NEXT failed on DMS.
0012	READ NEXT failed on DHT.
0013	INITIAL failed on 1-up Table.
0014	INITIAL failed on 1-down Table.
0015	BROWSE failed on Relationship Table.
0016	READ failed on GMS.
0017	READ failed on DMS.
0018	BROWSE failed on GMS.
0019	START BROWSE failed on DMS.

Rerun Procedures Correct the error and run the job exactly as before.

ANR953 – IBAN Key/Account Cross-reference Report

Purpose This program produces the IBAN Key/Account Cross-reference Report.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSORT	Sort File	I/O	Disk	Sequential	67
PRNTER	Printer File	Output	Printer	Sequential	133

Reports

06-960 – Account/IBAN Key Cross-reference
 06-961 –IBAN/ Account Key Cross-reference

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 06	4	Begin Key.
07 – 10	4	End Key.
11 – 11	1	PFC. Valid entries are 1 – 3 .
12 – 12	1	Account/IBAN. Valid entry is X .
13 – 13	1	IBAN/Account. Valid entry is X .

Columns	Size	Description
14 – 80	67	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	Invalid application number on control card.
0002	Invalid begin key on control card.
0003	Invalid end key on control card.
0004	Control card missing X on IBAN-ACCT or ACCT-IBAN.
0005	Control cards IBAN-ACCT and ACCT-IBAN have an X. Only one report can be requested.
0006	Invalid PFC on control card.
0007	BROWSE failed on DMS.
0008	CLOSE failed on DMS.
0009	BROWSE failed on GMS.
0010	CLOSE failed on GMS.
0011	BROWSE failed on BNK.
0012	BUILD-INST-TABLE subscript exceeds INST MAX.
0013	LOAD CIFAPPLTABLE failed.

Rerun Procedures

Correct the error and run the job exactly as before.

ANR980 – Receivables Reconciliation Report

Purpose This program is a request program that reads the API backup and compares the receivables' activity to the current data.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DHT	ANDHT-RECORD	Deposit History Record
DMS	ANDMS-RECORD	Deposit Master Record
GHT	ANGHT-RECORD	Group History Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
RCV	ANRCV-RECORD	Receivable Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSORT	Sort File	I/O	Disk	Sequential	67
PRNTER	Printer File	Output	Printer	Sequential	133

Reports 06-982 – Receivable Reconciliation Report

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print option. Valid entries are: N Print only records not in balance. Y Print all lines.
04 – 80	77	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	Invalid return from sort.
0002	OPEN failed on DMS.
0003	OPEN failed on DHT.
0004	OPEN failed on GMS.
0005	OPEN failed on GHT.
0008	OPEN failed on RCV.
0009	OPEN failed on OSB.
0010	OPEN failed on PAY.
0011	READ failed on BNK.
0012	READ NEXT failed on RCV.
0013	Record not found on OSB.
0014	Record not found on PAY.
0015	Application not found in application table. (MICM Record 0211)
0016	READ failed on GMS.
0017	READ failed on DMS.
0019	READ failed on GHT.
0020	READ failed on DHT.
0022	READ failed on BNK.
0023	MICM Record 1001 not found.
0024	Application table exceeded (WS-CIFASIZE).
0025	MICM Record 6000 not found.
0026	OPEN error on BISSVR.

Code	Description
0027	READ error on BISSVR.
0028	GLOBAL CLOSE failed on BNK.
0029	Application code on the control card is invalid.
0030	Print option on the control card is invalid.
0031-0040	Print table exceeded (WS-PRNTTSIZE).

Rerun Procedures Correct the error and run the job exactly as before.

