



400 East Pratt Street
Baltimore, Maryland 21202-3116
(410) 539-3737

AIS+ EE
**Advanced Image
System+ Enterprise
Edition**
Version 1.0
**System
Administration
Manual**

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Copyright

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Trademarks

The following trademarks and registered trademarks contained in this manual belong to International Business Machines (IBM):

DB2 Database 2

CICS Customer Information Control System

FAF Folder Access Facility

ImagePlus

IODM ImagePlus Object Distribution Manager

OAM Object Access Method

Product Abbreviations

The following are approved abbreviations for the Syscom AIS+ Enterprise Edition product name used in this publication and the full product name to which the abbreviations refers:

AIS+ Is an abbreviation for Syscom AIS+ Enterprise Edition

AIS+ EE Is an abbreviation for Syscom AIS+ Enterprise Edition

About This Manual

The [AIS+ EE System Administration Manual](#) is intended for system administrators and application programmers responsible for maintaining the AIS+ application software.

For more general information (overview) on AIS+ and imaging, please refer to the [AIS+ EE General Information Manual](#) and the appropriate IBM ImagePlus manuals. Information on using the AIS+ software can be found in the [AIS+ EE User Reference Manual](#).

CICS System Transactions

In addition to the user transactions contained in the [AIS+ EE User Reference Manual](#), AIS+ also contains a series of CICS transactions that are not accessible to an end-user. These transactions are intended solely for the use of application administrative personnel, or they represent transactions that process "behind-the-scenes" where communication is between programs without the aid of screen processing.

The CICS system transactions include:

- Bad Transaction Error Logging
- Document Register and Route
- Held Document Release and Route
- Initial Application Profile Creation

Bad Transaction Error Logging

Introduction

The *AIS+ Bad Transaction Error Logging* function is responsible for logging an error when the document has not been successfully stored.

Access

The *AIS+ Bad Transaction Error Logging* function can only be accessed by the abnormal completion of a DC06 (*AIS+ Document Index and Scan* function) where the RT02 transaction is executed upon an unsuccessful store of an object in IBM OAM. The RT02 transaction is carried in the IBM FAF API to define an object (DEFOBJ) as a parameter (BTRANAME).

General Information

This function will insert an entry in the IBM FAF Error Log table (EYPTELOG) in addition to the normal IBM FAF entry insertion when IBM IODM indicates that the storage operation failed.

Document Register and Route

Introduction

The *AIS+ Document Register and Route* function is responsible for registering and routing (if required) of a document after it has been successfully indexed and scanned.

Access

The *AIS+ Document Register and Route* function can only be accessed by the normal completion of a DC06 (*AIS+ Document Index and Scan* function) where the RT01 transaction is executed upon a successful store of an object in IBM OAM. The RT01 transaction is carried in the IBM FAF API to define an object (DEFOBJ) as a parameter (GTRANAME).

General Information

Successful registration of the document to the IBM FAF tables is accomplished through the IBM FAF software. The *AIS+ Document Register and Route* function will add an event for the document indicating that it has been successfully scanned and stored (assuming the application profile has indicated that this event will be logged).

In the instance where the document also requires routing, this function will insert an entry in to the AIS+ Work Detail DB2 table (AISWORK or EYPTWDET for IBM FAF V2.2 users). An event will be logged (pending application approval) indicating that the document not only has been successfully scanned and stored, but was also placed in a routing queue.

Depending on values entered during form profile and application setup, documents in routing for the same folder ID that are on hold may be removed from hold and reentered into the queue. See Initial Application Profile Creation in this manual for a more detailed description.

In the event that an error is encountered during the registration/routing process, an entry will be inserted in the IBM FAF Error Log table (EYPTTELOG).

The *AIS+ Routing Data Exit* and the *AIS+ Event Format Exit* are available to further enhance AIS+ to meet your application requirements. For further information, please refer to Chapter 3: CICS User Exits, in this manual.

Held Document Release and Route

Introduction

The *AIS+ Held Document Release and Route* function is responsible for reviewing held documents on the Work Detail Table (AISWORK or EYPTWDET) and releasing them for processing within their established queues.

Access

The *AIS+ Held Document Release and Route* function is a time initiated transaction. The transaction (UT05) can be manually entered on a terminal or console, or can be automatically released through the use of the IBM CICS Program Load Table (PLT). Please note that DB2 must be up prior to the first execution of UT05. This may require that a program be written for the PLT to check DB2, then execute this transaction.

General Information

The *AIS+ Held Document Release and Route* function utilizes the AIS+ Recovery/Restart DB2 table in determining how it will operate. The table will be accessed every time UT05 processes, thus allowing flexibility in its operations. The spufi member 'INSRCOV' in the AIS+ install library, provides a sample of insert statement for program AIUT005P in the table AISRCOV.

Only the following columns of the AIS+ Recovery/Restart DB2 table are utilized in determining the operating characteristics of a given run:

| | |
|--------------------|---|
| RCOV_PROG_NAME | The value must be 'AIUT005P' |
| RCOV_CNTL_FREQ | The starting interval of the next process measured in minutes ('1000' = 10 minutes). The start time of the next transaction is set when the START command is issued within the program. |
| RCOV_PEAK_CMT_ROWS | The number of rows to be processed before a DB2 commit is issued |
| RCOV_JOB_STATUS_CD | The operating status of the next function ('A' - active, 'S' - stop) |

Any combination of the control frequency, commit count, or job status code columns can be altered prior to the execution of the next *AIS+ Held Document Release and Route* function. The next execution of the function will utilize this new information in determining how it will process, and whether or not to issue another transaction.

Note: The actual release (based upon interval time) and execution of the transaction will depend upon CICS activity and volume of items removed from hold, therefore, the time lapse between transactions may vary.

Upon completion of *AIS+ Held Document Release and Route*, the process will update the RCOV_RUN_INFO column with not only the status of the process, but also the number of items that were processed. The format will either be

STOPPED ON: date/time ITEMS REMOVED FROM HOLD: zzzz

or

LAST RUN ON: date/time ITEMS REMOVED FROM HOLD: zzzz

where the 'stopped' comment indicates that the job status code was read as an 'S' and that another initiation of the transaction was not requested. The 'last run on' comment indicates the job was run and that another execution will occur, unless the transaction is manually stopped.

If an entry is not found for AIUT005P in the AIS+ Recovery/Restart table or if the table can not be accessed, the *AIS+ Held Document Release and Route* function will use a default of 10 minutes in starting the next transaction and will use a commit frequency of 5. Likewise, the *AIS+ Held Document Release and Route* function will not be able to update the last run information in the AIS+ Recovery/Restart DB2 table.

In the event that more than one transaction is queued for execution, the *AIS+ Held Document Release and Route* function issues a CICS CANCEL command to remove any other similar transactions prior to issuing a start for the next one.

AIS+ Held Document Release and Route function compares all documents found to be on hold (the hold date and time contain values) against the current system date and time. If the held information is greater than the system time, then the document is skipped over. Otherwise, the date and time are set to zero, the document status field is set to active ('A'), and the document becomes eligible for processing in its current assigned queue.

In the event an error occurs during the process, an entry will be made to the IBM FAF Error Log (EYPTELOG).

Initial Application Profile Creation

Introduction

The *AIS+ Initial Application Profile Creation* function is responsible with aiding the creation of an application's initial profile.

Access

The *AIS+ Initial Application Profile Creation* function can only be accessed by entering SA09 on a blank IBM CICS screen and pressing <ENTER>.

Security access to this function is not governed by the AIS+ Operator Profile table (AISAPPL). Access is controlled by your installations method of securing CICS transactions.

General Information

The *AIS+ Initial Application Profile Creation* function allows you to create an application that will be accessible under the AIS+ software umbrella. Future modifications to the application's profile, as needed, can be made by using the *AIS+ Application Profile (1) Administration* and *AIS+ Application Profile (2) Administration* functions (see the [AIS+ EE User Reference Manual](#)).

An application ID and its description must be entered. The application description along with the application identifier will display on the *AIS+ Application Menu* for those operators who have been granted access to use the application.

The application tableset ID field determines the tableset number that will be used for this application. The tableset number only applies to the FAF tables that facilitate tableset support. See your technical support staff for information on which tableset ID to use.

The application create site represents the IBM ImagePlus Object Distribution Manager's (IODM) Customer Information Control System (CICS) system identifier. This value must be obtained from your system programming staff.

The date interface format can represent any one of the following six forms:

- = MM/DD/YYYY
- = DD/MM/YYYY
- = DD.MM.YYYY
- = YYYY-MM-DD
- = DD-MM-YYYY
- = DD MM YYYY

This indicates the format of the dates passed to the user exits.

Entering and displaying time formats can represent either a 24 hour military time (00:00 to 23:59) or a 12 hour time (AM and PM). There is no requirement that both formats must be the same, but consistency should be followed.

AIS+ provides the ability to have either 30 or 60 characters of document description displayed when accessing the *AIS+ Document List* function.

The folder tab list format field determines how the *AIS+ Folder/Tab List* function lists the number of documents in a folder/tab combination. A value of "T" will return a list of the number of documents in

each folder/tab where the number of documents is greater than zero. A value of “R” will return a list of the number of documents by date received in each folder/tab where the number of documents is greater than zero.

The sort order for the work queue must be entered. The values are “P” for priority order or “D” for detail.

The number of work items must be entered. This value represents the maximum number of documents that will be sent to the workstation at one time on the *AIS+ Work with Queued Items List*.

The system administrator identifier and password will represent the highest level of identifier that has access to all components of the application. An operator profile record with full security access will automatically be generated for the entered identifier upon completion of this function.

Physical or logical document copying can be performed. Physical copies require more storage since a duplication of an original document will be generated. Logical copies use pointers to a single physical copy. Currently logical copies are only available, so the copy indicator can not be altered.

The system currently only supports logical document deletion, so the delete indicator can not be altered.

A temporary ID format type must be entered (along with its prefix if the type is a 4). This temporary ID format will be used by the application when indexing a document for scanning (*AIS+ Document Index and Scan* function) and when manipulating the pages of a document (*AIS+ Document Modification* function).

The default number of days after the document has been received that then classifies the document as being expired (removed from the work queue), can be altered. The number of days is added to the original receive date in calculating when the document should have its priority set to the highest value. The document will then be presented as one of the top documents that needs to be addressed within the workflow.

The Future Days must be entered. This field is added to the current date to calculate the end receive date for the list queue selection.

The exit name suffix identifies the exit names for each exit. The map name suffix identifies which map suffix will be utilized.

The maximum priority must be entered. This value represents the highest priority a document can achieve during the normal aging process. Additionally, this value serves as the low boundary when assigning the 'maximum priority' status to a document. A document is given the maximum priority by placing an 'X' in the priority indicator field within the *AIS+ Document Modify* function, the *AIS+ Document Index and Scan* function or the *AIS+ Work With Queued Items* function. Once an 'X' is placed in the field and the user presses <ENTER>, the priority data field is opened for data entry.

The application's default collection name must be entered. Any new document entered into the system that does not have a collection name attached to its form profile (as identified in the *AIS+ Form Profile* function) will use the application's default collection name when stored.

All event logging flags will be turned on. All of the AIS+ Host Print function defaults will be set to spaces with the exception of the first fields for both the requestor and the receiver. These later two fields will carry labels for a 'name' to be entered. To modify what the application will actually utilize, refer to the *AIS+ Application Profile (2) Administration* function in the [AIS+ EE User Reference Manual](#).

The creation of a new application will also result in the definition of a group on the AISGRUP table. A default group of 'GLOBAL' will be defined. The operator that created the application will have a row inserted into the AISGOPR table to grant him or her access to the forms that reside in the 'GLOBAL' group. Once the application has been created successfully, new groups can be added via the *AIS+ Form*

Profile function . Further, operators can be granted access to specific groups through the new *AIS+ Group Assignment* function. Any new operator that is added will automatically have access to forms in the 'GLOBAL' group. Refer to the [AIS+ EE User Reference Manual](#) for information on the Form Profile function and the Group Assignment function.

Field Definitions

| Field | Entry Type | Description/Comments |
|-------------------------------|------------|--|
| Application ID | Required | This is the 2 character application ID identifying the application. |
| Tableset | Optional | This table specifies which tableset number will be used for FAF tables. The tableset number must be a numeric value 0 through 7. If tableset number is not entered, the system defaults to 0. |
| Application Create Site | Required | This is the 4 character symbolic IBM IODM create site where documents will be stored. |
| Description | Required | This is the 20 character application description displayed during the sign on process on the <i>AIS+ Application Menu</i> . |
| Date Interface Format | Required | This defines the formats of dates are passed to the user exits. 1 = MM/DD/YYYY 2 = DD/MM/YYYY 3 = DD.MM.YYYY 4 = YYYY-MM-DD 5 = DD-MM-YYYY 6 = DD MM YYYY |
| Time Display Format | Required | This defines the time format displayed in the AIS+ system. 1 = 12 hour (AM/PM) 2 = 24 hour (00:00 to 23:59) |
| Time Entry Format | Required | This defines the time format entry in the AIS+ system. 1 = 12 hour (AM/PM) 2 = 24 hour (00:00 to 23:59) |
| Sort Work Items | Required | Flag that will determine the sort order of the object description within Work Queue Item function: P - Sort by Priority descending, Date Received ascending D - Sort by Object Description ascending The Sort Application ID flag(SRTAPPLD) in the Operator Profile function can override the sort order for the item list in the Work Queue Item function. |
| Document List Format | Required | This defines the number of lines and characters that will be displayed on the <i>AIS+ Document List</i> screen. 1 - 1 line with 30 characters 2 - 2 lines with 30 characters each (60 characters total) |
| Number of Work Items | Required | This is the maximum number of documents that will be sent to the workstation on the <i>AIS+ Work with Queued Items</i> screen. |
| System Administrator ID | Required | This is the 8 character identifier of the system administrator for this application. |
| System Administrator Password | Required | This is the 8 character password associated with the system administrator. |

| Field | Entry Type | Description/Comments |
|--------------------|------------|--|
| Temp ID Type | Required | This is the type of temp ID generated in the <i>AIS+ Document Index and Scan</i> function. 1 = Folder ID 2 = Folder ID + 3 random digit suffix 3 = 6 random digits 4 = TEMP ID PREFIX + 6 random digit suffix |
| Temp ID Prefix | Optional | This is the prefix of the temp ID generated in the <i>AIS+ Document Index and Scan</i> function. Required if the temp ID is 4. |
| Folder Type Prefix | Required | 'Y' = folder type is the first two positions of folder ID 'N' = folder type is not part of the folder ID |
| Copy Ind | Display | 'L' = Logical copying of documents (pointers to one physical copy) 'P' = Logical copy of objects with an object version count (option not currently available) |
| Delete Ind | Display | 'L' indicates documents will be logically deleted 'P' indicates logical copy of objects with an object version count. |
| Max Days | Required | Maximum days are added to the document receive date to determine when the priority value should be automatically set to the highest value. |
| Futr Days | Required | The days are added to the current date to calculate the ending receive date for selecting the list queue. |
| Exit Name Suffix | Optional | The exit name suffix gives a unique identifier for each exit name in an application. Valid values are 'A' through 'Z' and 0 through 9. If an exit suffix is not entered, the system defaults to 'P'. For example, if suffix is 'A' then the exit name is AIEX001A for the customer data exit. |
| Map Name Suffix | Optional | The map name suffix gives a unique identifier for each map name in an application. Valid values are 'A' through 'Z' and 0 through 9. If a map name suffix is not entered, the system defaults to 'M'. For example, if the map suffix is 'A', then the map name for transaction SA05 will be AISA05A. |
| Max Priority | Required | Maximum priority a document can achieve during the normal aging process. Also serves as the minimum allowable priority when a document is assigned 'maximum' priority status. |
| Collection Name | Required | Default 44 character collection name used if a collection name is not entered for a form in the <i>AIS+ Form Profile</i> function. |

Function Keys

| | |
|------|--|
| PF3 | Cancels the creation process and returns to a blank screen in native CICS. |
| PF5 | Upon completion of entries pressing the <PF5> will add the application to the application profile table (AISAPPL). |
| PF12 | Cancels the creation process and initializes the screen. |

CICS User Exits

AIS+ provides user exits to allow for the customizing of information and decision making during the execution of the online transactions. There are eight (8) exits supplied with AIS+ and they are:

- Customer Data, (AIEX001P)
- Event Format, (AIEX013P)
- Routing Data, (AIEX003P)
- Security Control, (AIEX005P)
- Storage Management, (AIEX004P)
- Validate Data, (AIEX002P)
- Document Prefetch, (AIEX015P)
- Field Edit, (AIEX016P)
- Object Delete, (AIEX017P)
- Operator Administration, (AIEX018P)

Sample COBOL II exits are provided with the software release in the form of stubs. The stub will represent a base skeletal program that you can enhance to meet your user's processing requirements. When enhancing the exit, the following guidelines should be followed:

Always use the AIS+ supplied exit copybooks to ensure compatibility with the AIS+ software.

Include the exit's database resource module (DBRM) in the plan associated with the online AIS+ transaction if you will be issuing DB2 calls within the exit. Caution: if you include syncpoint commits in your exit when updating a database table and the AIS+ transaction is aborted by the user, AIS+ will not roll back your commit.

Use standard CICS translation and compilation procedures to ensure a smooth communication link between the AIS+ program and the exit.

Do not include terminal processing within the exit as the AIS+ program handles all of the input and output operations, along with respective error handling.

The exit stubs may be copied to new members to support more than one application. Please see Appendix H in the [Getting Started Manual](#) for information on naming standards for the exit.

AIS+ Customer Data Exit

Introduction

The *AIS+ Customer Data Exit* is used to modify folder, document, and workflow information based upon customer specific requirements. The exit can also control automatic generation of new folders.

Note: The format of the *AIS+ Customer Data Exit* copybook has been modified in AIS+ EE 1.0 to give users more flexibility in accessing data from subsequent exit calls. Therefore, you must be sure to compile your customized exit with the EE version of the copybook.

Access

The supplied sample exit (AIEX001P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the data areas as needed.

```
EXEC CICS
  LINK PROGRAM      (AIEX001P)
  COMMAREA (data area)
END-EXEC.
```

Program Processing Logic

The exit has six (6) different options that range from 0 to 5. The option will determine the information passed to the exit, the type of process to be performed, and the information to be passed back to the calling program.

| Option Code | Description |
|-------------|--|
| 0 | Determines whether the folder can be accessed. This option also permits the modification of the folder ID. Customer related information can be displayed on the third line of the function's screen. |
| 1 | Customer related information can be displayed on the third line of the function's screen. This option also permits the modification/creation of the user parameter fields 1 and 2 used in routing. Note: The user parameters (1 and 2) are required fields when routing functions access the AIS+ RLOB/Tran Type (AISRLTT) and AIS+ Unit Code (AISUNRC) tables. If your Customer Exit does not provide values, then parameter 1 will be set to zero and parameter 2 will be set to spaces. |
| 2 | Permits the modification or addition of folder information when creating new folders. |
| 3 | Permits the modification or addition of document information when indexing new documents. |
| 4 | Permits the modification or addition of document information when indexing and routing new documents. |
| 5 | This option determines whether a folder can be automatically generated when indexing documents. For new folders, all folder information will be passed back to the calling program. |

The installation of an AIS+ application requires profiles to be established for forms and folders prior to their being used by the application. Routing information can also be established for workflow used by the application. The profiles represent a base default for respective items. The *AIS+ Customer Data Exit* can be used to further customize information beyond the default profile information. The information that will be returned from the exit will depend on the option passed.

Each data field which may be changed has an associated modification flag field. When the flag contains a one (1), the calling program recognizes that the data field has been changed and handles it accordingly.

The exit will also return a code value indicating what the calling program should do upon receiving control back from the exit.

| Return Code | Process |
|--------------------|--|
| 00 | Proceed as normal as no changes were made. |
| 01 | Proceed as normal, but use fields that have been modified. |
| 02 | Do not route the current document, yet retain all routing values on the screen to be used for the next document. (* Currently only Index and Scan (DC06) will respond to this value *) |
| 04 | A Warning message was returned from the exit. The calling program will display the Warning message, assuming no errors exist, and continue processing normally. Any changes made in the exit will also be applied. |
| 12 | Stop processing function as an error has been encountered. The message code to be used in the display is contained in the exit's message code field. |

Parameter List Structure

The table below defines the fields (format and usage) used by the various *AIS+ Customer Data Exit* option codes. The layout of this structure is contained in the COBOL copybook AILCSDTA.

The exit must set the parameter's flag to one (1) if the value in the parameter is changed and is to be used by the calling program.

If the exit is called multiple times within a program, data from previous calls may be available. However, the integrity of the data depends on the order of the calls and whether the data may have been overlaid.