ANR981 – Delinquency Aged Reconciliation Report

Purpose This program reads the API backup and compares the receivables' aged activity to current data.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record
OSB	ANOSB-RECORD	Outstanding Bills Record
PAY	ANPAY-RECORD	Payment History Record
PXR	ANPXR-RECORD	Payment Cross-reference Record

Files

File Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
ANSORT	Sort File	I/O	Disk	Sequential	65
PRNTER	Printer File	Output	Printer	Sequential	133

Reports 06-981 – Delinquency Aged Reconciliation Report

Control Card

The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06 .
03 – 03	1	Print control. Valid entries are: b Do not print records. N Do not print records. Y Print all records.
04 – 80	77	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	Invalid return from sort.
0002	System number on the control card is invalid.
0003	OPEN failed on DMS.
0004	OPEN failed on GMS.
0005	OPEN failed on OSB.
0006	OPEN failed on PXR.
0007	READ failed on BNK.
0008	READ failed on GMS.
0009	READ failed on DMS.
0010	Application not found in application table (MICM Record 0211).
0011	READ NEXT failed on OSB.
0012	READ failed on BNK.
0013	MICM Record 1001 not found.
0014	Application table exceeded (WS-CIFASIZE).
0015	MICM Record 6000 not found.
0016	OPEN failed on BISSVR.
0017	READ failed on BISSVR.
0018-0019	Table limit exceeded (WS-OSBMAX).
0020	READ NEXT failed on PXR.
0021	Table limit exceeded (WS-PXRTOP).

Rerun Procedures

Correct the error and run the job exactly as before

ANRXREF – Print Relationship Information

Purpose This program verifies the account relationship and prints account relationship information.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
BNK	ANBNK-RECORD	Institution Control Record
XRC	ANXRC-RECORD	Cross-reference Chain Record.
XRD	ANXRD-RECORD	Cross-reference Data Record.
XR1	ANXR1-RECORD	Cross-reference Chain Alternate Index Record

Files

Name	Description	Opened	Media	Access Mode	Record Length
ANCARD	Control Card	Input	Card	Sequential	80
PRINTR	Printer File	Output	Printer	Sequential	133

Reports 06-998 – Relationship Display

Control Card The control card is required and is formatted as follows:

Columns	Size	Description
01 – 02	2	Application number. Valid entry is 06.
03 – 12	10	Request code. Valid entries are: <ul style="list-style-type: none"> A Build the relationship table from here up. B Build the relationship table from here down. D Build a table of the accounts 1-level down. E Build the complete relationship table. G Return the ultimate groups. L Build the relationship table as a "leg" of the relationship. The table contains all of the group accounts above the request account (with a negative level number) and all of the related accounts below the request account. U Build a table of the accounts 1-level up. X Including this value with any of the above requests stops the reading of the XRD record. Use this value if your process does not require the XRD data.

Columns	Size	Description
13 – 16	4	Request institution number.
17 – 18	2	Request application number.
19 – 36	18	Request account number.
37 – 44	8	Request history date.
45 – 45	1	Verify switch. Valid entries are: b Print detail lines. Y Verify relationship of entire file. Institution, application and account number must be spaces.
46 – 80	35	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	Invalid return from INITIALIZE Relationship Table – ANB886.
0002	Invalid return from INITIALIZE Ultimate Group Table – ANB886.
0003	Invalid return from INITIALIZE 1-up Table – ANB886.
0004	Invalid return from INITIALIZE 1-down Table – ANB886.
0005	Control card is not found.
0006	Application number on the control card is invalid.
0007	Request code on the control card is not entered.
0008	Request institution, application and account on the control card are not spaces or numeric.
0009	Request account on the control card is not spaces but verify switch is equal to Y.
0010	READ failed on BNK.
0011	OPEN failed on XRC.
0012	BROWSE or READ NEXT failed on XRC.

User Exits

The following information is given for each user exit:

Purpose	Purpose of the user exit.
API MICM Records	Shows any MICM records accessed by the user exit.
API Application Records	Lists the API records accessed by the user exit.
Abort Information	Lists the trace codes and abort codes and provides a description of the problem encountered.