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------------|-----------------|--------------|-----|---|
| Application ID | 0,1,2,3, 4,5 | Bin (2) | I | The application ID code identifies the application from which the exit is being called. |
| Create Date | 2,5 | Char (10) | I/O | The create date field contains the creation date of the folder. |
| Create Date Flag | 2,5 | Char (1) | O | The create date flag can have two values. 0-Create date field 1-Create date field changed. |
| Date Format | 1,2 | Char (1) | I | The date format field contains the format used in the language specified for the application. The values are as follows: 1 - mm/dd/yyyy 2 - dd/mm/yyyy 3 - dd.mm.yyyy 4 - yyyy-mm-dd 5 - dd-mm-yyyy 6 - dd mm yyyy. |
| Document Date Received | 3,4 | Char (10) | I/O | The document date received field contains the date when a document was added to the application. |
| Document Date Received Flag | 3,4 | Char (1) | O | The document date received flag can have two values: 0 - Document date received field unchanged 1 - Document date received field changed |
| Document Description | 3,4 | Char (60) | I/O | The document description field contains the description given to a document. |
| Document Description Flag | 3,4 | Char (1) | O | The document description flag can have two values: 0 - Document description field unchanged 1 - Document description field changed |
| Document Description Length | 3,4 | Bin (2) | I | The document description length field contains the length of the document description. |

| Parameter Name | Option Code | Format | I/O | Description |
|---------------------------------|-----------------|--------------|-----|---|
| Document Security Class | 3,4 | Char (2) | I/O | The document security class field contains the security class assigned to the document. |
| Document Security Class Flag | 3,4 | Char (1) | O | The document security class flag can have two values: 0 - Document security class field unchanged 1 - Document security class field changed |
| File Tab | 3,4 | Char (16) | I/O | The file tab contains the name of the file tab in the folder under which the document is stored. |
| File Tab Flag | 3,4 | Char (1) | O | The file tab flag can have two values: 0 - File tab field unchanged 1 - File tab field changed |
| Folder Description | 2,5 | Char (60) | I/O | The folder description length field contains the descriptive text given to the folder. |
| Folder Description Length | 2,5 | Bin (2) | I/O | The folder description length field contains the actual length of the folder description. |
| Folder ID | 0,1,2,3, 4,5 | Char (26) | I/O | The folder ID field contains the unique identifier of the folder in the application. |
| Folder ID Flag | 0,1,2,3, 4,5 | Char (1) | O | The folder ID flag can have two values: 0 - Folder ID field unchanged 1 - Folder ID field changed |
| Folder ID Length | 0,1,2,3, 4,5 | Bin (2) | I/O | The folder ID length field contains the actual length of the folder ID. |
| Folder Secondary Index 1 | 2,5 | Char (40) | I/O | The folder secondary index 1 field contains the value that groups folders within an application. |
| Folder Secondary Index 1 Flag | 2,5 | Char (1) | O | The folder secondary index 1 flag can have two values: 0 - Folder secondary index 1 field unchanged 1 - Folder secondary index 1 field changed Note: If the secondary index is not defined for the application, the IBM Folder Application Facility ignores the changed folder secondary index value. |
| Folder Secondary Index 1 Length | 2,5 | Bin (2) | I/O | The folder secondary index 1 length field contains the actual length of folder secondary index 1. |
| Folder Secondary Index 2 | 2,5 | Char (40) | I/O | The folder secondary index 2 field contains the value that groups folders within an application. |

| Parameter Name | Option Code | Format | I/O | Description |
|---------------------------------|---------------|--------------|-----|--|
| Folder Secondary Index 2 Flag | 2,5 | Char (1) | O | The folder secondary index 2 flag can have two values: 0 - Folder secondary index 2 field unchanged 1 - Folder secondary index 2 field changed |
| Folder Secondary Index 2 Length | 2,5 | Bin (2) | I/O | The folder secondary index 2 field length contains the actual length of folder secondary index 2. |
| Folder Secondary Index 3 | 2,5 | Char (40) | I/O | The folder secondary index 3 field contains the value that groups folders within an application. |
| Folder Secondary Index 3 Flag | 2,5 | Char (1) | O | The folder secondary index 3 flag can have two values: 0 - Folder secondary index 3 field unchanged 1 - Folder secondary index 3 field changed |
| Folder Secondary Index 3 Length | 2,5 | Bin (2) | I/O | The folder secondary index 3 length field contains the actual length of folder secondary index 3. |
| Folder Security Class | 2,5 | Char (2) | I/O | The folder security class field contains the security class assigned to the folder. |
| Folder Security Class Flag | 2,5 | Char (1) | O | The folder security class flag can have two values: 0 - Folder security class field unchanged 1 - Folder security class field changed |
| Folder Type | 2,3,4,5 | Char (8) | I/O | The folder type field contains the value used for classifying folders. |
| Folder Type Flag | 2,3,4,5 | Char (1) | O | The folder type flag can have two values: 0 - Folder type field unchanged 1 - Folder type field changed |
| Form Number | 3,4 | Char (16) | I/O | The form number field contains a code that identifies the type of document. |
| Form Number Flag | 3,4 | Char (1) | O | The form number flag can have two values: 0 - Form number field unchanged 1 - Form number field changed |
| Function Code | 1,2,3, 4,5 | Char (2) | I | The function code field specifies the AIS+ function that called the exit. |
| Hold Date | 4 | Char (10) | I/O | The hold date field contains the date until which a routed document is on hold. |
| Hold Date Flag | 4 | Char (1) | O | The hold date flag can have two values: 0 - Hold date field unchanged 1 - Hold date field changed |

| Parameter Name | Option Code | Format | I/O | Description |
|----------------------------------|--------------------|---------------|------------|--|
| Hold Time | 4 | Char (8) | I/O | The hold time field contains the time on the hold date until which the document is on hold. |
| Hold Time Flag | 4 | Char (1) | O | The hold time flag can have two values: 0 - Hold time field unchanged 1 - Hold time field changed |
| IODM ID | n/a | Char (4) | I | The IODM ID field is currently not being used. |
| Language ID | 1,2,3,4,5 | Char (3) | I | The language ID field contains the identifier of the language used to communicate with the user. |
| Line 3 Data | 0,1 | Char (78) | O | The line 3 data field contains the customer-related information to be displayed on the screen's third line of the calling program. |
| Override Max Priority | 4 | Bin (3) | I/O | The override max priority field contains the value used to set the priority of a routed document. If this value is set in the exit, the priority indicator is ignored. |
| Override Max priority Flag | 4 | Char (1) | O | The override max priority flag can have two values: 0 - Override max priority field unchanged 1 - Override max priority field changed |
| Message Code | 0,1,2,3, 4,5 | Char (8) | O | The message code field contains the message code generated by the user exit when the return code is 12. |
| Option Code | 0,1,2,3, 4,5 | Char (1) | I | The option code is set to a value from 0 to 5. The AIS+ calling program tells the exit what to do based on the value of the option code. |
| Override Priority Indicator | 4 | Char (1) | I/O | The override priority indicator field contains the value used to set the priority of a routed document. The values are: 0 - Normal 1 - Low 2 - Medium 3 - High |
| Override Priority Indicator Flag | 4 | Char (1) | O | The override priority indicator flag can have two values: 0 - Override priority indicator field unchanged 1 - Override priority indicator field changed |

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------|--------------------|---------------|------------|---|
| Paper Kept | 3,4 | Char (1) | O | The paper kept field indicates whether the physical copy of the document should be kept after the document is stored in the application. |
| Paper Kept Flag | 3,4 | Char (1) | O | The paper kept flag can have two values: 0 - Paper kept field unchanged 1 - Paper kept field changed |
| Return Code | 0,1,2,3, 4,5 | Num (2) | O | The return code must be set to one of the following values that controls the subsequent processing: 00 - Continue processing 01 - Continue processing. Use the values updated by the exit. 12 - Stop processing this function and display a message. |
| RLOB | 4 | Char (6) | I/O | The RLOB field specifies the routing line-of-business used to generate the routing destination for the document. |
| RLOB Flag | 4 | Char (1) | O | The RLOB flag can have two values: 0 - RLOB field unchanged 1 - RLOB field changed |
| Route Code | 4 | Char (6) | I/O | The route code field contains the route code value which, along with the unit code value, determines in which routing queue the document is placed . |
| Route Code Flag | 4 | Char (1) | O | The route code flag can have two values: 0 - Route code field unchanged 1 - Route code field changed |
| Routing Decision | 4 | Char (1) | I/O | The routing decision field indicates whether to add the document or add and route the document. The routing decision indicators are: 0 - Add the document to the folder 1 - Add and route the document to the folder |
| Routing Decision Flag | 4 | Char (1) | O | The routing decision flag field can have two values: 0 - Routing decision field unchanged 1 - Routing decision field changed |
| Supervisory Authority | 1,2,3,4,5 | Char (1) | I | The supervisory authority field indicates whether the user can perform supervisory functions. The supervisory authority indicators are: N - Cannot perform supervisory functions Y - Can perform supervisory functions |

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------|-------------|--------------|-----|---|
| Time Format | 1,2,3,4,5 | Char (1) | I | <p>The time format field contains the format used in the language specified for the application. The values are as follows:</p> <p>1 - 12-hour format (hh:mm xx) 2 - 24-hour format (hh:mm)</p> <p>For 12-hour time, a number from 01 to 12 specifies the hour (hh), 00 to 59 specifies the minutes (mm), and AM specifies a.m. or PM specifies p.m. (xx) The colon (:) and space () are required.</p> <p>For 24-hour time, a number from 00 to 23 specifies the hour (hh) and 00 to 59 specifies the minutes (mm). The colon (:) and three spaces () are required.</p> <p>For example, to specify 10:30 in the evening, the time parameter value is:</p> <p>10:30 PM for 12-hour time 22:30 for 24-hour time.</p> |
| Transaction Type | 4 | Char (6) | I/O | The transaction type field contains a classification of the document indicating the type of work that must be performed on the document. |
| Transaction Type Flag | 4 | Char (1) | O | <p>The transaction type flag can have two values:</p> <p>0 - Transaction type field unchanged 1 - Transaction type field changed</p> |
| Unit Code | 4 | Bin (4) | I/O | The unit code field contains the unit code value which, along with the route code value, determines which queue the document is routed to for processing. |
| Unit Code Flag | 4 | Char (1) | O | <p>The unit code flag can have two values:</p> <p>0 - Unit code field unchanged 1 - Unit code field changed</p> |
| User Date | 3,4 | Char (10) | I/O | The user date field contains a user-defined date associated with a document. |
| User Date Flag | 3,4 | Char (1) | O | <p>The user date flag can have two values:</p> <p>0 - User date field unchanged 1 - User date field changed</p> |
| User Exit Area | 3,4 | Char (20) | O | This value may optionally be changed within the exit. The modified value will then be passed internally to the Storage Management Exit. This only applies to programs that call both the Customer Data Exit and the Storage Management Exit. |
| User Exit Data | 0,2,5 | Char (20) | O | This value may optionally be changed within the exit. The modified value will then be used in the creation and/or modification of both documents and folders. |

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------|--------------------|---------------|------------|--|
| User ID | 1,2,3,4,5 | Char (8) | I | The user ID field contains the ID that identifies the user to the AIS+ application. |
| User Parameter 1 | 1,2,3,4,5 | Char (4) | I/O | The user parameter 1 field contains a user defined parameter used in routing. The user parameter 1 field is updated when the function code passed is "51" (Add and route a document) or "57" (Route a document). |
| User Parameter 1 Flag | 1,2,3,4,5 | Char (1) | O | The user Parameter 1 flag can have two values: 0 - User Parameter 1 field unchanged. Default to spaces. 1 - User Parameter 1 field changed. |
| User Parameter 2 | 1,2,3,4,5 | Bin (4) | I/O | The user parameter 2 field contains a user defined parameter used in routing. The user parameter 2 field is updated when the function code passed is "51" (Add and route a document) or "57" (Route a document) |
| User Parameter 2 Flag | 1,2,3,4,5 | Char (1) | O | The user parameter 2 flag can have two values: 0 - User Parameter 2 field unchanged. Default it to zeroes. 1 - User Parameter 2 field changed. |
| User Security Class | 1,2,3,4,5 | Char (2) | I | The user security class field contains the security class value assigned to the user. |

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Customer Data Exit*. In addition, the table shows the options within the exit that can be utilized by the associated AIS+ function.

Note: The format of the *AIS+ Customer Data Exit* copybook has been modified in AIS+ EE 1.0 to give users more flexibility in accessing data from subsequent exit calls. If the exit is called multiple times within a program, data from previous calls may be available. However, the integrity of the data depends on the order of the calls and whether the data may have been overlaid.

| AIS+ Function | Option Code | Purpose |
|-------------------------|--------------------|---|
| FD01 Folder Addition | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be created. |
| | 2 | Permits the modification or addition of folder information when creating new folders. |
| FD04 Folder Tab List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. |
| | 1 | Provides customer-related information for display on the second line of the Folder Tab List screen. |
| FD05 Folder Delete | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be deleted. |
| | 1 | Provides customer-related information for display on the second line of the Folder Delete screen. |
| FD06 Folder Update | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. |
| | 1 | Provides customer-related information for display on the second line of the Folder Update screen. |
| NT01 Note List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. |
| | 1 | Provides customer-related information for display on the second line of the Note List screen. |
| NT03 Note Addition | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. |
| | 1 | Provides customer-related information for display on the second line of the Note Addition screen. |
| DC01 Document List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. |
| | 1 | Provides customer-related information for display on the second line of the Document List screen. Exit will also obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |

| AIS+ Function | Option Code | Purpose |
|---|--------------------|--|
| DC02 Document Copy/Move | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. |
| | 2 | The exit can change folder information if AIS+ is directed to create a folder. |
| DC04 Document History | 1 | Provides customer-related information for display on the second line of the Document History screen. |
| DC05 Document Modify | 1 | Provides customer-related information for display on the second line of the Document Modify screen. |
| DC05 Document Modify (Route Document) | 1 | Provides the customer-related information for display on the second line of the Document Modify screen. When rerouting a document, this user exit is called to obtain user parameter 1 and user parameter 2 data which determines the unit code and route code. |
| DC06 Document Index and Scan (Route Document) | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. |
| | 1 | Provides the customer-related information for display on the second line of the Document Index and Scan screen. When routing a document this user exit will also be called to obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| DC06 Document Index and Scan (Document Stored but not routed) | 3 | Modifies any of the information for the document that is to be added. |
| DC06 Document Index and Scan (Document Stored and Routed) | 4 | Changes the document and routing information. |
| DC06 Document Index and Scan | 5 | This exit will direct AIS+ to create a folder if one does not exist. |
| DC08 Scan Pending Display | 1 | Provides customer-related information for display on the second line of the Scan Pending Display screen. |
| WM01 Work With Queued Items | 1 | Provides the customer-related information for display on the second line of the Work With Queued Items Screen. When rerouting a document this user exit is called to obtain user parameter 1 and user parameter 2 data to determine the unit code and route code. |
| WM02 Queue Information | 0 | If a folder ID is entered, the exit will accept or reject access to the folder ID. Also optionally, the exit modifies the folder ID of the folder to be displayed. |

AIS+ Event Format Exit

Introduction

The *AIS+ Event Format Exit* is responsible for formatting an event's log entry that can be reviewed using the *AIS+ Document History* function.

An event log entry represents four (4) lines with each line having a maximum of sixty (60) characters to display. The first line represents the first 59 characters of the event description and the other three lines represent the event data (the first 180 characters). The exit can build and can send the full 253 characters for both data elements - description and data, but the log will only display as described above.

Access

The exit will only be called for a given event when the event's to-be-logged flag is turned on. The flags are contained in the AIS+ Application Profile table (AISAPPL) and are administered through the use of the *AIS+ Application Profile (2) Administration* function.

The supplied sample exit (AIEX013P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the event's description and data areas as needed.

```
EXEC CICS
      LINK PROGRAM (AIEX013P)
      COMMAREA (data area)
END-EXEC.
```

Default Supplied Formats

The default event log formats are shown in the following table:

| Event Code | Function | Default Display |
|------------|-------------|--|
| 1 | Store | DOCUMENT SCANNED & STORED FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx SCANNER: xxxxxxx |
| 2 | Store/Route | DOCUMENT SCANNED, STORED, & ROUTED. SCANNER: xxxxxxxxxxx FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx RTCODE: xxxxxx RTUNIT: xxxx RTLOB: xxxxxx TRANTYPE: xxxxxx HOLD DATE: xxxxxxxxxxxx HOLD TIME: xxxxxxxxxxxx USERID: xxxxxxxx |
| 3 | Move | MOVE DOCUMENT FROM: xxxxxxxxxxxxxxxxxxxxxxxxxxxx TO: xxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| 4 | Copy | COPY DOCUMENT FROM: xxxxxxxxxxxxxxxxxxxxxxxxxxxx TO: xxxxxxxxxxxxxxxxxxxxxxxxxxxx |

| Event Code | Function | Default Display |
|------------|------------|---|
| 5 | Index | DEFINE DOCUMENT user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 6 | Reassigned | DOCUMENT REASSIGNED TO: xxxxxxxx |
| 7 | Unassigned | DOCUMENT UNASSIGNED |
| 8 | Route | ROUTED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx OPERID: xxxxxxxx RLOB: xxxxxx TRANTYPE: xxxxxx RCODE: xxxxxx RUNIT: xxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 9 | Hold | HELD - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx OPERID: xxxxxxxx DATE: xxxxxx TIME: xxxx RCODE: xxxxxx RUNIT: xxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 10 | Drop | DOCUMENT FILED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx RLOB: xxxxxx TRANTYPE: xxxxxx RCODE: xxxxxx RUNIT: xxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 11 | In Process | DOCUMENT ASSIGNED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx |

| Event Code | Function | Default Display |
|------------|---------------------------|---|
| 12 | Returned | DOCUMENT RETURNED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 13 | Delete | DOCUMENT DELETED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx xx xx |
| 14 | Undelete | DOCUMENT UNDELETED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx xx xx |
| 15 | Merge | DOCUMENT MERGED - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx DESTINATION OBJTKN: xxxxxxxxxxxxxxxxxxxxxxxxxxxx - xxxx ORIGINAL OBJTKN: xxxxxxxxxxxxxxxxxxxxxxxxxxxx - xxxx |
| 16 | Move Pages | xx PAGES MOVED FROM FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx TO FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 17 | Modify Object Description | MODIFY OBJECT DESCRIPTION FROM: xx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |

| Event Code | Function | Default Display |
|------------|------------------------------|---|
| 18 | Modify Object Form Name | MODIFY FORM NAME FROM: xxxxxxxxxxxxxxxx TO: xxxxxxxxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 19 | Modify Object Receive Date | MODIFY DATE RECEIVED OLD RECVDATE: xxxxxxxxxx NEW RECVDATE: xxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 20 | Modify Object Security Class | MODIFY SECURITY CLASS OLD SECURITY CLASS: xx NEW SECURITY CLASS: xx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 21 | Modify Object Priority | PRIORITY CHANGED FROM: xxx TO: xxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |

| Event Code | Function | Default Display |
|------------|----------------------------------|---|
| 22 | Modify Object Expiration Date | EXPIRATION DATE CHANGED FROM: xxxxxxxxxxx TO: xxxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 23 | Replace Pages | PAGES REPLACED user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 24 | Reorder Pages | PAGES REORDERED user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 25 | Insert Pages | PAGES INSERTED user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |

| Event Code | Function | Default Display |
|------------|------------------------|--|
| 26 | Delete Pages | PAGES DELETED user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 27 | Not In Use | |
| 28 | Print | DOCUMENT PRINTED OPERID: xxxxxxxx WORKSTATION ID: xxxxxxxx PRINTER ID: xxxxxxxx |
| 29 | View | DOCUMENT VIEWED OPERID: xxxxxxxx WORKSTATION ID: xxxxxxxx |
| 30 | Offhold | OFFHOLD - FOLDID: xxxxxxxxxxxxxxxxxxxxxxxxxxxx OPERID: xxxxxxxx |
| 31 | Comments | ADDITIONAL COMMENTS user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |
| 32 | Modify Object Tab Name | MODIFY TAB NAME FROM: xxxxxxxxxxxxxxxx TO: xxxxxxxxxxxxxxxx user comment line 1 user comment line 2 user comment line 3 user comment line 4 user comment line 5 user comment line 6 |

Parameter List Structure

The supplied default formats are only a recommendation. You can create your own format for an event's log with the information supplied by AIS+ (through the supplied AISW013 COBOL II copybook). All events will not carry the same information; therefore, you will be limited to what you can build by the information supplied for a given event.

The only requirement the exit must satisfy is that the event description and the event data must contain data when returning back to the calling AIS+ function.

Program Processing Logic

The event's to-be-logged flag is first checked to determine if the exit will be called. The flags are contained in the AIS+ Application Profile table (AISAPPL) and are administered through the use of the *AIS+ Application Profile (2) Administration* function. If the flag is set to N, the exit will not be called and the event not logged. If the flag is set to Y, then the exit will be called and an event will be logged if information is passed back from the Exit.

The process does not use return codes or status switches to indicate a successful return. Instead, the calling program will check for non-zero lengths in the length fields (data and description) to determine if the IBM FAF API process for adding an event (ADDEVENT) will be executed.

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Event Format Exit*. In addition, the table shows the events that can be logged for each program.

| Program | Event |
|----------|--|
| AIDC001P | 08 - Route Document 09 - Route and Hold Document 15 - Merge Document 28 - Print Document 29 - View Document |
| AIDC002P | 03 - Move Document 04 - Copy Document |
| AIDC003P | 13 - Logical Delete 14 - Logical Un-delete |
| AIDC005P | 08 - Route Document 09 - Pend/Hold Document 16 - Move Pages 17 - Modify Description 18 - Modify Form Name 19 - Modify Receive Date 20 - Modify Security Class 21 - Modify Priority 22 - Modify Expiration Date 23 - Replace Pages 24 - Reorder Pages 25 - Insert Pages 26 - Delete Pages 30 - Take Document off Hold/Pend 31 - Additional Comments 32 - Modify Tab Name |
| AIDC006P | 05 - Index Document |
| AIWM001P | 08 - Route Document 09 - Pend/Hold Document 10 - Drop Document 11 - In Process Document 12 - Return Document 28 - Print Document 29 - View Document |
| AIWM002P | 06 - Reassign Document 07 - Unassign Document 09 - Pend/Hold Document 29 - View Document 30 - Take Document off Hold/Pend |
| AIRT001P | 01 - Document Scanned & Stored 02 - Document Scanned, Stored, & Routed 30 - Take Document off Hold/Pend |

AIS+ Routing Data Exit

Introduction

The *AIS+ Routing Data Exit* is used to modify routing requirements for a document prior to being scanned or during a re-route function.

Access

The supplied sample exit (AIEX003P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the data areas as needed.

```
EXEC CICS
      LINK PROGRAM      (AIEX003P)
      COMMAREA (data area)
END-EXEC.
```

Program Processing Logic

The installation of an AIS+ application requires profiles to be established for forms prior to their being used by the application. Part of the profile includes routing information for when the document initially enters the system. The AIS+ Routing Data Exit can be used to further customize information beyond the default profile information. The exit can also be used to modify the path a document will follow during a re-route function.

Each returned data field has an associated modification flag field. When the flag contains a one (1), the calling program recognizes that the information in the data field has been changed and needs to be processed.

The exit will also return a code value indicating what the calling program should do upon returning control back to the calling program.

| Return Code | Process |
|-------------|--|
| 00 | Proceed as normal as no changes were made. |
| 01 | Proceed as normal, but use fields that have been modified. |
| 12 | Stop processing function as an error has been encountered. The message code to be used in the display is contained in the exit's message code field. |

Parameter List Structure

The table below defines the fields (format and usage) used by the various *AIS+ Routing Data Exit* option codes. The parameter list layout is contained in the COBOL copybook AILROUTE.

The exit must set the parameter's flag to one (1) if the value in the parameter is changed and is to be used by the calling program.

| Parameter Name | Format | I/O | Description |
|-------------------------|--------------|-----|--|
| Aging Date | Char (10) | I/O | The aging date is used to calculate the priority of a document. |
| Aging Date Flag | Char (1) | O | The aging date flag can have two values: 0 - Aging date field unchanged 1 - Aging date field changed |
| Application ID Code | Bin (2) | I | The application ID code field identifies the application from which the exit is being called. |
| Assigned User ID | Char (8) | I/O | The assigned user ID field contains the user ID of the employee assigned to process the document. |
| Assigned User ID Flag | Char (1) | O | The assigned user ID flag can have two values: 0 - User ID field unchanged 1 - User ID field changed |
| Date Format | Char (1) | I | The date format field contains the format used in the language specified for the application. The values are as follows: 1 - mm/dd/yyyy 2 - dd/mm/yyyy 3 - dd.mm.yyyy 4 - yyyy-mm-dd 5 - dd-mm-yyyy 6 - dd mm yyyy |
| Document Date Received | Char (10) | I | The document date received contains the date when the document was added to the AIS+ system. |
| Document Security Class | Char (2) | I | The document security class field contains the security class assigned to the document. |
| Expiration Date | Char (10) | I/O | The expiration date field contains the last date that the document must be processed. |
| Expiration Date Flag | Char (1) | O | The expiration date flag can have two values: 0 - Date field unchanged 1 - Date field changed |
| File Tab | Char | I | The file tab field contains the name of the file tab for which the |

| Parameter Name | Format | I/O | Description |
|-----------------------------|--------------|-----|--|
| | (16) | | document is stored. |
| Folder ID | Char (26) | I | The folder ID field contains the unique identifier of the folder in the application. |
| Folder ID Length | Bin (2) | I | The folder ID length contains the actual length of the folder ID. |
| Form Number | Char (16) | I | The form number field contains a code that identifies the type of document. |
| Function Code | Char (2) | I | The function code field specifies the function that called the exit. |
| Hold Date | Char (10) | I/O | The hold date field contains a date until which a routed document is on hold. |
| Hold Date Flag | Char (1) | O | The hold date flag can have two values: 0 - Hold Date field unchanged 1 - Hold Date field changed |
| Hold Time | Char (8) | I/O | The hold time field contains the time of the hold date until which a routed document is on hold. |
| Hold Time Flag | Char (1) | O | The hold time flag can have two values: 0 - Hold Time field unchanged 1 - Hold Time field changed |
| Language ID | Char (3) | I | The language ID field is not used in current versions of AIS+. |
| Message Code | Char (8) | O | The message code field contains the message code generated by the user exit when the return code is 12. |
| Number of Documents | Num (1) | I | The number of documents field shows the number of documents for which the exit is going to provide routing information. |
| Override Priority Indicator | Char (1) | I | The override priority indicator flag can have two values: 0 - Override priority indicator field unchanged 1 - Override priority indicator field changed |
| Priority | Bin (2) | I/O | The priority field contains a value from 0 to 999 . A document is selected for processing depending on the priority value. |
| Priority Flag | Char (1) | O | The priority flag can have two values: 0 - Override priority unchanged 1 - Override priority field changed |
| Return Code | Num (2) | O | The return code must be set to one of the following values that controls subsequent processing: 00 - Continue processing 01 - Continue processing. Use the values updated by the |

| Parameter Name | Format | I/O | Description |
|-----------------------|--------------|-----|---|
| | | | <p>exit.</p> <p>12 - Stop processing this function and display a message.</p> |
| RLOB | Char (6) | I/O | The RLOB field specifies the routing line of business used to generate the routing destination for a document. |
| RLOB Flag | Char (1) | O | <p>The RLOB flag can have two values:</p> <p>0 - RLOB unchanged</p> <p>1 - RLOB changed</p> |
| Route Code | Char (6) | I/O | The route code field contains the route code value. This field, along with the unit code value, determines in which routing queue the document is placed. |
| Route Code Flag | Char (1) | O | <p>The route code flag can have two values:</p> <p>0 - Route code unchanged</p> <p>1 - Route code changed</p> |
| Supervisory Authority | Char (1) | I | The supervisory authority is currently not being used. |
| Time Format | Char (1) | I | <p>The time format field contains the format used in the language specified for the application. The values are as follows:</p> <p>1 - 12-hour format (hh:mm xx)</p> <p>2 - 24-hour format (hh:mm)</p> <p>For 12 hour time, a number from 01 to 12 specifies the hour (hh), 00 to 59 specifies the minutes (mm), and AM specifies a.m. or PM specifies p.m. (xx) The colon (:) and three spaces () are required.</p> <p>For example, to specify 10:30 in the evening, the time parameter value is:</p> <p>10:30 PM for 12-hour time</p> <p>22:30 for 24-hour time.</p> |
| Transaction Type | Char (6) | I/O | The transaction type field contains a classification of the document indicating the type of work that must be performed on the document. |
| Transaction Type Flag | Char (1) | O | <p>The transaction type flag can have two values:</p> <p>0 - Transaction type unchanged</p> <p>1 - Transaction type changed</p> |
| Unit Code | Bin (4) | I/O | The unit code field contains the unit code value. This field, along with the route code value, determines which queue the document is routed to for processing. |
| Unit Code Flag | Char (1) | O | <p>The Unit Code flag can have two values:</p> <p>0 - Unit code unchanged</p> <p>1 - Unit code changed</p> |
| User Exit Area | Char (20) | I/O | The user exit area field contains the data passed from one user exit to the next. |

| Parameter Name | Format | I/O | Description |
|-----------------------|---------------|------------|--|
| User ID | Char (8) | I | The user ID field contains the sign-on ID of the person performing the function. |
| User Parameter 1 | Char (4) | I/O | The user parameter 1 field contains a user-defined parameter. |
| User Parameter 1 Flag | Char (1) | O | The user parameter 1 flag can have two values: 0 - Parameter 1 unchanged 1 - Parameter 1 changed |
| User Parameter 2 | Bin (4) | I/O | The user parameter 2 field contains a user-defined parameter. |
| User Parameter 2 Flag | Char (1) | O | The User Parameter 2 flag can have two values: 0 - Parameter 2 unchanged 1 - Parameter 2 changed |
| User Security Class | Char (2) | I | The user security class field contains the security class assigned to the user. |

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Routing Data Exit*. In addition, the table shows the options within the exit that can be utilized by the associated AIS+ function.

| AIS+ Function | Purpose |
|--|--|
| DC01 Document List (Reroute a Document) | Changes the routing information of a document before placing the document in the routing queue. |
| DC01 Document List (Send Work) | Changes the routing information of a document before placing the document in the routing queue. |
| DC05 Document Modify (Route Document) | Changes the routing information of a document before placing the document in the routing queue. |
| DC06/RT01 Document Index & Scan | Changes any of the routing information before placing the document in the routing queue. AIS+ calls the routing data exit after the document is indexed. |
| WM01 Work With Queued Items (Reroute Document) | Changes the routing information of a document before placing the document in the routing queue. |

AIS+ Security Control Exit

Introduction

The *AIS+ Security Control Exit* is used to further validate an operator's sign-on beyond the AIS+ Operator Profile defaults.

Access

The supplied sample exit (AIEX005P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the data areas as needed.

```
EXEC CICS
      LINK PROGRAM      (AIEX005P)
      COMMAREA  (data area)
END-EXEC.
```

Program Processing Logic

The exit will return a code value indicating what the calling program should do upon returning control back to the calling program.

| Return Code | Process |
|-------------|--|
| 00 | Proceed as normal as no errors were encountered. |
| 01 | Proceed as normal, but use fields that have been modified |
| 12 | Stop processing function as an error has been encountered. The message code to be used in the display is contained in the exit's message code field. |

Parameter List Structure

The table below defines the fields (format and usage) used by the *AIS+ Security Control Exit*. The actual parameters for the are contained in the COBOL copybook AILSCRTY.

Note: The Security Control Exit is called when signing on to AIS+ and also when signing off from AIS+. When signing on to AIS+, the security control exit is called with function code '00' or '01' (upon initial execution of the program if the Operator ID is provided, the exit is called with function code '00', otherwise it is called with function code '01'), and when signing off from AIS+, the security control exit is called with function code '02'. AIS+ allows you to modify the operator ID, password, menu flag, application ID and the workstation ID only when the security control exit is called with function codes '00' and '01'. The Error flags and the change flags apply to function codes '00' and '01' only.

| Parameter Name | Format | I/O | Function Code | Description |
|------------------------------|-------------|-----|---------------|--|
| Function Code | Char (2) | I | 00, 01, 02 | The function code field specifies the function that called the exit. 01 - Sign-on 02 - Sign-off |
| Return Code (RETURN-CODE) | Num (4) | I | 00, 01 | The return code must be set to one of the following values that controls the subsequent processing: 00 - Continue processing 01 - Continue processing, but use fields that have been modified 12 - Stop processing this function and display a message. |
| Message Code | Char (8) | O | 00, 01, 02 | The message code field contains the message code generated by the user exit when the return code is 12. |
| Operator ID | Char (8) | I/O | 00, 01, 02 | The operator ID of the person logging on to AIS+. Input only for function code '02' |
| Operator Change Flag | Char (1) | O | 00, 01 | The operator Change flag can have two values: 0 - The Operator ID field unchanged 1 - The Operator ID field changed When the change flag is set to '1', the new operator ID is displayed on the sign-on screen. This only applies to function codes '00' and '01'. |
| Operator Error Flag | Char (1) | O | 00, 01 | The operator Error flag can have two values: 0 - The Operator ID field has no error 1 - The Operator ID field has an error When the error flag is set to '1', the operator ID field will be highlighted and the cursor will be placed on that field. This only applies to function codes '00' and '01'. |
| Password | Char | I/O | 00, 01, 02 | The operator password of the person logging on to AIS+. |

| Parameter Name | Format | I/O | Function Code | Description |
|----------------------------|-------------|-----|---------------|---|
| | (8) | | | Input only for function code '02'. |
| Password Change Flag | Char (1) | O | 00, 01 | The password change flag can have two values: 0 - The password field unchanged 1 - The password field changed When the change flag is set to '1', the new password value is used to search the AIS+ operator profile table. |
| Password Error Flag | Char | O | 00, 01 | The password error flag can have two values: 0 - The password field has no error 1 - The password field has an error When the error flag is set to '1', the cursor is placed on the password field. |
| Application ID | Char (2) | I/O | 00, 01, 02 | The application ID field contains the code identifying the application from which the exit is being called. Input only for function code '02'. |
| Application ID Change Flag | Char (1) | O | 00, 01 | The Application ID change flag can have two values: 0 - The Application ID field unchanged 1 - The Application ID field changed When the change flag is set to '1', the new application ID is displayed on the sign-on screen. This only applies to function codes '00' and '01'. |
| Application ID Error Flag | Char (1) | O | 00, 01 | The Application ID Error flag can have two values: 0 - The Application ID field has no error 1 - The Application ID field has an error When the error flag is set to '1', the application id field will be highlighted and the cursor will be placed on that field. This only applies to function codes '00' and '01'. |
| Workstation ID | Char (8) | I/O | 00, 01 | The Workstation ID of the terminal where the images will be displayed. |
| Workstation ID change flag | Char (1) | O | 00, 01 | The Workstation ID change flag can have two values: 0 - The workstation ID field unchanged 1 - The workstation ID field changed When the change flag is set to '1', the new workstation ID is displayed on the sign-on screen. This only applies to function codes '00' and '01'. |
| Workstation ID error flag | Char (1) | O | 00, 01 | The Workstation ID error flag can have two values: 0 - The Workstation ID has no error 1 - The Workstation ID has an error When the error flag is set to '1', the workstation ID field will be highlighted and the cursor will be placed on that field. This only applies to function codes '00' and '01'. |

| Parameter Name | Format | I/O | Function Code | Description |
|-----------------------------|-------------|-----|---------------|---|
| Menu Switch | Char (1) | I/O | 00, 01 | The Menu Switch indicates whether the main menu be displayed after the operator is successfully logged on to AIS+. |
| Menu Switch Change Flag | Char (1) | O | 00, 01 | The Menu Switch change flag can have two values: 0 - The menu switch unchanged 1 - The menu switch changed When the change flag is set to '1', the new menu switch is displayed on the sign-on screen. This only applies to function codes '00' and '01'. |
| Menu Switch Error Flag | Char (1) | O | 00, 01 | The Menu Switch error flag can have two values: 0 - The Menu Switch has no error 1 - The Menu Switch has an error When the error flag is set to '1', the menu switch field will be highlighted and the cursor will be placed on that field. This only applies to function codes '00' and '01'. |
| Password change switch | Char (1) | I/O | 00, 01 | The password change flag must be set to 'Y' to allow the password to be changed for that operator ID. The valid values for the Operator Change Flag are 'Y', 'N' or a space. |
| Password switch change flag | Char (1) | O | 00, 01 | The Password switch change flag can have two values: 0 - The password switch unchanged 1 - The password switch changed |
| Password switch error flag | Char (1) | O | 00, 01 | The Password switch error flag can have two values: 0 - The password switch has no error 1 - The password switch has an error |
| New password-1 | Char (8) | I/O | 00, 01 | The new password for the operator ID. The new password is passed to the security exit only when the password change switch is 'Y' |
| New password-1 change flag | Char (1) | O | 00, 01 | The new password-1 change flag can have two values: 0 - The password-1 is unchanged 1 - The password-1 is changed. The password switch must be set to 'y'. |
| New password-1 error flag | Char (1) | O | 00, 01 | The new password-1 error flag can have two values: 0 - The password-1 has no error 1 - The password-1 has an error |
| New password-2 | Char (8) | I/O | 00, 01 | The password -2 is for verifying the new password for the operator ID. The new password is passed to the security exit only when the password change switch is 'Y'. The new password 1 must be the same as new password 2. |
| New password-2 change flag | Char (1) | O | 00, 01 | The new password-2 change flag can have two values: 0 - The password-2 is unchanged 1 - The password-2 is changed. The password |

| Parameter Name | Format | I/O | Function Code | Description |
|---------------------------|-------------|-----|---------------|--|
| | | | | switch must be set to 'y'. |
| New password-2 error flag | Char (1) | O | 00, 01 | The new password-2 error flag can have two values: 0 - The password-2 has no error 1 - The password-2 has an error |
| Host ODM Name | Char (4) | O | 00, 01 | The host ODM name field specifies the name of the ODM region where the images are stored. The ODM region supplied from the exit will be used for any 'print' or 'view' requests within AIS+. |
| Host ODM Name change flag | Char (1) | O | 00, 01 | The Host ODM Name change flag can have two values: 1 - The field has been changed by the exit. 0 - The field has not been changed by the exit. |

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Security Control Exit*. In addition, the table shows the options within the exit that can be utilized by the associated AIS+ function.

| AIS+ Function | Function Code | Purpose |
|-------------------------|---------------|--|
| SO01 Initial Sign-on | 00 | Accepts or rejects the sign-on information entered by the user. This exit can be used to verify ACF2 or RACF user authority. |
| SO01 Sign-on | 01 | Accepts or rejects the sign-on information entered by the user. This exit can be used to verify ACF2 or RACF user authority. |
| AOFF Sign-off | 02 | Signs off the current user. Control returned to CICS. |

AIS+ Storage Management Exit

Introduction

The *AIS+ Storage Management Exit* is used to modify storage requirements for a document.

Access

The supplied sample exit (AIEX004P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the data areas as needed.

```
EXEC CICS
  LINK PROGRAM      (AIEX004P)
  COMMAREA (data area)
END-EXEC.
```

Program Processing Logic

The installation of an AIS+ application requires profiles to be established for forms prior to their being used by the application. Part of the profile includes the storage information (management class, storage class, and collection name) to which the document will belong upon entering the system. The *AIS+ Storage Management Exit* can be used to further customize information beyond the default profile information.

Each returned data field has an associated modification flag field. When the flag contains a one (1), the calling program recognizes that the information in the data field has been changed and needs to be processed.

The exit will also return a code value indicating what the calling program should do upon returning control back to the calling program.

| Return Code | Process |
|-------------|--|
| 00 | Proceed as normal as no changes were made. |
| 01 | Proceed as normal, but use fields that have been modified. |
| 12 | Stop processing function as an error has been encountered. The message code to be used in the display is contained in the exit's message code field. |

Parameter List Structure

The table below defines the fields (format and usage) used by the various *AIS+ Storage Management Exit* option codes. The parameter list layout is contained in the COBOL copybook AILSTMGT.

The exit must set the parameter's flag to one (1) if the value in the parameter is changed and is to be used by the calling program.

| Parameter Name | Format | I/O | Description |
|-----------------------------|--------------|-----|---|
| Application ID Code | Bin (2) | I | The application ID code identifies the application from which the exit is being called. |
| Collection Name | Char (44) | I/O | The collection name field contains the name that identifies the collection of objects stored. This name is used to reference the storage group name, management class name, and storage class name for the document. The IBM Object Access method needs the collection name to determine where to store and retrieve documents. |
| Collection Name Flag | Char (1) | O | The collection name flag can have two values: O - Collection name field unchanged 1 - Collection name field changed |
| Create Site | Char (8) | I/O | The create site field contains the symbolic name of the IBM IODM CICS region where the document should be scanned. |
| Create Site Flag | Char (1) | O | The create site flag can have two values: O - Create site field unchanged 1 - Create site field changed |
| Date Format | Char (1) | I | The date format field contains the format used in the language specified for the application. The values are as follows: 1 - mm/dd/yyyy 2 - dd/mm/yyyy 3 - dd.mm.yyyy 4 - yyyy-mm-dd 5 - dd-mm-yyyy 6 - dd mm yyyy |
| Document Date Filed | Char (10) | I | The document date filed field contains the date the document was filed in the application. |
| Document Date Received | Char (10) | I | The document date received field contains the date when a document was added to the application. |
| Document Description | Char (60) | I | The document description field contains the description given to a document. |
| Document Description Length | Bin (2) | I | The document description length field contains the length of the document description. |
| Document Security Class | Char | I | The document security class field contains the security class assigned |

| Parameter Name | Format | I/O | Description |
|--------------------------------|--------------|-----|---|
| | (2) | | to each document. |
| File Tab | Char (16) | I | The file tab contains the name of the file tab in the folder under which the document is stored. |
| Folder ID | Char (26) | I | The folder ID field contains the unique identifier of the folder in the application. |
| Folder ID Length | Bin (2) | I | The folder ID length field contains the actual length of the folder ID. |
| Form Number | Char (10) | I | The form number field contains a code that identifies the type of document. |
| Function Code | Char (2) | I | The function code field specifies the AIS+ function that called the exit. |
| Language ID | Char (3) | I | The language ID field contains the identifier of the language used to communicate with the user. |
| Message Code | Char (8) | O | The message code field contains the message code generated by the user exit when the return code is 12. |
| Override Management Class | Char (8) | I/O | The override management class field contains a name that describes the retention, backup, and class transition characteristics for a group of documents in a document storage hierarchy. |
| Override Management Class Flag | Char (1) | O | The override management class flag can have two values: O - Override management class field unchanged 1 - Override management class field changed |
| Retention Period | Bin (4) | I/O | The retention period field shows how long a document is kept in storage. When the specified date is reached, the system deletes that document from storage. |
| Retention Period Flag | Char (1) | O | The retention period flag can have two values: 0 - Retention period field unchanged 1 - Retention period field changed |
| Return Code | Num (2) | O | The return code must be set to one of the following values that controls the subsequent processing: 00 - Continue processing 01 - Continue processing and use the values updated by the exit. 12 - Stop processing this function and display a message |
| Routing Decision | Char (1) | I | The routing decision field indicates whether to add the document or add and route the document. The routing decision indicators are: 0 - Add the document to the folder 1 - Add and route the document to the folder |
| Storage Site | Char (8) | I/O | The storage site field indicates where the document will be stored. |
| Storage Site Flag | Char | O | The storage site flag can have two values: |

| Parameter Name | Format | I/O | Description |
|---------------------|--------------|-----|--|
| | (1) | | 0 - Storage site field unchanged 1 - Storage site field changed |
| Temporary ID Format | Char (1) | I | The temporary document ID format contains a value that determines how ImagePlus creates the temporary document ID. The values are as follows: 1 - ImagePlus uses the value of the folder ID 2 - ImagePlus uses the value of the folder ID with a randomly generated three-digit number 3 - ImagePlus randomly generates a six-digit number 4 - ImagePlus concatenates the temporary ID prefix with a randomly generated six-digit number |
| Temporary ID Prefix | Char (1) | I | The temporary ID prefix field contains a value that is used to create the temporary document ID. |
| Terminal IODM ID | Char (4) | I | This field is currently not being used. |
| User Date | Char (10) | I | The user date area field is used by the user to specify a date for the document. |
| User Exit Area | Char (20) | I/O | This value is supplied during the addition or modification of documents. The customer may optionally modify this value within the exit. |
| User ID | Char (8) | I | The user ID field contains the ID of the user that is calling the exit. |
| User Parameter 1 | Char (4) | I | The user parameter 1 field contains a user-defined parameter. |
| User Parameter 2 | Bin (4) | I | The user parameter 2 field contains a user-defined parameter. |
| User Security Class | Char (2) | I | The user security class field contains the security class value assigned to the user. |
| Workstation ID | Char (8) | I | The workstation ID field contains the code that identifies the workstation used to display the image part of the document. |

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Storage Management Exit*. In addition, the table shows the options within the exit that can be utilized by the associated AIS+ function.

| AIS+ Function | Purpose |
|---|---|
| DC05 Document Modify (Move Pages) | When moving pages from one folder to another, this exit is invoked to provide storage management parameters for the new document. |
| DC06 Document Index and Scan | Provides the collection name and the storage management values of the document. AIS+ uses this information to store the document. |

AIS+ Validate Data Exit

Introduction

The *AIS+ Validate Data Exit* is used to validate folder, document, and workflow information based upon customer specific requirements.

Access

The supplied sample exit (AIEX002P) is accessed by various AIS+ on-line programs through the use of a CICS LINK. A data area is passed between the exit and the calling program to allow you to customize the data areas as needed.

```
EXEC CICS
      LINK PROGRAM      (AIEX002P)
      COMMAREA  (data area)
END-EXEC.
```

Program Processing Logic

The exit has five (5) different options that range from 1 to 5. The option will determine the information passed to the exit, the type of process performed, and the information passed back to the calling program.

| Option Code | Description |
|-------------|--|
| 1 | The exit will validate the folder information prior to the folder being created. |
| 2 | The exit will validate the folder information prior to the folder being updated. |
| 3 | The exit will validate the folder ID and the document information prior to adding the document. |
| 4 | The exit will validate the folder ID and the document information prior to updating the document. |
| 5 | The exit will validate the folder ID and the document information, including routing information, prior to adding the document to the folder and routed. |

The installation of an AIS+ application requires profiles to be established for forms and folders prior to their being used by the application. Routing information can also be established for workflow used by the application. The profiles represent a base default for respective items. The *AIS+ Validate Data Exit* can be used to validate information prior to adding or updating folder and/or document information. The option in use determines the information that will be returned from the exit.

The exit will return a code value indicating what the calling program should do after the exit is invoked.

| Return Code | Process |
|--------------------|--|
| 00 | Proceed as normal as no errors were encountered. |
| 04 | A Warning message was returned from the exit. The calling program will display the Warning message, assuming no errors exist, and continue processing normally. Any changes made in the exit will also be applied. |
| 12 | Stop processing function as an error has been encountered. The message code to be used in the display is contained in the exit's message code field. |

Parameter List Structure

The table below defines the fields (format and usage) used by the various *AIS+ Validate Data Exit* option codes. The parameter list layout is contained in the COBOL copybook AILVLDT.

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------------|-------------|--------------|-----|--|
| Aging Date | 5 | Char (10) | I | The date from which aging of a document is based. |
| Application ID | 1,2,3,4,5 | Bin (2) | I | The application ID code field identifies the application from which the exit is being called. |
| Assigned User ID | 5 | Char (8) | I | The assigned user ID field contains the ID of the user assigned to work on the document. |
| Awake Document | 5 | Char (1) | I | The awake document field indicates whether the suspended documents in the folder should be made available for processing. The awake document indicators are: 0 - Suspended documents in the folder should not be made available for processing 1 - Suspended documents in the folder should be made available for processing |
| Create Date | 1,2 | Char (10) | I | The create date field contains the date the folder was created. This date must be earlier than or the same as the system-generated date. |
| Date Format | 1,2,3,4,5 | Char (1) | I | The date format field contains the format used in the language specified for the application. The values are as follows: 1 - mm/dd/yyyy 2 - dd/mm/yyyy 3 - dd.mm.yyyy 4 - yyyy-mm-dd 5 - dd-mm-yyyy 6 - dd mm yyyy |
| Document Date Filed | 3,4 | Char (10) | I | The document date filed field contains the date the document was filed in the application. |
| Document Date Received | 3,4,5 | Char (10) | I | The document date received field contains the date when a document was added to the application. |
| Document Description | 3,4,5 | Char (60) | I | The document description field contains the description given to a document. |
| Document Description Length | 3,4,5 | Bin (2) | I | The document description length field contains the length of the document description. |
| Document Security Class | 3,4,5 | Char | I | The document security class field contains the security class assigned to each document. |

| Parameter Name | Option Code | Format | I/O | Description |
|---------------------------------|-------------|--------------|-----|---|
| | | (2) | | |
| Expiration Date | 5 | Char (10) | I | The expiration date field contains the last date by which the document must be processed. |
| File Tab | 3,4,5 | Char (16) | I | The file tab contains the name of the file tab in the folder under which the document is stored. |
| Folder Description | 1,2 | Char (60) | I | The folder description length field contains the actual length of the folder description. |
| Folder Description Length | 1,2 | Bin (2) | I | The folder description length field contains the actual length of the folder description. |
| Folder ID | 1,2,3,4,5 | Char (26) | I | The folder ID field contains the unique identifier of the folder in the application. |
| Folder ID Length | 1,2,3,4,5 | Bin (2) | I | The folder ID length field contains the actual length of the folder ID. |
| Folder Secondary Index 1 | 1,2 | Char (40) | I | The folder secondary index 1 field contains the value that groups folders within an application. |
| Folder Secondary Index 1 Length | 1,2 | Bin (2) | I | The folder secondary index 1 length field contains the actual length of folder secondary index 1. |
| Folder Secondary Index 2 | 1,2 | Char (40) | I | The folder secondary index 2 field contains the value that groups folders within an application. |
| Folder Secondary Index 2 Length | 1,2 | Bin (2) | I | The folder secondary index 2 field length contains the actual length of folder secondary index 2. |
| Folder Secondary Index 3 | 1,2 | Char (40) | I | The folder secondary index 3 field contains the value that groups folders within an application. |
| Folder Secondary Index 3 Length | 1,2 | Bin (2) | I | The folder secondary index 3 length field contains the actual length of folder secondary index 3. |
| Folder Security Class | 1,2 | Char (2) | I | The folder security class field contains the security class assigned to the folder. |
| Folder Type | 1,2 | Char (8) | I | The folder type field contains the value used for classifying folders. |
| Form Number | 3,4,5 | Char (16) | I | The form number field contains a code that identifies the type of document. |
| Function Code | 1,2,3,4,5 | Char (2) | I | The function code field specifies the AIS+ function that called the exit. |
| Hold Date | 5 | Char (10) | I | The hold date field contains the date until which a document is on hold. |
| Hold Time | 5 | Char | I | The hold time field contains the time on the hold date |