ANB060 – Account-to-charge Verify

Purpose This user exit is called by AND060 and ANR360 to verify an Account-to-charge Number. The following edits are performed:

1. Verifies a MICM 0211 Record exists for the Account-to-charge Application.
2. Verifies a MICM 2006 Record exists if the Account-to-charge Application's MICM 0211 Record has an Account Number Verification value specified.
3. Executes established check-digit processing against the Account-to-charge Number based on the MICM Record 2006 formulas specified.
4. Returns an Account-to-charge verification status to the calling program.

ANB060 can be modified (CHRG-ACCT-USER-EXIT SECTION) to include custom code for Account-to-charge verification. Further documentation that describes how to enable the user-exit logic and/or disable the standard account-to-charge verification logic is contained in the program.

Note: If the User Exit section of ANB060 is enabled, the current Deposit or Group Master Record being processed by the calling program is also available for reference by the custom code.

API MICM Records

Record	Ext Record Code	Name	Description
0211	M56	MI0211-RECORD	Application Information Record
2006	M06	MI2006-RECORD	Account Verification Formulas Record

API Application
Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master Record

Abort Information None

Return Information The following Function Codes are returned to the calling program.

Function Code	Description
---------------	-------------

E	Account-to-charge verification error encountered (refer to Trace Code)
F	Account-to-charge Number failed check-digit verification.
N	Account-to-charge Number not found or invalid (from user exit).
P	Account-to-charge Number passed check-digit verification.

If an Account-to-charge verification error is encountered (Function Code E), the following trace codes are also returned to the calling module.

Trace Code	Description
------------	-------------

0001	MICM Record 0211 data was not found on the MICM 0211 CIF table.
0002	MICM Record 0211 was not found (based on Account-to-charge Institution and Account-to-charge Application).
0003	MICM Record 2006 not found.
0004	MICM Record 2006 not found for specified MICM 2006 Next Routine.
0101	Reserved for user-exit custom code – User Exit Error 1.
0102	Reserved for user-exit custom code – User Exit Error 2.
0103	Reserved for user-exit custom code – User Exit Error 3.

Note: If trace codes 0101 – 0103 are issued by custom code, the following, MICM Record 2011 error messages (located in ANMSG51) can be changed either online or in batch to reflect a user-defined error message.

- 983
- 984
- 985

ANB490 – Statement Repository Extract

Purpose This user exit, which is called by AND490, is a shell routine to be customized to set up the 500-byte user area of the statement header record (ANREPX). The ANTRIG record, ANYCI record and the user area from the statement header record are passed to the user exit. When control is returned to AND490, the user area is moved to the output record and the record is written. All processing of the user area is performed in ANB490.

API MICM Records None

API Application Records

Ext Record Code	Name	Description
YCI	ANYCI-RECORD	Customer Information Record

Abort Information None

ANK6002 – Cross-edit MICM Record 6002

This user exit is called by MICM program MID100 to cross-edit MICM Record 6002 (Analysis Account Type Defaults).

ANK6012 – Cross-edit MICM Record 6012

This user exit is called by MICM program MID100 to cross-edit MICM Record 6012 (Analysis Standard Rate Variances). The following edits are performed:

1. If the Currency Code has not been entered, it defaults from MICM Record 1001 (Institution Information).
2. MICM Record 6002 (Analysis Account Type Defaults) is read based on the MICM Record 6012 key information to validate the Account Type.
3. The following verification is performed for all base and alternate rates:
 - a. The Ceiling and Floor fields are compared to ensure the Ceiling value is greater than the Floor value.
 - b. If the Factor field contains a value other than 'N' (not used) or 'F' (use the fixed variance amount), the Base code is checked to ensure it contains a value.
 - c. MICM Record 6011 (Analysis Base Rate Parameters) is read to ensure the Base code on MICM Record 6012 is valid.
4. The Balance fields are checked to ensure each balance is greater than the preceding balance.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters Record

API Application Records

None

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	3051	READ failed on MICM Record 1001.
0002	3051	READ failed on MICM Record 6000.
0003	3051	READ failed on MICM Record 6002.

ANK6013 – Cross-edit MICM Record 6013

This user exit is called by MICM program MID100 to cross-edit MICM Record 6013 (Analysis Deposit/Group Miscellaneous Parameters). The following edits are performed:

1. If the MICM Record 6013 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is **N** (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6013 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If the MICM Record 6013 Currency Code is spaces and the MICM Record 1001 Use Currency Code is 'Y' (multi-currency), an error occurs.
3. The MICM Record 6013 Currency Code is validated against MICM Record 2018 (Currency Information).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 2018.

ANK6015 – Cross-edit MICM Record 6015

This user exit is called by MICM program MID100 to cross-edit MICM Record 6015 (Analysis Service Pricing Parameters). The following edits are performed:

1. If the MICM Record 6015 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is **N** (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6015 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If the MICM Record 6015 Currency Code is spaces and the MICM Record 1001 Use Currency Code is **Y** (multi-currency), an error occurs.
3. The MICM Record 6015 Currency Code is validated against MICM Record 2018 (Currency Information).
4. MICM Record 6086 is read and its Service Description is compared to the 6015 Service Description. If they differ, the 6015 is updated with the 6086 description. If a 6086 Record is not found, the 6015 Service Description is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6086.
0003	3058	READ failed on MICM Record 2018.

ANK6016 – Cross-edit MICM Record 6016

This user exit is called by MICM program MID100 to cross-edit MICM Record 6016 (Analysis Exception Service Pricing Parameters). The following edits are performed:

1. If the MICM Record 6016 Currency Code is spaces and the MICM Record 1001 (Institution Information) Use Currency Code is **N** (single currency), the Currency Code is defaulted from MICM Record 1001.

OR

If the MICM Record 6016 Currency Code and the MICM Record 1001 Use Currency Code contain different values, an error occurs.

2. If MICM Record 6016 Currency Code is spaces and the MICM Record 1001 Use Currency Code is **Y** (multi-currency), an error occurs.
3. The MICM Record 6016 Currency Code is validated against MICM Record 2018 (Currency Information).
4. MICM Record 6086 is read and its Service Description is compared to the 6016 Service Description. If they differ, the 6016 is updated with the 6086 description. If a 6086 Record is not found, the 6016 Service Description is changed to spaces.
5. The Exception Pricing Code on the account's master record is updated to **S** to indicate the account has a valid Exception Pricing Record (EXC).

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
2018	M18	MI2018-RECORD	Currency Information Record
6016	M16	MI6016-RECORD	Analysis Exception Service Pricing Parameters Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

Ext Record Code	Name	Description
DMS	ANDMS-RECORD	Deposit Master Record
GMS	ANGMS-RECORD	Group Master 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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6086.
0003	4302	READ/UPDATE failed on DMS.
0004	4302	REWRITE failed on DMS.
0007	4304	READ/UPDATE failed on GMS.
0008	4304	REWRITE failed on GMS.
0009	3058	BROWSE failed on MICM Record 6016.
0010	3051	READ failed on MICM Record 2018.

ANK6017 – Cross-edit MICM Record 6017

This user exit is called by MICM program MID100 to cross-edit MICM Record 6017 (Analysis Consolidated Services). The following edits are performed:

1. MICM Record 1001 (Institution Information) is read to obtain the Language Code used when reading MICM Record 6086 (Analysis Service Code Descriptions).
2. MICM Record 6086 is read based on the MICM Record 6017 key information as well as the Language Code obtained from MICM Record 1001.

The 6086 Record is actually read twice. First using the Service Code from the 6017 Record key and again using the Consolidated Service Code from the data portion of the 6017 Record. If a corresponding description differs, the 6017 description is replaced with the 6086 description. If a MICM 6086 is not found, the description on the 6017 Record is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002-0003	3058	READ failed on MICM Record 6086.