| Parameter Name | Option Code | Format | I/O | Description |
|-----------------------------|-------------|-------------|-----|--|
| | | (8) | | until which the document is on hold. |
| Language ID | 1,2,3,4,5 | Char (3) | I | The language ID field contains the identifier of the language used to communicate with the user. |
| Message Code | 1,2,3,4,5 | Char (8) | O | The message code field contains the message code generated by the user exit when the return code is 12. |
| Option Code | 1,2,3,4,5 | Num (1) | I | The option code is set to a value from 1 to 5. The AIS+ calling program tells the Validate Data exit what to do based on the value of the option code field. |
| Override Priority Indicator | 5 | Char (1) | I | The override priority indicator field contains the value used to set the priority of a routed document. The values are: 0 - Normal 1 - Low 2 - Medium 3 - High |
| Return Code | 1,2,3,4,5 | Num (2) | O | The return code must be set to one of the following values that controls the subsequent processing: 00 - Continue processing 12 - Stop processing this function and display a message. |
| RLOB | 5 | Char (6) | I | The RLOB field specifies the routing line-of-business used to generate the routing destination for the document. |
| Route Code | 5 | Char (6) | I | The route code field contains the route code value which, along with the unit code value, determines in which routing queue the document is placed. |
| Routing Decision | 5 | Char (1) | I | The routing decision field indicates whether to add the document or add and route the document. The routing decision indicators are: 0 - Add the document to the folder 1 - Add and route the document to the folder |
| Supervisory Authority | 1,2,3,4,5 | Char (1) | I | The supervisory authority field indicates whether the user can perform supervisory functions. The supervisory authority indicators are: N - Cannot perform supervisory functions Y - Can perform supervisory functions |
| Time Format | 1,2,3,4,5 | Char (1) | I | The time format field contains the format used in the language specified for the application. The values are as follows: 1 - 12-hour format (hh:mm xx) 2 - 24-hour format (hh:mm) For 12-hour time, a number from 01 to 12 specifies the hour (hh), 00 to 59 specifies the minutes (mm), and AM |

| Parameter Name | Option Code | Format | I/O | Description |
|---------------------|-------------|---------------|-----|---|
| | | | | <p>specifies a.m. or PM specifies p.m. (xx) The colon (:) and space () are required.</p> <p>For 24-hour time, a number from 00 to 23 specifies the hour (hh) and 00 to 59 specifies the minutes (mm). The colon (:) and three spaces () are required.</p> <p>For example, to specify 10:30 in the evening, the time parameter value is:</p> <p style="padding-left: 40px;">10:30 PM for 12-hour time</p> <p style="padding-left: 40px;">22:30 for 24-hour time.</p> |
| Transaction Type | 5 | Char (6) | I | The transaction type field contains a classification of the document indicating the type of work that must be performed on the document. |
| Unit Code | 5 | Bin (4) | I | The unit code field contains the unit code value, along with the route code value, that determine which queue the document is routed to for processing. |
| User Data | 1,2,3,4,5 | Char (253) | I | The user data code field contains the unit code value, along with the route code value, that determine which queue the document is routed to for processing. |
| User Data Length | 1,2,3,4,5 | Bin (2) | I | The user data length field contains the length of the user data. |
| User Date | 3,4,5 | Char (10) | I | The user date field contains a user-defined date associated with a document. |
| User Exit Area | 1,2,3,4,5 | Char (20) | I/O | The user exit area field contains the data passed from one user exit to another. |
| User ID | 1,2,3,4,5 | Char (8) | I | The user ID field contains the ID that identifies the user to the AIS+ function for which the exit is being called. |
| User Parameter 1 | 5 | Char (4) | I | The user parameter 1 field contains a user-defined parameter that determines the unit code and route code values when it is used along with the user parameter 2 field. |
| User Parameter 2 | 5 | Char (4) | I | The user parameter 2 field contains a user-defined parameter that determines the unit code and route code values when it is used along with the user parameter 1 field. |
| User Security Class | 1,2,3,4,5 | Char (2) | I | The user security class field contains the security class value assigned to the user. |

Exit Locations

The following table displays the AIS+ programs that have the ability to utilize the *AIS+ Validate Data Exit*. In addition, the table shows the options within the exit that can be utilized by the associated AIS+ function.

| AIS+ Function | Option Code | Purpose |
|---|--------------------|--|
| FD01 Folder Addition | 1 | Accepts or rejects the data entered by the user before a new folder is created. |
| FD06 Folder Update | 2 | Accepts or rejects the data entered by the user for update. |
| DC02 Document Copy/Move | 1 | Accepts or rejects the data entered by the user before a new folder is created. |
| DC02 Document Copy/Move | 5 | Accepts or rejects information about the document that is copied or moved. For function code 34 (Document Move) and 36 (Document Copy), there are no values passed to the following fields: <ul style="list-style-type: none"> • Form Number • Expiration Date • Document Security • Class Assigned User ID • Document Date Received • Aging Date • User Date • Hold Date • Document Description • Length Hold Time • Document Description |
| DC05 Document Modify (Update Document Info.) | 4 | Accepts or rejects information that is to be updated for a document. |
| DC05 Document Modify (Move Pages) | 3 | Accepts or rejects information about the new document that is created as a result of moving pages from an existing document. |
| DC06 Document Index and Scan (Document Stored but not Routed) | 3 | Accepts or rejects information about the document. |
| DC06 Document Index and Scan (Document Stored and Routed) | 5 | Accepts or rejects information about the new document that is added and routed. |
| DC06 Document Index and Scan | 1 | Accepts or rejects data entered by the user before a new folder is created. |

AIS+ Prefetch Exit

Introduction

The *AIS+ Prefetch Exit* is used to determine whether an image needs to be prefetched prior to executing a view or print request.

Access

The supplied sample exit (AIEX015P) is accessed by various AIS+ on-line programs via a CICS LINK command. A data area is passed between the exit and the calling program to allow the calling program to supply and receive integral data.

```
EXEC CICS
  LINK PROGRAM      (AIEX0015P)
  COMMAREA         (data area)
END-EXEC.
```

Program Processing Logic

The exit has three (3) different options ranging from 1 to 3. The option will determine the information passed to the exit, the type of process to be performed, and the information to be returned.

| Option Code | Description |
|-------------|--|
| 1 | This option will process at the <i>object</i> level. It verifies the location of the active object. |
| 2 | This option will process at the <i>folder tab</i> level. It verifies the location of all objects contained within the active folder tab. |
| 3 | This option will process at the <i>folder</i> level. It verifies the location of all objects contained within the active folder. |

When the exit returns control to the calling program, it will also return a return code and a message code. The return code indicates what action the calling program should take as a result of the exit. The following values are outline in the chart below.

| Return Code | Implication |
|-------------|--|
| 0 | All involved images reside on DASD. Let the view or print request continue normally |
| 4 | At least one involved image needs to be prefetched prior to executing a view or print request. Halt request and return to message. |
| 16 | A fatal error occurred in the exit. Halt processing and return error message. |

Parameter List Structure

The table below defines the fields (format and usage) used depending on the option code. The actual parameters for the exit are contained in the COBOL copybook AILPFDTA.

| Parameter Name | Option | Format | I/O | Description |
|----------------|--------|--------------|-----|---|
| Option Code | All | Char (01) | I | This value tells the exit what to do. |
| Function Code | n/a | Char (02) | I | Currently not used. |
| Return Code | All | Num (02) | O | Returns a value of 0, 4, or 16. This tells the calling program what to do. |
| Message Code | All | Char (08) | O | Returns a code that correlates to an entry in the AISMSGs table. If value exists, this message will be displayed immediately. Only applies when Return Code exceeds zero. |
| Application | All | Bin (02) | I | This code tells the exit which application is active. |
| Folder Token | 2,3 | Char (26) | I | When a particular folder is being processed, this value identifies the folder. |
| Object Time | 1 | Char (26) | I | When a particular object is being processed, this value identifies the object. |
| Create Site | 1 | Char (04) | I | When a particular object is being processed, this will help identify the object. |
| Tab Code | 2 | char (16) | I | When a particular folder tab is being processed, this will help identify the folder tab. |

Exit Locations

The following table contains the AIS+ programs that have the ability to utilize the AIS+ Prefetch Exit. Additionally, the table shows which options can be utilized by each program.

| AIS+ Function | Option | Purpose |
|--------------------------------|--------|---|
| DCO1 Document List | 1 | Checks image locations at the object level prior to a view, print, or host print request. |
| FDO2 Folder Index | 3 | Checks image locations at the folder level prior to a host print request. |
| FDO3 Folder ID | 3 | Checks image locations at the folder level prior to a host print request. |
| FDO4 Folder Tab | 2 | Checks image locations at the folder tab level prior to a host print request. |
| WMO1 Work with Queued Items | 1 | Checks image locations at the object level prior to a view, print, or host print request. |
| WMO2 Queue List | 1 | Checks image locations at the object level prior to a view request. |

AIS+ Field Edit Exit

Introduction

The *AIS+ Field Edit Exit* allows the editing of a folder's secondary index values, based on each corresponding secondary index edit numbers.

Access

The supplied sample exit (AIEX016P) is accessed by various AIS+ on-line programs via a CICS LINK command. A data area is passed between the exit and the calling program to allow the calling program to supply and receive integral data.

```
EXEC CICS
      LINK PROGRAM      (AIEX016P)
      COMMAREA         (data-area)
END EXEC.
```

Program Processing Logic

The AIS+ online programs pass the secondary index information of a folder, to the exit. Each secondary index value has a value flag associated with it. If the value flag for a secondary index is set to '1', then that secondary index contains some data. The field edit exit is called only if any of the secondary index has an edit number associated with it.

When the exit returns control to the calling program, it will also return a return code and a message code. The return code indicates what action the calling program should take as a result of the exit. The following values are outline in the chart below.

| Return Code | Implication |
|-------------|--|
| 0 | No changes have been made in the field edit exit. Continue the process normally. |
| 1 | Changes may have been made in the field exit. After the changes have been applied, the program will continue processing normally. |
| 04 | A Warning message was returned from the exit. The calling program will display the Warning message, assuming no errors exist, and continue processing normally. Any changes made in the exit will also be applied. |
| 12 | A fatal error occurred in the exit. Halt processing and return error message. |

Parameter List Structure

The table below defines the format and the usage of the fields passed to the Field Edit Exit. The actual parameters for the exit are contained in the COBOL copybook AILFEDIT.

| Parameter Name | Format | I/O | Description |
|---------------------------------------|--------------|-----|--|
| Function Code | Char (02) | I | The function code represents the function being performed in the on-line program, that calls the exit: '01' - Add a folder '02' - Update folder information '51' - Add a document |
| Return Code | Num (02) | O | Returns a value of 0, 1, 4, or 12. This tells the calling program what action to take. |
| Message Code | Char (08) | O | Returns a code that correlates to an entry in the AISMSGs table. If value exists, this message will be displayed immediately. Only applies when Return Code exceeds zero. |
| Application | Bin (02) | I | This code tells the exit which application is active. |
| Folder Type | Char (02) | I | The folder type of the folder being processed. |
| Folder ID | Char (26) | I | When a particular folder is being processed, this value identifies the folder. |
| Index Sub | Bin (02) | I | The value in the index sub field is the number of secondary indexes that were entered on the screen. |
| Secondary Index Edit Number 1 (one). | Char (02) | I | The edit number associated with the first secondary index value. The edit numbers for each secondary index can be defined in the <i>AIS+ Folder Profile</i> function. |
| Secondary Index Edit Number 2 (two) | Char (02) | I | The edit number associated with the second secondary index value. |
| Secondary Index Edit Number 3 (three) | Char (02) | I | The edit number associated with the third secondary index value. |
| Secondary Index 1 (one) | Char (40) | I/O | The first secondary index value. |
| Secondary Index 1 change flag | Char (01) | O | The value in the secondary index 1 has been changed in the field edit exit: '0' - Secondary index 1 not changed. '1' - Secondary index 1 has been changed. |
| Secondary Index 1 error flag | Char (01) | O | An error found in the secondary index 1, in the field edit exit. The secondary index 1 field on the screen will be highlighted and the message code returned from the exit will be displayed: |

| Parameter Name | Format | I/O | Description |
|---------------------------------|--------------|-----|--|
| | | | message code returned from the exit will be displayed: '0' - Secondary index 1 has no errors. '1' - Secondary index 1 has errors. |
| Secondary Index 2 (two) | Char (40) | I/O | The second secondary index value. |
| Secondary Index 2 change flag | Char (01) | O | The value in the secondary index 2 has been changed in the Field Edit Exit: '0' - Secondary index 2 not changed. '1' - Secondary index 2 has been changed. |
| Secondary Index 2 error flag | Char (01) | O | An error found in the secondary index 2, in the field edit exit. The secondary index 2 field on the screen will be highlighted and the message code returned from the exit will be displayed: '0' - Secondary index 2 has no errors. '1' - Secondary Index 2 has errors. |
| Secondary Index 3 (three) | Char (40) | I/O | The third secondary index value. |
| Secondary Index 3 change flag | Char (01) | O | The value in the secondary index 3 has been changed in the Field Edit Exit: '0' - Secondary index 3 not changed. '1' - Secondary index 3 has been changed. |
| Secondary Index 3 error flag | Char (01) | O | An error found in the secondary index 3, in the field edit exit. The secondary index 3 field on the screen will be highlighted and the message code returned from the exit will be displayed: '0' - Secondary index 3 has no errors. '1' - Secondary index 3 has errors. |
| Secondary Index 1 value flag | Char (01) | I | The value in the flag determines, whether any value was entered for the secondary index on the screen: '0' - No value entered for secondary index 1. '1' - Secondary index 1 contains a value. |
| Secondary Index 2 value flag | Char (01) | I | The value in the flag determines, whether any value was entered for the secondary index on the screen: '0' - No value entered for secondary index 2. '1' - Secondary index 2 contains a value. |
| Secondary Index 3 value flag | Char (01) | I | The value in the flag determines, whether any value was entered for the secondary index on the screen: '0' - No value entered for secondary index 3. '1' - Secondary index 3 contains a value. |
| Secondary Index 1 Change Switch | Char(01) | I | The value in the flag determines, whether the secondary index 1 value was changed by the AIS+ Application Program: '1' - Secondary Index 1 changed |

| Parameter Name | Format | I/O | Description |
|------------------------------------|-----------|-----|---|
| Secondary Index 2 Change Switch | Char (01) | I | The value in the flag determines, whether the secondary index 2 value was changed by the AIS+ Application Program: '1' - Secondary Index 2 changed |
| Secondary Index 3 Change Switch | Char(01) | I | The value in the flag determines, whether the secondary index 3 value was changed by the AIS+ Application Program: '1' - Secondary Index 3 changed |

Exit Locations

The following table contains the AIS+ programs that have the ability to utilize the AIS+ Field Edit Exit.

| AIS+ Function | Purpose |
|---------------------------------|---|
| DCO6 Document Index and Scan | The secondary indexes can be edited before a new folder is added to the system. |
| FDO1 Folder Addition | The secondary indexes can be edited before a new folder is added to the system. |
| FD06 Folder Update | The secondary indexes can be edited before the folder information is updated. |

AIS+ Delete Object Exit

Introduction

The *AIS+ Delete Object Exit* provides the option to allow the AIS+ Document Delete function to delete the document physically from the image application.

Access

The supplied sample exit (AIEX017P) is accessed by the Document Delete program via a CICS LINK command. A data area is passed between the exit and the calling program to allow the calling program to supply and receive integral data.

```
EXEC CICS
  LINK PROGRAM      (AIEX017P)
  COMMAREA         (data-area)
END EXEC.
```

Program Processing Logic

The AIS+ online program passes a group of parameters outlined below to the exit. The exit will then interrogate these fields and based on the criteria defined by the user, determine whether the document will be deleted physically or logically from the EYPT tables.

When the exit returns control to the calling program, it will also return a return code and a message code. The return code indicates what action the calling program should take as a result of the exit. The following values are outlined in the chart below.

| Return Code | Implication |
|-------------|--|
| 0 | No changes have been made in the delete object exit. Continue the process normally. |
| 1 | Changes may have been made in the delete object exit. After the changes have been applied, the program will continue processing normally. |
| 04 | A Warning message was returned from the exit. The calling program will display the Warning message, assuming no errors exist, and continue processing normally. Any changes made in the exit will also be applied. |
| 12 | A fatal error occurred in the exit. Halt processing and return error message. |

Parameter List Structure

The table below defines the format and the usage of the fields passed to the Delete Object Exit. The actual parameters for the exit are contained in the COBOL copybook AILDOBJT.

| Parameter Name | Format | I/O | Description |
|--------------------|--------------|-----|--|
| Object Code | Char (01) | I | Value '1' |
| Function Code | Char (02) | I | Currently, this parameter is not available. |
| Return Code | Num (02) | O | Returns a value of 0, 1,4, or 12. This tells the calling program what action to take. |
| Application ID | Bin (02) | I | This code tells the exit which application is active. |
| Folder Type | Char (02) | I | The folder type of the folder being processed. |
| Folder Length | Bin (04) | I | The length of the folder ID passed in. |
| Folder ID | Char (26) | I | The folder ID of the document being processed. |
| Folder Token | Char (26) | I | The timestamp token code of the folder ID. |
| Delete Reason Code | Char (02) | I | The Business-defined reason code for deleting the requested object. |
| Delete Option | Num (01) | N/A | Defaults to 2. (Delete all versions of the object.) |
| Delete Control | Num (01) | O | The delete control. 1 - Delete the object from the FAF API index and OAM storage. 2 - Delete the object from the FAF index only. The default is 1. |
| Object Version | Num (01) | N/A | Defaults to 1. |
| User ID | Char (08) | I | The user ID of the person performing the function. |
| Message Code | Char (08) | O | Returns a code that correlates to an entry in the AIS+ Message table. If value exists, this message will be displayed immediately. Only applies when Return Code exceeds zero. |
| Delete Indicator | Char | O | Flag returned: |

| | | | |
|------------------------------|--------------|-----|--|
| | (01) | | L - Logical Delete P - Physical Delete |
| Delete Indicator Change Flag | Char (01) | I | 1 - Delete indicator changed 0 - Delete indicator not changed |
| Delete Option Change | Char (01) | N/A | Not used |
| Delete Control Change | Char (01) | O | 1 - Delete control changed 0 - Delete control not changed |
| Object Version Change | Char (01) | N/A | Not used. |
| Multiple Objects | Char (01) | I | 1 - Object exists in more than one folder. 0 - Object exists in only one folder. |
| Delete Multiple Objects | Char (01) | I | Hard coded value in the exit copybook to be determined by the user. 1 - Yes 0 - No |

Exit Locations

The following table contains the AIS+ programs that have the ability to utilize the AIS+ Delete Object Exit.

| AIS+ Function | Purpose |
|-------------------------|--|
| DC03 Document Delete | Determine if the object queued for delete can be physically deleted. |

AIS+ Operator Administration Security Exit

Introduction

The *AIS+ Operator Administration Security Exit* provides the option to disallow administrators access to certain security functions for specific operators.

Access

The supplied sample exit (AIEX018P) is accessed by various on-line programs via a CICS LINK command. A data area is passed between the exit and the calling program to allow the calling program to supply and receive integral data.

```
EXEC CICS
      LINK PROGRAM      (AIEX018P)
      COMMAREA          (data-area)
END EXEC.
```

Program Processing Logic

The exit has seven (7) different functions. The function code will determine the information passed to the exit, the type of process to be performed, and the information to be returned.

| Function Code | Description |
|---------------|---|
| 1 | This function will provide the ability to disallow an administrator inquire access to a specific operator's security profile |
| 2 | This function will provide the ability to disallow an administrator add capability for a specific operator Identifier |
| 3 | This function will provide the ability to disallow an administrator update capability to a specific operator's security profile |
| 4 | This function will provide the ability to disallow an administrator delete capability to a specific operator's security profile |
| 5 | This function will provide the ability to disallow an administrator copy capability for a specific set of operator Identifiers |
| 6 | This function will provide the ability to disallow an administrator group assignment capability for a specific operator identifier |
| 7 | This function will provide the ability to disallow an administrator operator assignment capability for a specific operator identifier |

When the exit returns control to the calling program, it will also return a return code and a message code. The return code indicates what action the calling program should take as a result of the exit. The following values are outlined in the chart below.

| Return Code | Implication |
|--------------------|--|
| 0 | Administrator has access to perform function for operator Identifier entered. |
| 12 | Administrator does not have access to perform function for operator Identifier entered. Message Code returned from exit will be displayed on screen. |

Parameter List Structure

The table below defines the format and the usage of the fields passed to the Operator Administration Security Exit. The actual parameters for the exit are contained in the COBOL copybook AILOPADM.

| Parameter Name | Format | I/O | Description |
|-------------------------------|---------------|------------|---|
| Application ID | Bin (02) | I | This code tells the exit which application is active. |
| Function Code | Char (02) | I | This indicates to the exit what function in AIS+ called the exit. |
| Return Code | Num (02) | O | Returns a value of 0, or 12. This tells the calling program what action to take. |
| Message Code | Char (08) | O | This message code will be used to retrieve message to be displayed on screen. If return code 12 is returned by the exit, a value must be in this field. |
| User ID | Char (08) | I | The user ID of the administrator performing the function being passed. |
| User Security Class | Char (02) | I | The security class of the administrator performing the function being passed. |
| Modify User ID | Char (08) | I | The user ID of the operator which is being manipulated. |
| Modify User Security Class | Char (02) | I | The security class of the operator which is being manipulated. |
| Copy From User ID | Char (08) | I | The user ID of the operator whose information is being copied. Only used for Function code '5'. |
| Copy From User Security Class | Char (02) | I | The security class of the operator whose information is being copied. Only used for Function code '5'. |

Exit Locations

The following table contains the AIS+ programs that have the ability to utilize the AIS+ Operator Administration Security Exit.

| AIS+ Function | Purpose |
|----------------------------------|--|
| SA01 Operator Profile Inquire | Determine if administrator has access to inquire on operator Identifier entered. |
| SA01 Operator Profile Add | Determine if administrator has access to add operator Identifier entered. |
| SA01 Operator Profile Update | Determine if administrator has access to update operator Identifier entered. |
| SA01 Operator Profile Delete | Determine if administrator has access to delete operator Identifier entered. |
| SA02 Operator Assignment | Determine if administrator has access operator assignment for operator Identifier entered. |
| SA06 Operator Copy | Determine if administrator has access to copy from operator identifier enter to operator Identifier entered. |
| SA14 Group Assignment | Determine if administrator has access to group assignment for operator Identifier entered. |

AIS+ Line of Business Integration

Introduction

The AIS+ Line of Business(L-O-B) Integration provides the mechanism to access the AIS+ Image System from other applications.

Access

The name of the L-O-B transaction is AIST and the program name is AILB001P. The transaction is started from another application and is not executable by an operator.

The LOB application must issue the following command to invoke the AIS+ Sign-on transaction, the Sign-off transaction, the Print transaction and the View transaction:

```
EXEC CICS
START TRANSID ('AIST')
FROM (AIST-PARMS-COMMAREA)
LENGTH (LENGTH OF AIST-PARMS-COMMAREA)
SYSID (AIS-SYS-ID)
END-EXEC
```

The LOB application must issue the following command to invoke all other AIS+ transactions, except for the Sign-on transaction, the Sign-off transaction, the Print transaction and the View transaction:

```
EXEC CICS
START TRANSID ('AIST')
FROM (AIST-PARMS-COMMAREA)
LENGTH (LENGTH OF AIST-PARMS-COMMAREA)
TERMINID (EIBTRMID)
SYSID (AIS-SYS-ID)
END-EXEC
```

The format of the passed common area above is:

```
01  AIST-PARMS-COMMAREA.
    05  AIST-TRANS-AREA.
        10  AIST-TRANS-CODE          PIC X(04).
        10  FILLER                   PIC X(01) VALUE SPACES.
        10  AIST-TRANS-PARMLIST      PIC X(208).
        10  FILLER                   PIC X(01) VALUE SPACES.
        10  AIST-TRANS-TERMINAL-ID   PIC X(04).
    05  AIST-LOB-RET-AREA.
        10  AIST-LOB-TRANS-CODE      PIC X(08).
        10  AIST-LOB-PARMLIST        PIC X(20).
        10  AIST-RET-SYS-ID          PIC X(08).
```

Where;

AIST-TRANS-CODE = AIS+ transaction that this LOB program should start

AIST-TRANS-PARMLIST = Parameters being passed to the above AIS+ transaction. In most cases, this data is in the same format as the FASTPATH command entered from a blank CICS screen. See note below for details.