ANK6018 – Cross-edit MICM Record 6018

This user exit is called by MICM program MID100 to cross-edit MICM Record 6018 (Analysis Past Due Fee Parameters). The following edits are performed:

1. MICM Record 6002 (Analysis Account Type Defaults) is read based on the MICM Record 6018 key information to validate the Account Type.
2. MICM Record 6011 (Base Rate Parameters) is read if the Base Code on the 6018 Record contains a value.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6000	M00	MI6000-RECORD	Analysis Institution Parameters Record
6002	M02	MI6002-RECORD	Analysis Account Type Defaults Record
6011	M11	MI6011-RECORD	Analysis Base Rate Parameters

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002	3058	READ failed on MICM Record 6000.
0003	3058	READ failed on MICM Record 6002.
0004	3058	READ failed on MICM Record 6011.

ANK6020 – Cross-edit MICM Record 6020

This user exit is called by MICM program MID100 to cross-edit MICM Record 6020 (Analysis Generated Services Parameter). The following edits are performed:

1. MICM Record 1001 (Institution Information) is read to obtain the Language Code used when reading MICM Record 6086 (Analysis Service Code Descriptions).
2. MICM Record 6086 is read based on the MICM Record 6020 key information as well as the Language Code obtained from MICM Record 1001.

The 6086 Record is actually read twice. First using the Service Code from the 6020 Record key and again using the Generated Service Code from the data portion of the 6020 Record. If a corresponding description differs, the 6020 description is replaced with the 6086 description. If a MICM 6086 is not found, the description on the 6020 Record is changed to spaces.

API MICM Records

Record	Ext Record Code	Name	Description
1001	M74	MI1001-RECORD	Institution Information Record
6086	M86	MI6086-RECORD	Analysis Service Code Descriptions Record

API Application Records

None

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	3058	READ failed on MICM Record 1001.
0002-0003	3058	READ failed on MICM Record 6086.

ANK6023 – Cross-edit MICM Record 6023

This user exit is called by MICM program MID100 to cross-edit MICM Record 6023 (Analysis Tax Region Parameters). The following edit is performed:

- MICM Record 2018 (Currency Information) is read to validate the Host Currency on the 6023 Record.

API MICM Records

Record	Ext Record Code	Name	Description
2018	M18	MI2018-RECORD	Currency Information Record

API Application Records None

Abort Information None

ANK6024 – Cross-edit MICM Record 6024

This user exit is called by MICM program MID100 to cross-edit MICM Record 6024 (Analysis Taxable Service Parameter). The following edit is performed:

- MICM Record 6023 (Analysis Tax Region Parameters) is read to validate the Tax Region on the 6024 Record.

API MICM Records

Record	Ext Record Code	Name	Description
6024	M24	MI6024-RECORD	Analysis Taxable Service Parameter Record

API Application Records None

Abort Information None

ANK6031 – Cross-edit MICM Record 6031

This user exit is called by MICM program MID100 to cross-edit MICM Record 6031 (Analysis Profile Default Parameter).

ANK6032 – Cross-edit MICM Record 6032

This user exit is called by MICM program MID100 to cross-edit MICM Record 6032 (Analysis Profile Parameter).

ANK6071 – Cross-edit MICM Record 6071

This user exit is called by MICM program MID100 to cross-edit MICM Record 6071 (Analysis GL Interface Key Control).

ANK6072 – Cross-edit MICM Record 6072

This user exit is called by MICM program MID100 to cross-edit MICM Record 6072 (Analysis GL Interface Service Parameters).

ANK6073 – Cross-edit MICM Record 6073

This user exit is called by MICM program MID100 to cross-edit MICM Record 6073 (Analysis GL Tax Detail Parameters). The following edit is performed:

- MICM Record 6023 (Analysis Tax Region Parameters) is read to validate the Tax Region on the 6073 Record.

API MICM Records

Record	Ext Record Code	Name	Description
6023	M23	MI6023-RECORD	Analysis Tax Region Parameters Record

API Application Records None

Abort Information None

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