- AIST-TRANS-TERMINAL-ID** = The value in the EIBTRMID of the CICS session, where the LOB application program is running. This is a required entry, when the AIS+ Sign-on, Sign-off, Print or View transaction is invoked.
- AIST-LOB-TRANS-CODE** = The transaction to be started from AIS+ when the operator exits AIS.
- AIST-LOB-PARMLIST** = Data to be passed back to the Line of Business transaction.
- AIST-RET-SYS-ID** = System identifier where the LOB transaction resides.

NOTE!

A) AIS=TRANS_PARMLIST format updates.

AISEE V1.0 includes an enhancement in the LOB integration that expanded the AIST-TRANS-PARMLIST from 88 to 208 bytes to allow passing folder secondary indices. This change affected the DC06, FD01, FD02 and FD06 AIS+ transactions. Hence the parameters passed for these AIS+ transactions is as follows:

Document Index and Scan:

DC06/FOLDERTYPE/FORMNAME/TAB-DESCRIPTION/FOLDERKEY/SECONDARY-INDEX1/SECONDARY-INDEX2/SECONDARY-INDEX3

Note: Secondary Index values 1, 2 & 3 are optional

Folder Addition (FD01):

FD01/FOLDERTYPE/FOLDERID/SECONDARY-INDEX1/SECONDARY-INDEX2/SECONDARY-INDEX3

Note: Secondary Index values 1, 2 & 3 are optional

Folder List by Folder Type:

FD02/FOLDERTYPE/SECONDARY-INDEX1/SECONDARY-INDEX2/SECONDARY-INDEX3

Note: At least one Secondary Index value is required

Folder Update:

FD06/OLD-FOLDERID/NEW-FOLDERTYPE/NEW-FOLDERID/SECONDARY-INDEX1/SECONDARY-INDEX2/SECONDARY-INDEX3

Note: Old-Folderid is required, all other parameters are optional

B) Usage Notes:

1. All required and optional parameters must be delimited by ',' or '/'. The base AIS+ LOB code allows for ',' or '/' or space to be used as delimiter. In this modified version of the AIS+ LOB code, a space **SHOULD NOT** be used as a delimiter. Dropping the use of space as a delimiter enables you to pass parameters with imbedded blanks. For example, you may want to pass Primary Name field in 'last-name middle-initial first-name' format as one of the folder secondary indices.
2. To skip an optional parameter, put a delimiter in its place. Examples:
 - a) To pass only secondary-index-value2 for Folder List by Folder Type function (FD02), your LOB application must pass:

FOLDER-TYPE//SECONDARY-INDEX2
 - b) To pass only secondary-index-value3 for Folder List by Folder Type function (FD02), your LOB application must pass:

FOLDER-TYPE///SECONDARY-INDEX3

c) To pass only the required parameters for Folder Add function (FD01), your LOB application must pass:

FOLDER-TYPE/FOLDERID

d) To pass the required parameters and the optional parameter secondary-index-value3 for the Folder Add function (FD01), your LOB application must pass:

FOLDER-TYPE/FOLDERID///SECONDARY-INDEX3

e) To pass the required parameters and all optional parameters for the Folder Add function (FD01), your LOB application must pass:

FOLDER-TYPE/NEW FOLDERID/SECONDARY INDEX1/SECONDARY INDEX2/SECONDARY INDEX3

Note the imbedded blanks in folder-id and secondary index parameters.

Program Processing Logic

Transaction Overview:

When the transaction is started from the Line of Business Application, it receives the data passed in from the calling transaction. A check is made to validate that the AIS+ Sign-on function has occurred from the terminal in use. If not, a return code of '12' and a message code is put into the return area, and the LOB transaction is started. If the terminal has a valid AIS+ Sign-on associated with it, a temporary storage record is created to include all pertinent return transaction information for the LOB application. The program formats the passed data area and transfers control to the AIS+ application.

When the transaction is started from AIS+, the temporary storage queue created above is used to retrieve the LOB transaction area. The LOB transaction area is formatted and a 'START' command is issued to start the Line of Business (LOB) application.

The return area will be formatted as follows:

```
01  AIST-RETURN-PARMLIST.
    05  AIST-RETURN-LOB-PARMS          PIC X(20).
    05  AIST-RETURN-MSG-CODE          PIC X(08).
    05  AIST-RETURN-CODE              PIC 9(02).
```

where AIST-RETURN-LOB-PARMS is the data area passed into AIS+ from the line of business (AIST-LOB-PARMLIST in AIST-PARMS-COMMAREA), AIST-RETURN-MSG-CODE is the AIS+ message code, and AIST-RETURN-CODE is the return code of the call to AIS+. The return code may have the following values:

| Return Code | Implication |
|-------------|--------------------------------------|
| 0 | Processing completed successfully |
| 12 | Processing unsuccessful |
| 16 | Serious database or processing error |

The line of business transaction will have to be coded to handle the return area above as well as the three processing conditions.

Note:

In case of the Sign-on, Sign-off, Print and View transactions, when the AIS+ LOB transaction (AIST) is completed, it does not START the Line of Business application, but issues a CICS RETURN with no data returned. If there are any errors encountered, an entry is made to the EYPTELOG table. The return code can be found in the RETCODE column of the EYPTELOG table, and any error message can be found in the ERRDATA column of the EYPTELOG table.

Requirements for LOB Transaction:

Modify any existing LOB code to start the AIS+ transaction(AIST). The format of the start command and the data passed to AIS+ are in the above sections. In addition, the data returned to the LOB application is also described above. Any executable transaction in the AIS+ system may be executed via this interface, including the sign-on and sign-off transactions. The sign-on transaction will be required prior to executing any other transactions in AIS+ through the LOB interface.

AIS+ Line of Business Display/Print Integration

Introduction

The *AIS+ Line of Business (LOB) Integration* provides the mechanism to access the AIS+ Image System from other applications. (see previous section) The *Display/Print Integration* utilizes the existing LOB integration to allow customers to display and/or print objects from within their Line of Business applications. The objects will be chosen by folder, and can be further delimited by form, tab, and/or a range of receive dates.

Access

The access required to utilize the Display and Print capabilities is similar to that of normal Line of Business operations, mentioned in the preceding section. Rather than placing a transaction ID in the AIST-TRANS-CODE, enter a value of "LOBP" for printing, or "LOBV" for displaying objects. Further, any parameters used to specify which documents to process should be placed within the AIST-TRANS-PARMLIST. The layout of this data area follows:

```

01 AIST-PARMS-COMMAREA.
  05 AIST-TRANS-AREA.
    10 AIST-TRANS-CODE          PIC X(04).
    10 FILLER                   PIC X(01) VALUE ''.
    10 AIST-TRANS-PARMLIST.
      15 WS-LB02-FOLDER-ID      PIC X(26) VALUE SPACES.
      15 WS-LB02-FORM-NAME      PIC X(16) VALUE SPACES.
      15 WS-LB02-START-DATE     PIC X(10) VALUE SPACES.
      15 WS-LB02-END-DATE       PIC X(10) VALUE SPACES.
      15 WS-LB02-TAB-DESC       PIC X(16) VALUE SPACES.
      15 WS-LB02-FUNCTION        PIC X(01) VALUE SPACES.
      15 WS-LB02-PRINTER-ID     PIC X(08) VALUE SPACES.
      15 FILLER                 PIC X(01) VALUE SPACES.
    10 FILLER                   PIC X(01) VALUE SPACES.
    10 AIST-TRANS-TERMINAL-ID   PIC X(04).
  05 AIST-LOB-RET-AREA.
    10 AIST-LOB-TRANS-CODE      PIC X(08).
    10 AIST-LOB-PARMLIST        PIC X(20).
    10 AIST-RET-SYS-ID          PIC X(08).

```

Within each LOB program that will utilize this functionality, programmatically place the value of the Folder Id whose documents are to be processed within the field WS-LB02-FOLDER-ID. This value is *required* and can span up to twenty-six (26) characters. The next field, WS-LB02-FORM-NAME, is *optional*. If utilized, this field should contain the Form Name of documents within that folder which should be processed. The next two (2) fields, WS-LB02-START-DATE and WS-LB02-END-DATE, work in unison. Together, these fields delimit which documents to process based upon a range that is applied against an object's Receive Date. Only those objects whose Receive Date falls on or within this range will be allowed to be processed. The use of these two (2) fields is also *optional*. If the date range is not going to be utilized, be sure that the corresponding fields contain spaces. The field WS-LB02-TAB-DESC is also *optional*. This field will delimit which objects to process based upon their Tab Code value. The WS-LB02-FUNCTION field is used by the source modules and should not be modified. Lastly, the field WS-LB02_PRINTER-ID is also *optional*. When used, this field can determine which printer to use when printing the document(s). If this field is left blank, the default printer defined in the OMDPRTID of

the IDWKCFTB table for that terminal will be used. Optionally enter either a valid printer-id to override the default, or enter a value of "A". By placing a value of "A" in this field, the alternate printer that is defined in the OMDALTPR column of the Workstation Configuration table (IDWKCFTB) for the applicable terminal will be used.

The value in the EIBTRMID field must be passed in the AIST-TRANS-TERMINAL-ID field.

Any documents that pass all edits up to this point will then be checked for security access. For a document to either display or print, the user requesting the action must have a security level high enough to access the document, and must also have access to that group which the document belongs. Such documents that do not meet this criteria are simply passed over, as if they do not exist.

Program Processing Logic

Transaction Overview:

When the transaction (AIST) is started from the *Line of Business Application*, it receives the data passed in from the LOB program that started it. Upon entry, a check is made to validate that the AIS+ Sign-on function has occurred from the terminal in use. If it has not occurred, a return code of '12' and an AIS+ message code are placed into the return area, and the Return LOB transaction is started. If the terminal has a valid AIS+ Sign-on associated with it, a temporary storage record is created to include all pertinent return transaction information for the LOB application. At this point the new L.O.B. Display / Print program is executed. This program will validate all information that was passed. If any errors arise, an entry is made to the EYPTELOG table. The appropriate Return Code is stored in the RETCODE column of the EYPTELOG table and the associated error message is stored in the ERRDATA column of the EYPTELOG table. An interpretation of the return codes is as follows:

| Return Code | Implication |
|-------------|--|
| 00 | Display/Print processing completed successfully. |
| 04 | Display/Print processing completed successfully. However, either no documents met the criteria, or on a Display request, the number of valid documents exceeded the maximum of ninety-nine (99) which are allowable. In this second scenario, only the first ninety-nine (99) will be displayed. |
| 12 | Processing unsuccessful. Some of the input values were not valid. |
| 16 | Serious database or processing error. When this occurs, a detailed entry will be placed into a Temporary Storage queue named "LB02ERRQ". Use the CICS command, CEBR, to browse the queue for a detailed description of the problem. See TSQ layout below. |

The layout of the Temporary Storage queue "LB02ERRQ" is outlined below. Each of the values are separated by a filler of three (3) bytes for ease of reading.

- Paragraph name where the error occurred. Length of 20 bytes.
- Table name upon which the error occurred. Length of 8 bytes. (if applicable)
- The process that was trying to execute. Length of 8 bytes.
- The value of the SQL Code. Length of 5 bytes. (if applicable)
- The return code of the error. Length of 2 bytes. (usually 16)
- The Reason Code 1 value. Length of 4 bytes. (if applicable)
- The Reason Code 2 value. Length of 4 bytes. (if applicable)

The line of business transaction will have to be coded to handle the return area below, as well as the above four (4) processing conditions. When the Print/View Line of Business transaction is completed, the control is passed back to the AIST transaction.

Appendix A: CICS Transaction/Program List

| Transaction | Program | Description |
|-------------|----------|--------------------------------|
| DC01 | AIDC001P | Document List |
| DC02 | AIDC002P | Document Copy/Move |
| DC03 | AIDC003P | Document Delete/Undelete |
| DC04 | AIDC004P | Document History |
| DC05 | AIDC005P | Document Modify |
| DC06 | AIDC006P | Document Index and Scan |
| DC07 | AIDC007P | Temporary ID Format |
| DC08 | AIDC008P | Scan Pending Display |
| FD01 | AIFD001P | Folder Addition |
| FD02 | AIFD002P | Folder List by Folder Type |
| FD03 | AIFD003P | Folder List by Folder ID |
| FD04 | AIFD004P | Folder List by Folder/Tab |
| FD05 | AIFD005P | Folder Deletion |
| FD06 | AIFD006P | Folder Update |
| HP01 | AIHP001P | Host Print |
| MN01 | AIMN001P | Application Menu |
| MN02 | AIMN002P | Main Menu |
| MN03 | AIMN003P | System Administration Menu |
| NT01 | AINT001P | Note List |
| NT02 | AINT002P | Note View |
| NT03 | AINT003P | Note Add |
| NT04 | AINT004P | Note Delete |
| NT05 | AINT005P | Note Move |
| RT01 | AIRT001P | Document Register and Route |
| RT02 | AIRT002P | Bad Transaction Error Logging |
| SA01 | AISA001P | Operator Profile |
| SA02 | AISA002P | Operator Assignment |
| SA03 | AISA003P | Form Profile |
| SA04 | AISA004P | Folder Profile |
| SA05 | AISA005P | Application Profile (Update 1) |

| Transaction | Program | Description |
|--------------------|----------------|---------------------------------|
| SA06 | AISA006P | Operator Copy |
| SA09 | AISA009P | Application Profile (Create) |
| SA10 | AISA010P | Unit Profile |
| SA11 | AISA011P | Unit/Route Code Profile |
| SA12 | AISA012P | RLOB/Tran Type Profile |
| SA13 | AISA013P | Application Profile (Update 2) |
| SA14 | AISA014P | Group Assignment |
| SO01 | AISO001P | Sign-on |
| SO02 (AOFF) | AISO002P | Sign-off |
| TR01 | AITR001P | Navigation/Transportation |
| UT02 | AIUT002P | Operator Look-up |
| UT03 | AIUT003P | Form Name Look-up |
| UT04 | AIUT004P | Folder Type Look-up |
| UT05 | AIUT005P | Held Document Release and Route |
| UT06 | AIUT006P | Unit Code Look-up |
| UT07 | AIUT007P | Unit/Route Code Look-up |
| UT08 | AIUT008P | RLOB/Tran Type Look-up |
| WM01 | AIWM001P | Work with Queued Item |
| WM02 | AIWM002P | List Queue Information |
| WM03 | AIWM003P | Hold Information |
| WM04 | AIWM004P | History by Operator ID |

Appendix B: CICS User Exit/Program List

At certain points during processing, the AIS+ system passes control to the AIS+ exits which can be enhanced by you. Enhancing the exits provides an additional means for you to customize an application to meet your end-user's needs.

The following table recaps which AIS+ function calls which exit and the purpose for calling the exit.

| Customer Exit Locations and Options | | | |
|-------------------------------------|-------------------------|-------------|--|
| User Exit | Function | Option Code | Purpose |
| AIEX001P Customer Data | FD01 Folder Addition | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be created. |
| | | 2 | Provides customer-related information for display on the second line of the <i>AIS+ Folder Addition</i> screen and changes folder information. |
| | FD04 Folder Tab List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Folder List by Folder/Tab</i> screen. |
| | FD05 Folder Delete | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be deleted. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Folder Delete</i> screen. |
| | FD06 Folder Update | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Folder Update</i> screen. |
| | NT01 Note List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Note List</i> screen. |
| | NT03 Note Addition | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. Also provides customer-related information for display on the second line of the screen. |

| Customer Exit Locations and Options | | | |
|--|--|--------------------|--|
| User Exit | Function | Option Code | Purpose |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Note Addition</i> screen. |
| | DC01 Document List | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Document List</i> screen. Exit will also obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| | DC02 Document Copy/Move | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be displayed. |
| | | 2 | The exit can change folder information if AIS+ is directed to create a folder. |
| | DC04 Document History | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Document History</i> screen. |
| | DC05 Document Modify | 1 | Provides customer-related information for display on the second line of the <i>AIS+ Document Modify</i> screen. |
| | DC05 Document Modify (Route Document) | 1 | Provides the customer-related information for display on the second line of the <i>AIS+ Document Modify</i> screen. When rerouting a document this user exit will also be called to obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| | DC06 Document Index and Scan (Document Routed) | 0 | Accepts or rejects access to the folder ID entered by the user. Modifies the folder ID of the folder to be updated. Also provides customer-related information for display on the second line of the screen. |
| | | 1 | Provides the customer-related information for display on the second line of the <i>AIS+ Document Index and Scan</i> screen. When rerouting a document this user exit will also be called to obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| | DC06 Document Index and Scan (Document Stored but not Routed) | 3 | Modifies any of the information for the document that is to be added. Provides the customer-related information for display on the second line of the <i>AIS+ Document Index and Scan</i> screen. |
| | DC06 Document Index and Scan (Document Stored and Routed) | 4 | Provides the customer-related information for display on the <i>AIS+ Document Index and Scan</i> screen. Changes the document and routing information. |

| Customer Exit Locations and Options | | | |
|--|--|--------------------|--|
| User Exit | Function | Option Code | Purpose |
| | DC06 Document Index and Scan | 5 | This exit will direct AIS+ to create a folder if one does not exist. |
| | DC08 Scan Pending Display | 1 | Provides the customer-related information for display on the second line of the <i>AIS+ Document Index and Scan</i> screen. When rerouting a document this user exit will also be called to obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| | WM01 Work With Queued Items | 1 | Provides the customer-related information for display on the second line of the <i>AIS+ Work With Queued Items</i> screen. When rerouting a document this user exit will also be called to obtain the user parameter 1 and user parameter 2 fields to determine the unit code and route code. |
| | WM02 Queue Information | 0 | If a folder ID is entered, the exit will accept or reject access to the folder ID. Also optionally, the exit modifies the folder ID of the folder to be displayed. |
| AIEX002P Validate Data | FD01 Folder Addition | 1 | Accepts or rejects the data entered by the user before a new folder is created. |
| | FD06 Folder Update | 2 | Accepts or rejects the data entered by the user for update. |
| | DC02 Document Copy/Move | 5 | Accepts or rejects information about the document that is copied or moved. |
| | DC05 Document Modify (Update Document Info.) | 4 | Accepts or rejects information that is to be updated for a document. |
| | DC05 Document Modify (Move Pages) | 3 | Accepts or rejects information about the new document that is created as a result of moving pages from an existing document. |
| | DC06 Document Index and Scan | 1 | Accepts or rejects data entered by the user before a new folder is created. |
| | DC06 Document Index and Scan (Document Stored but not Routed) | 3 | Accepts or rejects information about the document. |

| Customer Exit Locations and Options | | | |
|--|--|--------------------|--|
| User Exit | Function | Option Code | Purpose |
| | DC06 Document Index and Scan (Document Stored and Routed) | 5 | Accepts or rejects information about the new document that is added and routed. |
| AIEX003P Routing Exit | DC01 Document List (Reroute) | None | Changes the routing information of a document before placing the document in the routing queue. |
| | DC01 Document List (Send Work) | None | Changes the routing information of a document before placing the document in the routing queue. |
| | DC05 Document Modify (Route Document) | None | Changes the routing information of a document before placing the document in the routing queue. |
| | DC06/RT01 Document Index and Scan | None | Changes any of the routing information before placing the document in the routing queue. AIS+ calls the routing data exit after the document is scanned. |
| | WM01 Work With Queued Items (Reroute) | None | Changes the routing information of a document before placing the document in the routing queue. |
| AIEX004P Storage Management | DC05 Document Modify (Move Pages) | None | When moving pages from one folder to another, this exit is invoked to provide storage management parameters for the new document. |
| | DC06 Document Index and Scan | None | Provides the collection name and the storage management values of the document. AIS+ uses this information to store the document. |
| AIEX005P Security Exit | SO01 Sign On | None | Allows or disallows user to signon to AIS+. This exit can be used to verify ACF2 and RACF user authority. If exit allows sign-on, the Security exit program will check the <i>AIS+ Operator Profile</i> table to verify the user is a valid AIS+ user. |
| | SO02 Sign Off | None | Allows or disallows the user to sign off to AIS+. |
| AIEX013P Event Format | DC01 Document List | None | Provides ability to log events associated with document usage. |
| | DC02 Document Copy/Move | None | Provides ability to log events associated with document usage. |

| Customer Exit Locations and Options | | | |
|--|-----------------------------------|--------------------|---|
| User Exit | Function | Option Code | Purpose |
| | DC03 Document Delete/Undelete | None | Provides ability to log events associated with document usage. |
| | DC05 Document Modify | None | Provides ability to log events associated with document usage. |
| | DC06 Document Index & Scan | None | Provides ability to log events associated with document usage. |
| | RT01 Document Register & Route | None | Provides ability to log events associated with document usage. |
| AIEX015P Prefetch Exit | DC01 Document list | 1 | Allow or disallow view, print, or host print at the object level request. |
| | FD02 Folder Index | 3 | Allow or disallow host point request at the folder level. |
| | FD03 Folder ID | 3 | Allow or disallow host print request at the folder level |
| | FD04 Folder Tab | 2 | Allow or disallow host print request at the folder tab level. |
| | WM01 Work with Queued Items | 1 | Allow or disallow view print or host print request at the object level. |
| | WM02 Queue List | 1 | Allow or disallow view request at the object level. |
| AIEX016P Field Edit Exit | DC06 Document Index and Scan | None | Allow editing of the secondary indexes based on the edit numbers, before the folder is created. |
| | FD01 Folder Addition | None | Allow editing of the secondary indexes based on the edit numbers, before the folder is created. |
| | FD06 Folder Update | None | Allow editing of the secondary indexes based on the edit numbers, before the folder information is updated. |
| AIEX017P Delete Object Exit | DC03 Document Delete | 1 | Determine whether a document is to be deleted logically or physically. |

| Customer Exit Locations and Options | | | |
|--|-----------------|--------------------|--|
| User Exit | Function | Option Code | Purpose |
| AEIX018P | SA01 | 1 | Allow or disallow operator Inquiry. |
| | | 2 | Allow or disallow operator add. |
| | | 3 | Allow or disallow operator update. |
| | | 4 | Allow or disallow operator delete. |
| | SA06 | 5 | Allow or disallow operator copy. |
| | SA02 | 7 | Allow or disallow operator assignment. |
| | SA14 | 6 | Allow or disallow group assignment. |

| On-line Function Codes | |
|---|----------------------|
| Function | Function Code |
| Add Folder | 01 |
| Update Folder Information | 02 |
| List Folders | 04 |
| Add Folder Note | 11 |
| List Folder Notes | 12 |
| Document History Display | 33 |
| Document Move | 34 |
| Document Copy | 36 |
| Add and Route Document This function code is also used for the indexing workstation interface. | 51 |
| Add and Route Document. The routing information changed. | 52 |
| Get Work | 53 |
| Reroute Document | 57 |

Appendix C: AIS+ DB2 Architecture

AIS+ Database Information

All AIS+ information is maintained in a series of IBM DB2 tables. Each table resides in its own tablespace and, in turn, all tablespaces reside under one database.

There are seventeen (17) AIS+ tables and five (5) views of FAF/API tables used by AIS+ EE software that aid in configuring and administering information utilized by the applications running within AIS+. These tables and views are in addition to the IBM FAF, IBM IODM, and IBM OAM DB2 tables used by the respective products. AIS+ supports the tablesets for the following IBM FAF tables: EYPTOBJT, EYPTFOLD, EYPTSNDX, EYPTNOTE, EYPTVERS, EYPTVNT AND EYPTONAM. Please refer to the appropriate IBM product manual for further information relative to the IBM DB2 tables.

| Description | Table Name |
|---|--------------------------|
| Profile for each application used within AIS+. | AISAPPL |
| Collection name assignment per form used by application. | AISCOLL |
| Profile for each form used by application. | AISDCMT |
| Log maintained for document and folder deletions. | AISDLOG |
| Delete reason codes used when deleting a document or folder. | AISDRSN |
| Default tab within a folder used by document when initially entering application. | AISDTAB |
| Profile for each folder used by application. | AISFLDR |
| Operator Group Assignments | AISGOPR |
| Profile for each group used by the application. | AISGRUP |
| All messages used within application. | AISMSGs |
| Operator queue assignments. | AISOPAS view of EYPTWEAS |
| Profile for each operator using an application. | AISOPPF |
| Host print detail of each object requested for print | AISPRTDT |
| Host print status for each request made by an operator | AISPRTRQ |
| Error recovery/restart table. | AISRCOV |
| Routing-line-of-business/transaction type routing information. | AISRLTT view of EYPTWRTT |
| Operator statistics for each operator within a unit | AISSTATS |
| Tabs associated for a folder type. | AISTABS |
| CICS transactions for AIS+. | AISTRAN |
| Units used in routing. | AISUNIT view of EYPTWUNT |
| Unit/Route Code combinations used in routing. | AISUNRC view of EYPTWURC |
| Work detail table. | AISWORK view of EYPTWDET |

The following pages will present information regarding the DB2 architecture associated with AIS+.

AIS+ DB2 Plan X-Ref

The following information displays cross reference association of the AIS+ DB2 plans and their AIS+ members, and by individual members, the plans they exist in.

| Plan | Member |
|------|---|
| DC01 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 WM02 |
| DC02 | DC01 DC02 DC03 DC04 DC05 HP01 WM01 WM02 |
| DC03 | DC01 DC02 DC03 DC04 DC05 HP01 WM01 |
| DC04 | DC01 DC02 DC03 DC04 DC05 HP01 WM01 WM02 |
| DC05 | DC01 DC02 DC03 DC04 DC05 HP01 WM01 WM02 |
| DC06 | DC06 |
| DC08 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 WM02 |
| FD01 | FD01 |
| FD02 | FD02 HP01 |
| FD03 | FD03 HP01 |
| FD04 | FD04 HP01 |
| FD05 | FD05 HP01 |
| FD06 | FD06 |
| HP01 | DC01 DC02 DC03 DC04 DC05 FD02 FD03 FD04 HP01 WM01 |
| LB01 | LB01 LB02 |
| LB02 | LB02 |
| MN01 | MN01 |
| MN02 | MN02 UT04 UT06 |
| MN03 | MN03 SA10 SA11 SA12 UT02 UT03 UT04 UT06 UT07 UT08 |
| NT01 | NT01 NT02 NT04 NT05 |
| NT02 | NT02 NT01 |
| NT03 | NT03 |
| NT04 | NT04 |
| NT05 | NT05 |
| RT01 | RT01 |
| RT02 | RT02 |
| SA01 | SA01 |
| SA02 | SA02 |
| SA03 | SA03 |
| SA04 | SA04 |

| Plan | Member |
|-------------|---------------|
| SA05 | SA05 |
| SA06 | SA06 |

| Plan | Member |
|-------------|-------------------------------|
| SA09 | SA09 |
| SA10 | SA10 |
| SA11 | SA11 |
| SA12 | SA12 |
| SA13 | SA13 |
| SA14 | SA14 |
| SO01 | MN01 SO01 |
| TR01 | TR01 |
| UT02 | UT02 |
| UT03 | UT03 |
| UT04 | UT04 |
| UT05 | UT05 |
| UT06 | UT06 |
| UT07 | UT07 |
| UT08 | UT08 |
| WM01 | DC02 DC03 DC04 DC05 HP01 WM01 |
| WM02 | DC01 DC02 DC04 DC05 WM02 |
| WM03 | WM03 |
| WM04 | WM04 |

| Member | Plan |
|---------------|---|
| DC01 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM02 |
| DC02 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 WM02 |
| DC03 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 |
| DC04 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 WM02 |
| DC05 | DC01 DC02 DC03 DC04 DC05 DC08 HP01 WM01 WM02 |
| DC06 | DC06 |
| DC08 | DC01 DC08 |
| FD01 | FD01 |
| FD02 | FD02 HP01 |
| FD03 | FD03 HP01 |
| FD04 | FD04 HP01 |
| FD05 | FD05 |
| FD06 | FD06 |
| HP01 | DC01 DC02 DC03 DC04 DC05 FD02 FD03 FD04 HP01 WM01 |
| MN01 | MN01 SO01 |
| MN02 | MN02 |
| MN03 | MN03 |
| NT01 | NT01 NT05 |
| NT02 | NT01 NT02 |
| NT03 | NT03 |
| NT04 | NT01 NT04 |
| NT05 | NT01 NT05 |
| RT01 | RT01 |
| RT02 | RT02 |
| SA01 | SA01 |
| SA02 | SA02 |
| SA03 | SA03 |
| SA04 | SA04 |
| SA05 | SA05 |
| SA06 | SA06 |
| SA09 | SA09 |

| Member | Plan |
|---------------|-------------------------------|
| SA10 | MN03 SA10 |
| SA11 | MN03 SA11 |
| SA12 | MN03 SA12 |
| SA13 | SA13 |
| SA14 | SA14 |
| SO01 | SO01 |
| TR01 | TR01 |
| UT02 | MN03 UT02 |
| UT03 | MN03 UT03 |
| UT04 | MN02 MN03 UT04 |
| UT05 | UT05 |
| UT06 | MN02 MN03 UT06 |
| UT07 | MN03 UT07 |
| UT08 | MN03 UT08 |
| WM01 | DC02 DC03 DC04 DC05 HP01 WM01 |
| WM02 | DC02 DC04 DC05 WM02 |
| WM03 | WM03 |
| WM04 | WM04 |

AIS+ DB2 Table X-Ref

The following information displays cross reference usage of the AIS+ DB2 tables by program, and by program, table usage.

| AIS+ Table | Programs Using As Read-Only | Programs Performing Modifications |
|------------|---|---------------------------------------|
| AISAPPL | DC02 DC03 DC06 MN01 RT01 SA01 SA02 SA06 SO01 | SA05 SA09 SA13 |
| AISCOLL | DC05 DC06 | SA03 |
| AISDCMT | DC01 DC05 DC06 UT03 RT01 WM02 | SA03 |
| AISDLOG | | DC02 DC03 FD05 |
| AISDRSN | DC02 DC03 FD05 | |
| AISDTAB | DC05 DC06 | SA03 |
| AISFLDR | DC01 DC04 DC05 DC06 FD01 FD02 FD03 FD04 FD05 FD06 HP01 NT01 NT05 SA01 SA03 SA06 UT04 WM01 WM02 | SA04 |
| AISGOPR | DC01 WM01 WM02 | SA01 SA06 SA09 SA14 |
| AISGRUP | DC01 WM01 WM02 | SA03 SA09 SA14 |
| AISRCOV | | UT05 |
| AISMSGs | DC01 DC02 DC03 DC04 DC05 DC06 FD01 FD02 FD03 FD04 FD05 FD06 HP01 MN01 MN02 MN03 NT01 NT02 NT03 NT04 NT05 RT01 SA01 SA02 SA03 SA04 SA05 SA06 SA09 SA10 SA11 SA12 SA13 SA14 SO01 TR01 UT02 UT03 UT04 UT06 UT07 UT08 WM01 WM02 WM03 WM04 | |
| AISOPAS | | DC01 SA02 WM01 WM02 |
| AISOPPF | DC01 DC06 FD01 FD02 FD03 FD04 FD05 FD06 HP01 MN01 MN02 MN03 NT01 NT03 SA03 SA04 SA05 SA10 SA11 SA12 SA13 SA14 SO01 UT02 WM01 WM02 WM03 WM04 | SA01 SA02 SA06 SA09 |
| AISPRTDT | | HP01 |
| AISPRTRQ | | HP01 |
| AISRLTT | DC01 DC05 DC06 RT01 SA03 UT08 WM01 | SA12 |
| AISTABS | DC01 DC06 FD04 SA03 WM01 WM02 | SA04 |
| AISTRAN | DC01 DC06 FD01 FD02 FD03 FD04 FD05 FD06 HP01 MN01 MN02 MN03 NT01 NT03 SA01 SA02 SA03 SA04 SA05 SA06 SA10 SA11 SA12 SA13 SA14 SO01 WM01 WM02 WM03 WM04 | |
| AISUNIT | DC01 DC05 DC06 SA11 SA12 UT06 WM01 WM02 WM03 | SA10 |
| AISUNRC | DC01 DC05 DC06 SA02 SA12 UT07 WM01 WM02 | SA11 |
| AISWORK | DC01 DC04 SA02 WM03 | DC02 DC03 DC05 RT01 UT05 WM01 WM02 |

| FAF Table | Programs Using As Read-Only | Programs Performing Modifications |
|------------------|--|--|
| EYPTCOLL | DC08 HP01 SA03 | |
| EYPTTELOG | | RT01 RT02 UT05 |
| EYPTVNTxx | DC04 WM04 | |
| EYPTFOLDxx | DC01 DC06 FD02 FD03 NT05 WM02 | |
| EYPTMODI | | WM01 |
| EYPTNOTExx | FD02 FD03 FD04 NT01 | |
| EYPTONAMxx | HP01 | |
| EYPTOBTxx | DC01 DC02 DC04 DC05 FD02 FD03 FD04 HP01 WM02 | DC03 WM01 |
| EYPTSCAN | DC01 | DC08 |
| EYPTSNDXxx | DC01 DC06 FD02 FD03 FD04 FD06 | |
| EYPTSPAC | | SA09 |
| EYPTSYMB | SA09 | |
| EYPTVERSxx | DC01 | |

| IODM Table | Programs Using As Read-Only | Programs Performing Modifications |
|-------------------|------------------------------------|--|
| IDFMSXTB | SO01 | |
| IDWKCFTB | SO01 | |
| SDSTCTTB | | DC08 |

| OAM Table | Programs Using As Read-Only |
|------------------|------------------------------------|
| OAMMGT | SA03 |
| OAMSTO | SA03 |

| Program | Tables In Read-Only | Tables Being Modified |
|---------|---|-----------------------------|
| DC01 | DCMT FLDR GOPR MSGS OPPF RLTT TABS TRAN UNIT UNRC EYPTFOLDxx EYPTOBJTxx EYPTSCAN EYPTSNDXxx EYPTVERSxx | OPAS WORK |
| DC02 | APPL DRSN MSGS EYPTOBJTxx | DLOG WORK |
| DC03 | APPL DRSN MSGS | DLOG WORK EYPTOBJTxx |
| DC04 | FLDR MSGS WORK EYPTVENTxx EYPTOBJTxx | |
| DC05 | COLL DCMT FLDR RLTT UNIT UNRC EYPTOBJTxx DTAB | WORK |
| DC06 | COLL DCMT DTAB FLDR MSGS RLTT TABS TRAN UNIT UNRC EYPTFOLDxx EYPTSNDXxx | |
| DC08 | | SCAN SDSTCTTB |
| FD01 | FLDR MSGS OPPF TRAN | |
| FD02 | FLDR MSGS OPPF TRAN EYPTFOLDxx EYPTOBJTxx EYPTNOTExx EYPTSNDXxx | |
| FD03 | FLDR MSGS OPPF TRAN EYPTFOLDxx EYPTOBJTxx EYPTNOTExx EYPTSNDXxx | |
| FD04 | FLDR MSGS OPPF TABS TRAN EYPTOBJTxx EYPTNOTExx EYPTSNDXxx | |
| FD05 | DRSN FLDR MSGS OPPF TRAN | DLOG |
| FD06 | FLDR MSGS OPPF TRAN EYPTSNDXxx | |
| HP01 | FLDR MSGS OPPF TRAN EYPTCOLLxx EYPTOBJTxx EYPTONAMxx | PRTDT PRTRQ |
| MN01 | APPL MSGS OPPF TRAN | |
| MN02 | MSGS OPPF TRAN | |
| MN03 | MSGS OPPF TRAN | |
| NT01 | FLDR MSGS OPPF TRAN EYPTNOTExx | |

| Program | Tables In Read-Only | Tables Being Modified |
|----------------|--|---------------------------------|
| NT02 | MSGS | |
| NT03 | MSGS OPPF TRAN | |
| NT04 | MSGS | |
| NT05 | FLDR MSGS EYPTFOLDxx | |
| RT01 | APPL DCMT MSGS RLTT | WORK EYPTTELOG |
| RT02 | | EYPTTELOG |
| SA01 | APPL FLDR MSGS TRAN | GOPR OPPF |
| SA02 | APPL MSGS TRAN UNRC WORK | OPAS OPPF |
| SA03 | FLDR MSGS OPPF RLTT TABS TRAN EYPTCOLL OAMMGT OAMSTO | COLL DCMT DTAB GRUP |
| SA04 | MSGS OPPF TRAN | FLDR TABS |
| SA05 | MSGS OPPF TRAN OAMCOLL | APPL |
| SA06 | APPL FLDR MSGS TRAN | GOPR OPPF |
| SA09 | MSGS EYPTSYMB OAMCOLL | APPL GOPR GRUP OPPF EYPTSPAC |
| SA10 | MSGS OPPF TRAN | UNIT |
| SA11 | OPPF MSGS TRAN UNIT | UNRC |
| SA12 | MSGS OPPF UNIT UNRC TRAN | RLTT |
| SA13 | MSGS OPPF TRAN | APPL |
| SA14 | MSGS OPPF TRAN | GOPR GRUP |
| SO01 | APPL MSGS OPPF TRAN IDFMSXTB IDWKCFB | |
| TR01 | MSGS | |
| UT02 | MSGS OPPF | |
| UT03 | DCMT MSGS | |
| UT04 | FLDR MSGS | |
| UT05 | | RCOV WORK EYPTTELOG |

| Program | Tables In Read-Only | Tables Being Modified |
|----------------|--|----------------------------------|
| UT06 | MSGs UNIT | |
| UT07 | MSGs UNRC | |
| UT08 | MSGs RLTT | |
| WM01 | FLDR GOPR MSGs OPPF RLTT TABS TRAN UNIT UNRC | OPAS WORK EYPTMODI EYPTOBJTxx |
| WM02 | DCMT FLDR GOPR MSGs OPPF TABS TRAN UNIT UNRC EYPTFOLDxx EYPTOBJTxx | OPAS WORK |
| WM03 | MSGs OPPF TRAN UNIT WORK | |
| WM04 | MSGs OPPF TRAN EYPTVNTxx | |

AIS+ DB2 Space Requirements

The space required for AIS+ is relatively small compared to the enormous space necessary to maintain the IBM FAF DB2 tables. This section is intended only to give a snapshot of a default base implementation. If your shop has requirements that differ from the assumptions, then you will need to adjust the sizes and free space utilization accordingly. But, for the most part, your application should easily fit within the guidelines provided.

| Table | Lgth | Rows/ Page | % Free | Free Page | PRIQTY (PAGES) | SEC QTY | Contents Within Primary Quantity |
|----------|------|---------------|-----------|--------------|-------------------|------------|--|
| AISAPPL | 266 | 16 | 0 | 0 | 12 (3) | 0 | 15 Application Profiles |
| AISCOLL | 90 | 45 | 0 | 0 | 12 (3) | 00 | 45 Collection/Form Combinations (Only used when a form has a specific collection name associated with it) |
| AISDCMT | 146 | 28 | 0 | 0 | 12 (3) | 0 | 28 Document Profiles (One profile per document type used) |
| AISDLOG | 207 | 28 (22) | 20 | 0 | 168 (42) | 0 | 880 Entries |
| AISDRSN | 29 | 127 | 0 | 0 | 12 (3) | 0 | 127 Reasons (Only 54 needed per application) |
| AISDTAB | 46 | 88 | 0 | 0 | 12 (3) | 0 | 88 Document/Folder Tab Default Combinations (A document can only have one default tab) |
| AISFLDR | 259 | 15 | 0 | 0 | 12 (3) | 0 | 15 Folder Profiles (One profile per folder type used) |
| AISGOPR | 20 | 114 | 10 | 10 | 20(5) | 10 | 250 Operator Group Assignments. |
| AISGRUP | 20 | 127 | 0 | 0 | 12(3) | 0 | 127 Group Profiles. |
| AISMSGs | 88 | 46 | 0 | 0 | 48 (12) | 0 | 460 Messages (400 AIS+ & 60 User) |
| AISOPAS | 31 | 127(101) | 20 | 0 | 12 (3) | 0 | 127 Operator Assignments |
| AISOPPF | 109 | 42 (33) | 20 | 0 | 48 (12) | 0 | 330 Operator Profiles |
| AISPRTDT | 179 | 23 (20) | 10 | 10 | 2208 (552) | 1104 | 10,000 Host Print Detail Entries |
| AISPRTRQ | 271 | 15 (13) | 10 | 0 | 620 (155) | 310 | 2,000 Host Print Requests |
| AISRCOV | 4055 | 1 | 0 | 0 | 48 (12) | 0 | 10 Entries |
| AISRLTT | 88 | 45 | 0 | 0 | 12 (3) | 0 | 45 RLOB/Transaction Type Combinations |
| AISSTATS | 100 | 36 | 10 | 0 | 5508(1127) | 2754 | Activity Statistics for 50,000 Operator/Unit combinations. |

| Table | Lgth | Rows/ Page | % Free | Free Page | PRIQTY (PAGES) | SEC QTY | Contents Within Primary Quantity |
|---------|------|---------------|-----------|--------------|-------------------|------------|--|
| AISTABS | 34 | 119 | 0 | 0 | 12 (3) | 0 | 119 Folder Tabs (A folder can have multiple tabs) |
| AISTRAN | 19 | 127 | 0 | 0 | 12 (3) | 0 | 127 CICS Transaction IDs (AIS+ currently only uses about 50 per application) |
| AISUNIT | 42 | 97 | 0 | 0 | 12 (3) | 0 | 97 Routing Units |
| AISUNRC | 98 | 41 | 0 | 0 | 12 (3) | 0 | 41 Routing Queues (Routing Unit/Routing Code Combinations) |
| AISWORK | 210 | 21 (16) | 20 | 5 | 3608 (902) | 1804 | 12,000 Entries |

| Index | Key Lgth | Rows Leaf Page | Rows Non- Leaf | % Free | Free Page | Sub- page | PRIQTY (PAGES) | SEC QTY | Contents Within Primary Quantity |
|---------|-------------|----------------------|----------------------|-----------|--------------|--------------|-------------------|------------|---|
| AISAPPL | 2 | 673 | 449 | 0 | 0 | N/A | 12 (1) | 0 | 15 Application Profiles |
| AISCOLL | 20 | 168 | 176 | 0 | 0 | N/A | 12 (1) | 0 | 45 Collection/Form Combinations (Only used when a form has a specific collection name associated with it) |
| AISDCMT | 4 | 506 | 579 | 0 | 0 | N/A | 12 (1) | 0 | 28 Document Profiles (One profile per document type used) |
| | 18 | 184 | 193 | 0 | 0 | | 12 (1) | 0 | |
| AISDLOG | 41 | 64 | 74 | 20 | 0 | N/A | 68 (15) | 0 | 880 Entries |
| AISDRSN | 5 | 450 | 506 | 0 | 0 | N/A | 12 (1) | 0 | 127 Reasons (Only 54 needed per application) |
| AISDTAB | 20 | 168 | 176 | 0 | 0 | N/A | 12 (1) | 0 | 88 Document/Folder Tab Default Combinations (A document can only have one default tab) |
| AISFLDR | 4 | 506 | 579 | 0 | 0 | N/A | 12 (1) | 0 | 15 Folder Profiles (One profile per folder type used) |
| | 4 | 506 | 579 | 0 | 0 | | 12 (1) | 0 | |
| AISGOPR | 12 | 227 | 243 | 10 | 10 | N/A | 20 | 0 | 250 Operator Group Assignments |
| | 10 | 302 | 281 | 10 | 10 | | 16 | 0 | |

| Index | Key Lgth | Rows Leaf Page | Rows Non-Leaf | % Free | Free Page | Sub-page | PRIQTY (PAGES) | SEC QTY | Contents Within Primary Quantity |
|----------|----------|----------------|---------------|--------|-----------|----------|----------------|---------|--|
| AISGRUP | 4 | 506 | 571 | 10 | 10 | N/A | 12 | 0 | 127 Group Profiles |
| AISMSG | 8 | 337 | 368 | 0 | 0 | N/A | 20 (3) | 0 | 460 Messages (400 AIS+ & 60 User) |
| AISOPAS | 20 | 128 | 141 | 20 | 0 | N/A | 12 (1) | 0 | 127 Operator Assignments |
| | 22 | 116 | 130 | 20 | 0 | | 12 (1) | 0 | |
| AISOPPF | 10 | 260 | 281 | 10 | 0 | N/A | 20 (3) | 0 | 330 Operator Profiles |
| AISPRTDT | 18 | 160 | 174 | 10 | 0 | N/A | 268 (65) | 134 | 10,000 Host Print Detail Entries |
| AISPRTRQ | 18 | 160 | 174 | 10 | 0 | N/A | 68 (15) | 34 | 2,000 Host Print Requests |
| AISRCOV | 24 | 144 | 150 | 0 | 0 | N/A | 12 (1) | 0 | 10 Entries |
| AISRLTT | 18 | 184 | 193 | 0 | 0 | N/A | 12 (1) | 0 | 45 RLOB/Transaction Type Combinations |
| AISSTATS | 21 | 144 | 150 | 10 | 0 | N/A | 1408(352) | 704 | 50,000 entries |
| AISTABS | 6 | 405 | 450 | 0 | 0 | N/A | 12 (1) | 0 | 119 Folder Tabs (A folder can have multiple tabs) |
| | 6 | 405 | 450 | 0 | 0 | | 12 (1) | 0 | |
| AISTRAN | 6 | 405 | 450 | 0 | 0 | N/A | 12 (1) | 0 | 127 CICS Transaction IDs (AIS+ currently only uses about 50 per application) |
| | 6 | 405 | 450 | 0 | 0 | | 12 (1) | 0 | |
| AISUNIT | 12 | 253 | 270 | 0 | 0 | N/A | 12 (1) | 0 | 97 Routing Units |
| AISUNRC | 12 | 253 | 270 | 0 | 0 | N/A | 12 (1) | 0 | 41 Routing Queues (Routing Unit/Routing Code Combinations) |
| AISWORK | 26 | 100 | 111 | 20 | 0 | N/A | 500(123) | 250 | 12,000 Entries |
| | 20 | 128 | 141 | 20 | 0 | | 388(94) | 194 | |
| | 33 | 20 | 23 | 80 | 0 | | 2528(630) | 1264 | |

AISAPPL - Application Profile

Each application that will function within the AIS+ software must have an entry within the AIS+ AISAPPL table. An entry represents the characteristics, or profile, the application will be governed by while executing under AIS+.

The initial propagation of this table is accomplished through the use of the *AIS+ Initial Application Profile Creation* function ([AIS+ EE System Administration Manual](#)), and can be modified using either the *AIS+ Application Profile (1)* or the *AIS+ Application Profile (2)* functions ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Application Profile table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSAP | |
| Table | AISAPPL | |
| Index | AISIXAP1 | |

Insertions and modifications to the table are extremely infrequent. A single unique index is supplied, but not required, that uses the application ID in ascending order.

Each AISAPPL entry has a length of 266 bytes, 258 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 2 bytes.

AISAPPL utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" though most shops will utilize "any". Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

The below information utilizes the space calculations as prescribed in the IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data.

The AISAPPL table space calculation is as follows:

usable page size = (page size - 22) * ((100 - pctfree)/100)
 records per page = FLOOR(usable page size/(record size + overhead))
 pages used = 2 + CEILING(number of rows/records per page)
 total pages = FLOOR(pages used * ((1 + freepage)/freepage))
 estimated kilobytes = total pages * 4
 where: pages size = 4k pctfree = 0
 data size = 258 overhead = 8
 freepage = 0

usable page size = (4096 - 22) * ((100 - 0) / 100) = 4074
 records per page = FLOOR(4074 / (258 + 8)) = 15

A single data page can carry a maximum of 15 application rows. Since this is more than enough to get started, we will use 15 as the "number of rows" in calculating space. Also note that when "freepage" is zero (0), the total pages is equal to the pages used.

pages used = 2 + CEILING(15 / 15) = 3
 total pages = FLOOR(3 * ((1 + 0) / 0)) = 3
 est. kilobytes = 3 * 4 = 12

Though an index is really not required for a single page data space, the following calculation illustrates the size required if used.

available space = (100 - pctfree) / 100
 entries per leaf page = FLOOR(available space * 4038 / (key length + 4))
 entries per non-leaf page = FLOOR(MAX(90, (available space * 4046)) / (key length + 7))
 number of leaf pages = CEILING(number of table rows / entries per leaf)
 number of non-leaf pages = CEILING(number of leaf pages / entries per non-leaf page)
 total index pages = number of leaf pages + number of non-leaf pages
 estimated kilobytes = 4 * (total index pages + 2)
 where: pctfree=0 key length = 2
 available space = (100 - 0) / 100 = 1
 entries per leaf page = FLOOR(1 * 4038 / (2 + 4)) = 673
 entries per non-leaf page = FLOOR(MAX(90, (1 * 4046)) / (2 + 7)) = 449
 number of leaf pages = CEILING(15 / 673) = 1
 number of non-leaf pages = CEILING(1 / 449) = 0
 None used when leaf page = 1
 total index pages = 1 + 0 = 1
 estimated kilobytes = 4 * (1 + 2) = 12

This estimated index size will allow for an approximate 673 applications.

The following tables reflect the aforementioned DB2 options required to build AIS+ AISAPPL.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined application profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. APPL_ID (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined application profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISAPPL data row:

| Column | Type & Length | Key | Description |
|------------------|-------------------|------|--|
| APPL_ID | Char (2) NNWD | 1:1A | The value used on screen displays to identify the application in use. |
| APPL_ID_CD | SMALLINT NNWD | | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| APPL_DESC | Char (20) NNWD | | Application description displayed on application menu after signon. |
| APPL_DT_DISP_FMT | Char (1) NNWD | | The format of dates passed to the exits. 1 - MM/DD/YYYY 5 - DD-MM-YYYY 2 - DD/MM/YYYY 6 - DD MM YYYY 3 - DD.MM.YYYY 4 - YYYY-MM-DD |
| APPL_DT_ENT_FMT | Char (1) NNWD | | The format of dates passed to the exits. 1 - MM/DD/YYYY 5 - DD-MM-YYYY 2 - DD/MM/YYYY 6 - DD MM YYYY 3 - DD.MM.YYYY 4 - YYYY-MM-DD |
| APPL_TM_DISP_FMT | Char (1) NNWD | | The time format that will be displayed on AIS+ screens. 1 - 12 hour (AM/PM) 2 - 24 hour (00:00 to 23:59) |
| APPL_TM_ENT_FMT | Char (1) NNWD | | The time format to be entered on AIS+ screens. 1 - 12 hour (AM/PM) 2 - 24 hour (00:00 to 23:59) |
| APPL_SCREEN_TITL | Char (20) NNWD | | Application description used on batch reports |
| APPL_SYSADM_ID | Char (8) NNWD | | The application System Administrator ID. |
| APPL_SYSADM_PW | Char (8) NNWD | | The password associated with the system administrator |
| APPL_TMPID_TYP | Char (1) NNWD | | The type of temporary ID generated for those functions requiring the use of one in communicating with IODM. 1 - Folder ID 2 - Folder ID + 3 random digit suffix 3 - 6 random digits 4 - TEMP ID PREFIX + 6 random digit suffix |

| Column | Type & Length | Key | Description |
|-------------------|-------------------|-----|---|
| APPL_TMPID_PREX | Char (1) NNWD | | Temporary ID prefix used when temporary ID type is set to 4. |
| APPL_CRTEBSITE | Char (4) NNWD | | The IODM CICS region from which objects are initially entered (created) into ImagePlus. |
| APPL_COLLNAME | Char (44) NNWD | | Default collection name used by documents when one is not specifically assigned to a document's profile. |
| APPL_DLTE_IND | Char (1) NNWD | | Type of document deletion to be used by the application. P - Physical (currently not available) L - Logical |
| APPL_FLDR_PREX | Char (1) NNWD | | The indicator whether folder IDs will contain the folder type as the first two positions of the folder IDs. N - No, the folder type is not part of the folder ID Y - Yes, the folder type is part of the folder ID |
| APPL_MAXNUMDY | SMALLINT NNWD | | This value is added to the document receive date in establishing a 'deadline' for which the document needs to be processed. Priority escalation will occur the closer the document gets to this 'deadline' if it has yet to be processed in its current routing scenario. |
| APPL_EVNT_FLAG_01 | Char (1) NNWD | | Indicator whether or not to log Store Events. A Store Event represents the physical storing of an object within OAM. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_02 | Char (1) NNWD | | Indicator whether or not to log Store & Route Events. A Store & Route Event represents the physical storing of an object within OAM, and also placing the item in a routing scenario. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_03 | Char (1) NNWD | | Indicator whether or not to log Move Events. A Move Event represents the moving of a document and its associated information from one folder to another. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_04 | Char (1) NNWD | | Indicator whether or not to log Copy Events. A Copy Event represents the copying of a document from one folder to another. N - Don't Log Y - Log |

| Column | Type & Length | Key | Description |
|-------------------|------------------|-----|---|
| APPL_EVNT_FLAG_05 | Char (1) NNWD | | Indicator whether or not to log Index Events. An Index Event represents the generation of a temporary ID that authorizes the subsequent scanning of an object to be stored within OAM. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_06 | Char (1) NNWD | | Indicator whether or not to log Reassign Events. A Reassign Event represents the assignment of a document in routing that was previously assigned to another individual. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_07 | Char (1) NNWD | | Indicator whether or not to log Unassign Events. An Unassign Event represents the removal of the individual's ID that was specifically assigned to work the document. The document becomes part of the general pool of items to be processed in the routing scenario. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_08 | Char (1) NNWD | | Indicator whether or not to log Route Events. A Route Event represents the routing of a document to a scenario different than the one it currently resides within. This includes the initial placement of an existing document in routing. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_09 | Char (1) NNWD | | Indicator whether or not to log Hold Events. A Hold Event represents the placement of a document on hold until a specific date and time when it can be released for processing. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_10 | Char (1) NNWD | | Indicator whether or not to log Drop Events. A Drop Event represents the completion of a document in its routing scenario. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_11 | Char (1) NNWD | | Indicator whether or not to log Inprocess Events. An Inprocess Event represents the acquisition of a document by an individual that will now be worked by the individual. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_12 | Char (1) NNWD | | Indicator whether or not to log Return Events. A Return Event represents the sending of a document back to the individual that last accessed the document. N - Don't Log Y - Log |

| Column | Type & Length | Key | Description |
|-------------------|------------------|-----|--|
| APPL_EVNT_FLAG_13 | Char (1) NNWD | | Indicator whether or not to log Delete Events. A Delete Event represents the logical deletion of a document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_14 | Char (1) NNWD | | Indicator whether or not to log Undelete Events. An Undelete Event represents the activation (un-deleting) of a logically deleted document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_15 | Char (1) NNWD | | Indicator whether or not to log Merge Events. A Merge Event represents the merging of two documents to create a new one. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_16 | Char (1) NNWD | | Indicator whether or not to log Move Pages Events. A Move Pages Event represents the moving of select pages of a document to create a new document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_17 | Char (1) NNWD | | Indicator whether or not to log Modify Description Events. A Modify Description Event represents a modification to a document's description. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_18 | Char (1) NNWD | | Indicator whether or not to log Modify Form Name Events. A Modify Form Name Event represents the modification of the form profile (new form name) to which a document belongs. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_19 | Char (1) NNWD | | Indicator whether or not to log Modify Receive Date Events. A Modify Receive Date Event represents the modification of the document's receive date. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_20 | Char (1) NNWD | | Indicator whether or not to log Modify Security Class Events. A Modify Security Class Event represents the modification of the security class level the document now belongs. N - Don't Log Y - Log |

| Column | Type & Length | Key | Description |
|-------------------|--------------------------|------------|--|
| APPL_EVNT_FLAG_21 | Char (1) NNWD | | Indicator whether or not to log Modify Priority Events. A Modify Priority Event represents the manual modification of the document's priority level indicator. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_22 | Char (1) NNWD | | Indicator whether or not to log Modify Expiration Events. A Modify Expiration Event represents the modification of a document's expiration date -- the last day it will reside in routing. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_23 | Char (1) NNWD | | Indicator whether or not to log Replace Pages Events. A Replace Pages Event represents the physical replacing of pages within a document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_24 | Char (1) NNWD | | Indicator whether or not to log Reorder Pages Events. A Reorder Pages Event represents the physical rearrangement of pages within a document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_25 | Char (1) NNWD | | Indicator whether or not to log Insert Pages Events. An Insert Pages Event represents the physical insertion of a page into a document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_26 | Char (1) NNWD | | Indicator whether or not to log Delete Pages Events. A Delete Pages Event represents the physical deletion of page(s) within a document. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_27 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_28 | Char (1) NNWD | | Indicator whether or not to log Print Events. A Print Event represents the physical printing of a document from the system. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_29 | Char (1) NNWD | | Indicator whether or not to log View Events. A View Event represents the viewing of a document in the system. N - Don't Log Y - Log |

| Column | Type & Length | Key | Description |
|-------------------|------------------|-----|--|
| APPL_EVNT_FLAG_30 | Char (1) NNWD | | Indicator whether or not to log Offhold Events. An Offhold Event represents the manual removal of a hold date and time from a document so that it can be processed in its assigned routing scenario. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_31 | Char (1) NNWD | | Indicator whether or not to log Additional Comments. Additional comments can be logged as events without the need for any document modification or indexing requirements. These comments represent additional notes associated with the document and will also appear on the document's history log. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_32 | Char (1) NNWD | | Indicator whether or not to log Tab Description Changes. A Tab Description Event represents the modification of a tab description. N - Don't Log Y - Log |
| APPL_EVNT_FLAG_33 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_34 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_35 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_36 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_37 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_38 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_39 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_40 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_41 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_42 | Char (1) NNWD | | Not currently used |

| Column | Type & Length | Key | Description |
|-------------------|--------------------------|------------|--|
| APPL_EVNT_FLAG_43 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_44 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_45 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_46 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_47 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_48 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_49 | Char (1) NNWD | | Not currently used |
| APPL_EVNT_FLAG_50 | Char (1) NNWD | | Not currently used |
| APPL_HP_RQST_LBL1 | Char (8) NNWD | | The first of four default labels used by host printing to identify the requestor. |
| APPL_HP_RQST_LBL2 | Char (8) NNWD | | The second of four default labels used by host printing to identify the requestor. |
| APPL_HP_RQST_LBL3 | Char (8) NNWD | | The third of four default labels used by host printing to identify the requestor. |
| APPL_HP_RQST_LBL4 | Char (8) NNWD | | The last of four default labels used by host printing to identify the requestor. |
| APPL_HP_RCPT_LBL1 | Char (8) NNWD | | The first of four default labels used by host printing to identify the recipient. |
| APPL_HP_RCPT_LBL2 | Char (8) NNWD | | The second of four default labels used by host printing to identify the recipient. |
| APPL_HP_RCPT_LBL3 | Char (8) NNWD | | The third of four default labels used by host printing to identify the recipient. |
| APPL_HP_RCPT_LBL4 | Char (8) NNWD | | The last of four default labels used by host printing to identify the recipient. |
| APPL_DFLT_PRNTR | Char (8) NNWD | | The default JES printer to be used for host printing when a default has not been established for an individual through the operator profile. |

| Column | Type & Length | Key | Description |
|--------------------|------------------|-----|---|
| APPL_COPY_IND | Char (1) NNWD | | <p>The indicator to determine the type of document copying to be performed by the application.</p> <p>L – Logical (multiple folders pointing to one physical Image in OAM) -- currently the only option available.</p> <p>P - Physical (each folder has its own physical image in OAM) -- not currently used.</p> |
| APPL_DOC_LIST_FMT | Char (1) NNWD | | <p>The document description display format presented in the document list function.</p> <p>1 - 1 line of 30 characters</p> <p>2 - 2 lines of 30 characters (total 60)</p> |
| APPL_EXIT_SUFFIX | Char (1) NNWD | | <p>The suffix used when calling customer exit routines "a" thru "z" and 0 thru 9.</p> |
| APPL_MAP_SUFFIX | Char (1) NNWD | | <p>The suffix used for all mapset names "a" thru "Z" and 0 thru 9</p> |
| APPL_MAX_PRIORITY | Smallint NNWD | | <p>The maximum allowable priority for document aging. Minimum priority for document given 'maximum' priority status.</p> |
| APPL_SRT_WRK_QUE | Char (1) nnwd | | <p>Determines the sort order for the <i>AIS+ Work With Queued Items</i> screen, if the sort order in the operator profile defaults to application profile. The sort order can be:</p> <p>P - Sort by priority</p> <p>D - Sort by Object Description</p> |
| APPL_MAX_DFLT_FUTR | Smallint NNWD | | <p>The number of days added to the current date to calculate the end receive date for the <i>AIS+ List QUEUE</i> screen.</p> |
| APPL_INDX_1_SEARCH | Smallint NNWD | | <p>The minimum search length required when a wildcard search is done on the first secondary index and the folder type is blank, in the Folder List by Folder Type function.</p> |
| APPL_INDX_2_SEARCH | Smallint NNWD | | <p>The minimum search length required when a wildcard search is done on the second secondary index and the folder type is blank, in the Folder List by Folder Type function.</p> |
| APPL_INDX_3_SEARCH | Smallint NNWD | | <p>The minimum search length required when a wildcard search is done on the third secondary index and the folder type is blank, in the Folder List by Folder Type function.</p> |
| APPL_MAX_QUE_LIST | Smallint NNWD | | <p>The maximum number of documents that will be sent to the workstation at one time on the <i>AIS+ Work With Queued Items</i> screen.</p> |
| APPL_FTAB_LIST_FMT | Smallint NNWD | | <p>Determines the display format for the <i>AIS+ Folder Tab List</i> screen.</p> <p>R – Display number of documents by receive date within tab</p> <p>T – Display number of documents within tab</p> |

AISCOLL - Collection/Form

Each form (document type) that is used within an application under the AIS+ software has the ability to have a specific collection name assigned to it. This allows different forms to be handled differently within OAM based upon the handling and storage requirements for the particular form. If a form is not assigned a specific collection name, then the collection name established in the application profile table (AISAPPL) will be used when storing or accessing that particular form.

Entries to this table are created during the assignment of a collection name to a form using the *AIS+ Form Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Collection/Form table.

| DB2 Component | AIS+ Supplied Name | Your Company NamingConvention |
|---------------|--------------------|-------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSCL | |
| Table | AISCOLL | |
| Index | AISIXCL1 | |

Insertions and modifications to the table are extremely infrequent. A single unique index is supplied (but not required) that uses the application ID and the form name (both in ascending order).

Each AIS+ AISCOLL entry has a length of 90 bytes, 82 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 20 bytes.

AISCOLL utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISCOLL.

| Tablespace DDL Option | Value | Description |
|-----------------------|------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. COL_APPLIDCD (ASC) COL_FORMNUM (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISCOLL data row:

| Column | Type & Length | Key | Description |
|----------------|-------------------|------|---|
| COLL_APPLIDCD | SMALLINT NNWD | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| COLL_FORMNUM | Char (16) NNWD | 1:2A | Name of the form or document. |
| COLL_COLL_NAME | Char (44) NNWD | | Collection name assigned to document when stored or modified. |
| COLL_MGT_CLASS | Char (8) NNWD | | Management class assigned to document when stored or modified. Used to override management class associated with the collection name. ACS routine must be coded to recognize this override condition. |
| COLL_STO_CLASS | Char (8) NNWD | | Storage class assigned to document when stored or modified. Used to override storage class associated with the collection name. ACS routine must be coded to recognize this override condition. |
| COLL_RET_PD | INTEGER NNWD | | The retention period (number of days) OAM will retain the document at this storage level. |

AISDCMT - Document Profile

Each document type, for an individual application, that will be processed within the AIS+ software must be defined to the system. An entry represents the characteristics, or profile, the document will be governed by while executing under AIS+.

Entries to this table are created when using the *AIS+ Form Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Document Profile table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|----------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSDP | |
| Table | AISDCMT | |
| Index | AISIXDP1 AISIXDP2 | |

Insertions and modifications to the table are infrequent. Two unique indices are supplied. The first uses the application ID and the internal numeric form code, both in ascending order. The second uses the application ID and the form's name, both in ascending order.

Each AIS+ AISDCMT entry has a length of 146 bytes, 138 bytes of data and 8 bytes for the DB2 header. The first index entry has a length of 4 bytes and the second has a length of 18 bytes.

AISDCMT utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISDCMT.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|--|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined document profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. DCMT_APPLIDCD (ASC) DCMT_FORM_CD (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined document profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. DCMT_APPLIDCD (ASC) DCMT_FORMNAME (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined document profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISDCMT data row:

| Column | Type & Length | Key | Description |
|-------------------|-------------------|--------------|--|
| DCMT_APPLIDCD | SMALLINT NN | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| DCMT_FORMNAME | Char (16) NN | 2:2A | Name of the form or document. |
| DCMT_FORM_CD | SMALLINT NN | 1:2A | Internal numeric value used by all FAF and AIS+ tables to identify the form. |
| DCMT_DESCRIPTION | Char (60) NN | | The default description used by all documents associated with this form. |
| DCMT_SECURCL | Char (2) NN | | The default security class level assigned to a document upon entry into the system. Only operators with a security level equal to or greater than this value can access documents associated with this form. |
| DCMT_PEND_FL | Char (1) NNWD | | Currently not used but the value is always set to 'Y'. |
| DCMT_DD_LABEL | Char (20) NNWD | | The label used to identify the user defined date on the indexing screen. |
| DCMT_PEND_MIN_DY | SMALLINT NNWD | | This column is not currently used. |
| DCMT_PEND_MAX_DY | SMALLINT NNWD | | This column is not currently used. |
| DCMT_PAPER_RET_FL | Char (1) NN | | An indicator identifying whether the original paper document is maintained. N - The original paper was not kept. Y - The original paper was kept. |
| DCMT_RLOB | Char (6) NN | | The default routing line-of-business that will be assigned to a document for routing purposes. An RLOB of spaces indicates the document is not routed when entered into the system. The routing line-of-business is used in conjunction with TRANTYPE and USERPRM1 to form a routing step. |
| DCMT_TRANTYPE | Char (6) NN | | The default routing transaction type that will be assigned to a document for routing purposes. A TRANTYPE of spaces indicates the document is not routed when entered into the system. The transaction type is used in conjunction with RLOB and USERPRM1 to form a routing step. |
| DCMT_WAKE_ALL_FL | Char (1) NNWD | | This flag indicates that when a document from this profile is stored in the system, all held documents in its folder will be removed from a hold-state and activated to their respective queues. N - Held documents will not be activated. Y - All held documents will be activated. |

| Column | Type & Length | Key | Description |
|--------------------|------------------|-----|---|
| DCMT_WAKE_ROUT_FL | Char (1) NNWD | | This flag indicates that when a document from this profile is stored in the system, all held documents in its folder that belong to the document's routing queue, will be removed from a hold-state and activated within that queue. The queue represents the queue the document is assigned to when stored. The queue could be the default established through the profile, or one that is overridden at indexing. N - Held documents will not be activated. Y - Held documents in the document's queue will be activated. |
| DCMT_UPDT_DT | DATE NNWD | | The last date the profile was modified. |
| DCMT_UPDT_OPER | Char (8) NN | | The operator ID that performed the last update. |
| DCMT_INDX_FL | Char (1) NNWD | | A flag that indicates whether this document profile can be used for storing new documents. Documents already stored under this profile can still be accessed. N - Not available for indexing new documents. Y - Available for indexing new documents. |
| DCMT_FUTR_DATE_IND | Char (1) NNWD | | Not currently being used |
| DCMT_FUTR_DATE_FL | Char (1) NNWD | | A flag that indicates whether this document can be received into the system with a date in the future. N - Document may not be received in the future Y - Document may be received in the future. |
| DCMT_GROUP_CD | Smallint NNWD | | A numeric representation of a Group ID on the AISGRUP table. This code groups forms together and allows access to be restricted or granted to users. |

AISDLOG - Delete/Undelete Log

This table contains information on documents that have been deleted and undeleted, and folders that have been deleted from the system. This table exists because on the FAF deletion of an entity, all elements associated with the entity are also removed at the time of deletion.

Entries to this table are created when a document is either deleted or undeleted (through the use of the *AIS+ Document Delete/Undelete* function), or when a folder is deleted through the use of the *AIS+ Folder Deletion* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Delete/Undelete Log table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSDL | |
| Table | AISDLOG | |
| Index | AISIXDL1 | |

Insertions to the table can be frequent. A single unique index is supplied that uses the application ID, the folder type, the folder ID, the delete type, and the delete date. The first three keys are in ascending order and the last two are in descending order.

Each AIS+ AISDLOG entry has a length of 207 bytes, 199 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 41 bytes.

AISDLOG utilizes a single simple tablespace. Since this table is only written to when items are being deleted and delete volume is not normally that great, the locking mechanism should be set to use the "page" (though most shops will utilize "any"). Since insertion is semi-frequent, percent free should be set to 20% and free pages should be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISDLOG.

| Tablespace DDL Option | Value | Description |
|------------------------------|--------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | PAGE or ANY | Access to this table is by insertion only, though volume should be low. |
| PRIQTY | 168 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all potential deletions. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|--|
| UNIQUE | | Index is unique. DLOG_APPLIDCD (ASC) DLOG_FOLDER_TYPE (ASC) DLOG_FOLDID (ASC) DLOG_DLTTYPE (DESC) DLOG_DLTDATE (DESC) |
| PRIQTY | 68 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all potential deletions. |
| PCTFREE | 20 | The table can be frequently updated. |
| FREEPAGE | 0 | The table can be frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISDLOG data row:

| Column | Type & Length | Key | Description |
|------------------|-------------------|------|--|
| DLOG_APPLIDCD | SMALLINT NNWD | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| DLOG_FOLDER_TYPE | Char (2) NNWD | 1:2A | The type of folder. The type can be any two alphanumeric combination. |
| DLOG_FOLDID | Char (26) NNWD | 1:3A | The folder ID of the item being deleted. |
| DLOG_DLTTYPE | Char (1) NNWD | 1:4D | Type of reason. D - Document Delete F - Folder Delete U - Document Undelete |
| DLOG_DLTDATE | TIMESTAMP NNWD | 1:5D | The date the function was performed. |
| DLOG_FOLDTKN | TIMESTAMP NNWD | | The FAF internal DB2 timestamp of the folder being processed. |
| DLOG_CRTEBSITE | Char (4) NNWD | | The IODM CICS region that initially stored the document. This field is not used if a folder has been deleted. |
| DLOG_OBJTIME | TIMESTAMP NNWD | | The FAF internal DB2 timestamp of the document being processed. This field is not used if a folder has been deleted. |
| DLOG_OBJVERS | SMALLINT NNWD | | The document's version number on which the function has been performed. This field is not used if a folder has been deleted. |
| DLOG_RESNCODE | Char (2) NNWD | | A User defined reason code for why the action has taken place. |
| DLOG_RESNMSSG | Char (50) NNWD | | Additional information describing the delete/undelete action. |
| DLOG_USERID | Char (8) NNWD | | The operator ID that performed the function. |
| DLOG_TERMID | Char (8) NNWD | | The terminal ID from which the function was performed. |
| DLOG_OBJDESC | Char (60) | | The full length name or description of the object |
| DLOG_RECVDATE | Date | | The date the object was received |

AISDRSN - Delete/Undelete Reasons

This table contains the various reasons for deleting and undeleting documents and deleting folders from the system.

There is no on-line facility within AIS+ to currently administer this table. Building of the table must be accomplished utilizing a DB2 utility or tool.

The following table contains the naming conventions used for the AIS+ Delete/Undelete Reason table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSRC | |
| Table | AISDRSN | |
| Index | AISIXDR1 | |

Insertions and modifications to the table are extremely infrequent. A single unique index is supplied (but not required) that uses the application ID and the reason type, and the reason code, all in ascending order.

Each AIS+ AISDRSN entry has a length of 29 bytes, 21 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 5 bytes.

AISDRSN utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data.

The following tables reflect the aforementioned DB2 options required to build AIS+ AISDRSN.

| Tablespace DDL Option | Value | Description |
|------------------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined reasons. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. DRSN_APPLIDCD (ASC) DRSN_RSNTYPE (ASC) DRSN_RSNCODE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined reasons. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISDRSN data row:

| Column | Type & Length | Key | Description |
|---------------|-------------------|------|---|
| DRSN_APPLIDCD | SMALLINT NNWD | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| DRSN_RSNTYPE | Char (1) NNWD | 1:2A | Type of reason. D - Document Delete F - Folder Delete U - Document Undelete |
| DRSN_RSNCODE | Char (2) NNWD | 1:3A | A User defined reason code for why the action has taken place. |
| DRSN_RSNMSSG | Char (16) NNWD | | A corresponding brief message associated with the reason code. |

AISDTAB - Default Folder Tabs

Each document (or form), for an individual application, must be assigned to a tab within a folder. This table provides a default assignment used when the document is being indexed for storage.

Entries to this table are generated through the use of the *AIS+ Form Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Default Folder Tab table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSDT | |
| Table | AISDTAB | |
| Index | AISIXDT1 | |

Insertions and modifications to the table are infrequent. One unique index is supplied (but not required) that uses the application ID, the form name, and the folder type all in ascending order.

Each AIS+ AISDTAB entry has a length of 46 bytes, 38 bytes of data and 8 bytes for the DB2 header. The index entry has a length of 20 bytes.

AISDTAB utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISDTAB.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined default tab combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. DTAB_APPLIDCD (ASC) DTAB_FORMNUM (ASC) DTAB_FOLDTYPE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined default tab combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISDTAB data row:

| Column | Type & Length | Key | Description |
|------------------|-----------------|------|---|
| DTAB_APPLIDCD | SMALLINT NN | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| DTAB_FORMNUM | Char (16) NN | 1:2A | Name of the form or document. |
| DTAB_FOLDTYPE | Char (2) NN | 1:3A | The type of folder. The type can be any two alphanumeric combination. |
| DTAB_DESCRIPTION | Char (16) NN | | The full length name or description of the tab. |
| DTAB_TABTYPE | Char (2) NN | | The tab acronym. The acronym can be any two alphanumeric combination. |

AISFLDR - Folder Profile

Each folder type, that will be processed within the individual application of the AIS+ software must be defined to the system. An entry represents the characteristics, or profile, the folder will be governed by while executing under AIS+.

Entries are created for this table through the use of the *AIS+ Folder Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Folder Profile table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|----------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSFP | |
| Table | AISFLDR | |
| Index | AISIXFP1 AISIXFP2 | |

Insertions and modifications to the table are infrequent. Two unique indices are supplied. The first uses the application ID and the folder type, both in ascending order. The second uses the application ID and the internal numeric folder type code, both in ascending order.

Each AIS+ AISFLDR entry has a length of 259 bytes, 251 bytes of data and 8 bytes for the DB2 header. The first index entry has a length of 4 bytes and the second has a length of 4 bytes.

AISFLDR utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISFLDR.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined folder profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|---|
| UNIQUE | | Index is unique. FLDR_APPLIDCD (ASC) FLDR_FOLDTYPE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined folder profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|---------------------------|--------------|---|
| UNIQUE | | Index is unique. FLDR_APPLIDCD (ASC) FLDR_FOLDTYCD (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined folder profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISFLDR data row:

| Column | Type & Length | Key | Description |
|------------------|-------------------|--------------|---|
| FLDR_APPLIDCD | SMALLINT NNWD | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| FLDR_FOLDTYCD | SMALLINT NNWD | 2:2A | Internal numeric value used by all FAF and AIS+ tables to identify the folder type. This is system generated upon entry of a new folder type. |
| FLDR_FOLDTYPE | Char (2) NNWD | 1:2A | The type of folder. The type can be any two alphanumeric combination. |
| FLDR_DESCRIPTION | Char (60) NNWD | | The default description used by all folders associated with this folder type. |
| FLDR_SECURCL | Char (2) NNWD | | The default security class level assigned to a document upon entry into the system. Only operators with a security level equal to or greater than this value can access documents associated with this form. The security ranges from '00' to '99'. |
| FLDR_PRM_LABEL | Char (10) NNWD | | The label identifying the primary index (the folder ID). This label will display next to all folder ID fields displayed by the AIS+ software. |
| FLDR_PRM_LEN | SMALLINT NNWD | | The maximum length of the folder ID. The AIS+ system maximum is 26. If the application profile uses the folder type as the folder ID prefix, the maximum length then becomes 24. |
| FLDR_SCND1_LABEL | Char (10) NNWD | | The label associated with the folder's first secondary index. If the label and length are not supplied, the first index will not be used by the folder. |
| FLDR_SCND1_LEN | SMALLINT NNWD | | The length of the first secondary value. The AIS+ system maximum is 40. If the label and length are not supplied, the first index will not be used by the folder. |
| FLDR_SCND2_LABEL | Char (10) NNWD | | The label associated with the folder's second secondary index. If the label and length are not supplied, the second index will not be used by the folder. |
| FLDR_SCND2_LEN | SMALLINT NNWD | | The length of the second secondary value. The AIS+ system maximum is 40. If the label and length are not supplied, the second index will not be used by the folder. |
| FLDR_SCND3_LABEL | Char (10) NNWD | | The label associated with the folder's third secondary index. If the label and length are not supplied, the third index will not be used by the folder. |
| FLDR_SCND3_LEN | SMALLINT NNWD | | The length of the third secondary value. The AIS+ system maximum is 40. If the label and length are not supplied, the third index will not be used by the folder. |
| FLDR_SCND1_MASK | Char (40) NNWD | | The mask is used as a data entry template when the first secondary index is used for the folder. The mask acts only as a template -- not as a field editor. |

| Column | Type & Length | Key | Description |
|-------------------|-------------------|-----|--|
| FLDR_SCND2_MASK | Char (40) NNWD | | The mask is used as a data entry template when the second secondary index is used for the folder. The mask acts only as a template -- not as a field editor. |
| FLDR_SCND3_MASK | Char (40) NNWD | | The mask is used as a data entry template when the third secondary index is used for the folder. The mask acts only as a template -- not as a field editor. |
| FLDR_SCND1_EDITNO | Char (2) NNWD | | The Edit Number for secondary index 1 is passed to the Field Edit Exit, when a folder is added or updated. |
| FLDR_SCND2_EDITNO | Char (2) NNWD | | The Edit Number for secondary index 2 is passed to the Field Edit Exit, when a folder is added or updated. |
| FLDR_SCND3_EDITNO | Char (2) NNWD | | The Edit Number for secondary index 3 is passed to the Field Edit Exit, when a folder is added or updated. |
| FLDR_DLTE_IND | Char (1) NNWD | | An indicator that represents the automatic deletion of a folder when the last document has been removed (deleted or moved) from the folder. N - Do not delete empty folders. Y - Delete empty folders. |
| FLDR_SCND1_MIN | SMALLINT NNWD | | The minimum number of positions that must be entered for the first secondary index when performing wildcard searches for folders with similar indices. Only valid if the first secondary index is being used. |
| FLDR_SCND2_MIN | SMALLINT NNWD | | The minimum number of positions that must be entered for the second secondary index when performing wildcard searches for folders with similar indices. Only valid if the second secondary index is being used. |
| FLDR_SCND3_MIN | SMALLINT NNWD | | The minimum number of positions that must be entered for the third secondary index when performing wildcard searches for folders with similar indices. Only valid if the third secondary index is being used. |
| FLDR_SEARCH_MIN | SMALLINT NNWD | | The minimum number of positions that must be entered for the folder ID when performing wildcard searches for a group of folders. |

AISGOPR - Operator Group Assignment

Each group of forms that an operator can access / view must be defined to the system.

Entries to this table are created during the assignment of groups using the *AIS+ Operator Group Assignment* function ([AIS+ EE User Reference Manual](#)). Additionally, entries are added during an Operator Profile Copy option. Further, one entry is added each time that either a new application or operator are created.

The following table contains the naming conventions used for the AIS+ Operator Group Assignment table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|----------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSGP | |
| Table | AISGOPR | |
| Index | AISIXGP1 AISIXGP2 | |

Insertions to this table are infrequent after the initial setup of existing operators. Two (2) indices are supplied. The first index is unique and uses the application ID, the group code and the operator's ID, all in ascending order. The second index is non-unique and uses the application ID and the operator's ID, all in ascending order.

Each AISGOPR entry has a length of 20 bytes, 12 bytes of data and 8 bytes for the DB2 header. The two indices have lengths of 12 and 10 bytes respectively.

AISGOPR utilizes a simple tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). The percent free should be set to 10 and free pages should be set to 10. There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AISGOPR:

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 20 | See calculations above. |
| SECQTY | 10 | See calculations above. |
| PCTFREE | 10 | The table is rarely updated. |
| FREEPAGE | 10 | The table is rarely updated. |
| BUFFERPOOL | BPO | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. GOPR_APPLIDCD (ASC) GOPR_GROUP_CD (ASC) GOPR_OPER_ID (ASC) |
| PRIQTY | 20 | See calculation above. |
| SECQTY | 10 | None required if primary quantity is set to carry all group assignment profiles. |
| PCTFREE | 10 | The table is rarely updated. |
| FREEPAGE | 10 | The table is rarely updated. |
| BUFFERPOOL | BPO | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. GOPR_APPLIDCD (ASC) GOPR_OPER_ID (ASC) |
| PRIQTY | 16 | See calculation above. |
| SECQTY | 10 | None required if primary quantity is set to carry all defined group assignments. |
| PCTFREE | 10 | The table is rarely updated. |
| FREEPAGE | 10 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AISGOPR data row:

| Column | Type & Length | Key | Description |
|---------------|------------------|--------------|---|
| GOPR_APPLIDCD | SMALLINT NNWD | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| GOPR_GROUP_CD | SMALLINT NNWD | 1:2A | Internal numeric value used by AIS+ tables to identify forms that belong to a group. |
| GOPR_OPER_ID | Char (8) NN | 1:3A2 :2A | Contains a valid AIS+ Operator ID. |

AISGRUP - Group Profile

Each unique group to which a form is assigned must be defined to the system.

Entries to this table are created during the creation or modification of forms using the AIS+ Form Profile function (AIS+ EE User Reference Manual).

The following table contains the naming conventions used for the AIS+ Group Profile table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSGT | |
| Table | AISGRUP | |
| Index | AISIXGT1 | |

Insertions to this table are infrequent. One (1) unique index is supplied. This index uses the application ID and the group code, all in ascending order.

Each AISGRUP entry has a length of 20 bytes, 12 bytes of data and 8 bytes for the DB2 header. The index has a length of 4 bytes.

AISGRUP utilizes a simple tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). The percent free should be set to 10 and free pages should be set to 10. There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data.

The following tables reflect the aforementioned DB2 options required to build AISGRUP:

| Tablespace DDL Option | Value | Description |
|------------------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculations above. |
| SECQTY | 0 | None required if primary quantity is set to carry all group profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. GRUP_APPLIDCD (ASC) GRUP_GROUP_CD (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all group assignment profiles. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AISGRUP data row:

| Column | Type & Length | Key | Description |
|---------------|------------------|------|---|
| GRUP_APPLIDCD | SMALLINT NNWD | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| GRUP_GROUP_CD | SMALLINT NNWD | 1:2A | Internal numeric value used by AIS+ tables to identify forms that belong to a group. |
| GRUP_GROUP_ID | Char (8) NN | | Contains a valid AIS+ Group ID. |

AISMSGSGS - AIS+ Messages

Each message used by AIS+ and the various system exits is maintained in this table.

There is no current method of entering messages through the AIS+ on-line system. All entries must be made through the use of a DB2 utility or tool.

The following table contains the naming conventions used for the AIS+ Message table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSMS | |
| Table | AISMSGSGS | |
| Index | AISIXMS1 | |

Insertions and modifications to the table are extremely infrequent. A single unique index is supplied that uses the message code in ascending order.

Each AIS+ AISMSGSGS entry has a length of 88 bytes, 80 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 8 bytes.

AISMSGSGS utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISMSGs.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 48 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined messages. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. MSGG_MSG_CD (ASC) |
| PRIQTY | 20 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined messages. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISMSGG data row:

| Column | Type & Length | Key | Description |
|--------------|-----------------|------|--|
| MSGG_MSG_CD | Char (8) NN | 1:1A | The message code associated with the text to be displayed. The format of any exit supplied message code can represent any combination except the following: AISxxxx. This particular format of 7 positions, where the first three characters are AIS and the next four positions are a number ranging from 0000 to 9999, is strictly reserved for AIS+ use only. |
| MSGG_MSG_TXT | Char (72) NN | | The actual text message that will be displayed on the AIS+ screen. |

AISOPAS - Operator Assignment

Each queue (route unit/route code) that an operator can process must be defined to the system.

Entries to this table are created during the assignment queues using the *AIS+ Operator Assignment* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Operator Assignment table. AISOPAS is a view of the IBM FAF User Assignment table (EYPTWEAS).

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|----------------------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | EYPSWEAS | |
| Table | EYPTWEAS | |
| Index | EYPIWEAS1452U EYPIWEAS12345CU | |
| View | AISOPAS | |

Insertions and modifications to the table can be extremely frequent. Two (2) unique indices are supplied by IBM. The first index uses the application ID, the assigned route unit, the assigned route code, and the operator's ID, all in ascending order. The second index uses the application ID, the operator's ID, the queue priority, the assigned route unit, and the assigned route code, all in ascending order (except the queue priority which is in descending order).

Each AIS+ AISOPAS entry has a length of 31 bytes, 23 bytes of data and 8 bytes for the DB2 header. The two indices have lengths of 20 and 22 bytes respectively.

EYPTWEAS utilizes a simple tablespace. Since this table has a potential of being frequently updated, the locking mechanism should be set to use the "page" (though most shops will utilize "any"). The percent free should be set to 20 and free pages should be set to zero. There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build FAF EYPTWEAS:

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | PAGE or ANY | The table has the potential for constant update and is accessed fairly heavy during the workflow process. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined folder profiles. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|---|
| UNIQUE | | Index is unique. APPLIDCD (ASC) RUNIT (ASC) RCODE (ASC) USERID(ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined folder profiles. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|---|
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. APPLIDCD (ASC) USERID (ASC) QPRTY (DESC) RUNIT (ASC) RCODE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined assignments. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of a FAF EYPTWEAS data row:

| FAF Column (AIS+ View Column) | Type & Length | Key | Description |
|----------------------------------|------------------|--------------|---|
| APPLIDCD (OPAS_APPL_ID_CD) | SMALLINT NNWD | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| USERID (OPAS_OPER_ID) | Char (8) NN | 1:4A 2:2A | Operator ID. |
| QPRTY (OPAS_QUE_PRTY) | SMALLINT NNWD | 2:3D | Currently not used. Always zero (0). |
| RUNIT (OPAS_UNIT_CODE) | INTEGER NNWD | 1:2A 2:4A | The route unit portion of the RTCODE/RUNIT combination that identify a queue. |
| RCODE (OPAS_ROUT_CODE) | Char (6) NNWD | 1:3A 2:5A | The route code portion of the RTCODE/RUNIT combination that identify a queue. |
| ASGNSTAT (OPAS_STATUS_FL) | Char (1) NNWD | | Current access status of operator's ability to process queue. A - Active, operator can process queue contents. I - Inactive, operator can not process queue contents. |

AISOPPF - Operator Profile

Each operator/user who needs access to an application within AIS+ must be defined to the system.

Entries to this table are generated through the use of the *AIS+ Operator Security Profile Administration*, the *AIS+ Operator Copy*, and the *AIS+ Operator Assignment* functions ([AIS+ EE User Reference Manual](#)). System Administrator IDs are generated through the use of the *AIS+ Initial Application Profile Creation* function ([AIS+ EE System Administration Manual](#)).

The following table contains the naming conventions used for the AIS+ Operator Profile table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSOP | |
| Table | AISOPPF | |
| Index | AISIXOP1 | |

Insertions and modifications to the table can be frequent. A single unique index is supplied that uses the operator ID and the application ID code, both in ascending order.

Each AIS+ AISOPPF entry has a length of 109 bytes, 101 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 10 bytes.

AISOPPF utilizes a segmented tablespace. Since this table can be moderately updated, the locking mechanism should be set to use a "page" (though most shops will utilize "any"). With a potential high insertion rate, percent free should be set to 20%. Free pages should be set to zero (0) only for the fact that the number of overall pages is not that great and mass volume insertions normally will not occur after the application has been established. There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISOPPF.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------|--|
| SEGSIZE | 4 | This is a small segmented table. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | PAGE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 48 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined operator profiles. |
| PCTFREE | 20 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|--|
| UNIQUE | | Index is unique. OPPF_OPERATOR_ID (ASC) OPPF_APPL_ID_CD (ASC) |
| PRIQTY | 20 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined operator profiles. |
| PCTFREE | 10 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISOPPF data row:

| Column | Type & Length | Key | Description |
|--------------------|-------------------|------|--|
| OPPF_APPL_ID_CD | SMALLINT NNWD | 1:2A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| OPPF_OPERATOR_ID | Char (8) NNWD | 1:1A | The ID value used by an operator to access an application. |
| OPPF_FIRST_NAME | Char (10) NNWD | | The operator's first name. |
| OPPF_MIDDLE_INIT | Char (1) NNWD | | The operator's middle initial. |
| OPPF_LAST_NAME | Char (20) NNWD | | The operator's last name. |
| OPPF_EMPTY_STATUS | Char (1) NNWD | | The current access status of the operator. A - Active, able to access the application. I - Inactive, unable to access the application. |
| OPPF_PASS_WORD | Char (8) NNWD | | The password associated with the ID in accessing the application. |
| OPPF_DEF_FLDR_TYP | Char (2) NNWD | | The type of folder. The type can be any two alphanumeric combination that exists within the folder profile table. This is the default (or primary) folder type accessible by the operator. |
| OPPF_DOC_FLDR_LVL | Char (2) NNWD | | The security class level assigned to the operator in accessing folders and documents. Only those items with a security equal to and lower can be accessed. The value ranges from '00' to '99'. |
| OPPF_DEF_UNIT_CD | INTEGER NNWD | | The unit code the operator is assigned. This default value is used when assigning queue assignments. |
| OPPF_SECUR_ADM_IND | Char (1) NNWD | | Y - The Operator will have access to the <i>AIS+ Operator Security</i> function. N - The Operator will not have access to security profiles. |
| OPPF_APPL_ADM_IND | Char (1) NNWD | | Y - The Operator will have access to the <i>AIS+ Application Profile Administration</i> . N - The Operator will not have access to change application profile components. |
| OPPF_WKFL_ADM_IND | Char (1) NNWD | | Y - The Operator will have access to the <i>AIS+ Unit Code Profile</i> , the <i>AIS+ Unit/Route Code Profile</i> , and the <i>AIS+ RLOB/Tran Type Profile</i> functions. N - The Operator will not have access to change any of the workflow administration profiles. |
| OPPF_QASG_ADM_IND | Char (1) NNWD | | Y - Operator will be able to add new queue assignments and be able to update other operators' queue assignments. N - Operator will be able to update (active, inactive) status only for his/her own routing queues. Operator will not be able to add new queue assignments. |
| OPPF_OPER_ASGN_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Operator Assignment</i> function. N - Operator will not have access to change operator assignments. |
| OPPF_QUE_LIST_IND | Char (1) NNWD | | N - The operator will not have access to list queues within the application. Q - The operator will have access to the <i>AIS+ List Queue Information</i> function. The list will use the following Sort Type 3. R - The operator will have access to the <i>AIS+ List Queue Information</i> function. The list will use the following Sort Type 2. |

| Column | Type & Length | Key | Description |
|-------------------|------------------|-----|---|
| | | | <p>S - The operator will have access to <i>the AIS+ List Queue Information</i> function. The list will use the following Sort Type 4.</p> <p>T - The operator will have access to <i>the AIS+ List Queue Information</i> function. However, each line will contain the value in the Userdata, rather than the Folder ID. The list will use the following Sort Type 3.</p> <p>U - The operator will have access to <i>the AIS+ List Queue Information</i> function. However, each line will contain the value in the Userdata, rather than the Folder ID. The list will use the following Sort Type 2.</p> <p>V - The operator will have access to <i>the AIS+ List Queue Information</i> function. However, each line will contain the value in the Userdata, rather than the Folder ID. The list will use the following Sort Type 4.</p> <p>X - The operator will have access to <i>the AIS+ List Queue Information</i> function. However each line will contain the value in the Userdata, rather than the Folder ID. The list will use the following Sort Type 1.</p> <p>Y - The operator will have access to <i>the AIS+ List Queue Information</i> function. The list will use the following Sort Type 1.</p> <p>Sort Type 1: Priority Descending/Folder ID descending</p> <p>Sort Type 2: Receive Date Ascending/Priority Descending/Folder ID Ascending</p> <p>Sort Type 3: Priority Descending/Object Time Ascending</p> <p>Sort Type 4: Priority Descending/Receive Date Ascending/Object Time Ascending</p> <p><i>Note: Object Time is the internal timestamp generated by FAF to identify a stored object.</i></p> |
| OPPF_COPY_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document Copy/Move</i> function.</p> <p>N - The operator will not be able to copy a document from one folder ID to another folder ID(s).</p> |
| OPPF_DEF_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Form Profile</i> function.</p> <p>N - The operator will not be able to define new form profiles for the application.</p> |
| OPPF_DLT_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document Delete/Undelete</i> function. The operator will not have access to delete documents that are in a pending status.</p> <p>B - The operator will have access to delete all documents from a folder.</p> <p>P - The operator will have access to delete documents that are in a pending status only.</p> <p>N - The operator will not be able to delete any document from a folder.</p> |
| OPPF_FAX_DOC_IND | Char (1) NNWD | | <p>Y - The operator will be able to fax a document from a folder.</p> <p>N - The operator will not be able to fax a document from a folder.</p> |
| OPPF_LIST_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document List</i> function. The document list will be ordered by Receive Date desc, Object Time desc.</p> |

| Column | Type & Length | Key | Description |
|-------------------|------------------|-----|--|
| | | | <p>F - The operator will have access to the <i>AIS+ Document List</i> function. The document list will be ordered by Form Name asc, Receive Date desc, Object Time asc.</p> <p>T - The operator will have access to the <i>AIS+ Document List</i> function. The document list will be ordered by Tab Description asc, Receive Date desc, Object Time asc.</p> <p>D - The operator will have access to the <i>AIS+ Document List</i> function. The document list will be ordered by Document Description asc, Receive Date desc, Object Time asc.</p> <p>O - The operator will have access to the <i>AIS+ Document List</i> function. The document list will be ordered by Receive Date desc, Object Time asc.</p> <p>N - The operator will not be able to look at the list of documents in a folder.</p> |
| OPPF_MOVE_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document Copy/Move</i> function.</p> <p>N - The operator will not be able to move a document from one folder to another.</p> |
| OPPF_PRNT_DOC_IND | Char (1) NNWD | | <p>Y - The operator will be able to print a document.</p> <p>N - The operator will not be able to print a document.</p> <p>H - The operator can only print to Host IBM JES Printers.</p> <p>W - The operator can only print to LAN attached printers.</p> |
| OPPF_SCAN_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document Scan and Index</i> function.</p> <p>N - The operator will not be able to index and scan a document into a folder.</p> |
| OPPF_UPD_DOC_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Document Modify</i> function.</p> <p>N - The operator will not be able to modify the pages in a document.</p> |
| OPPF_VIEW_DOC_IND | Char (1) NNWD | | <p>Y - The operator will be able to view a document.</p> <p>W - Only documents in the queue will be displayed when the work with queued item transaction is invoked.</p> <p>N - The operator will not be able to view a document.</p> <p>H - Document History will be displayed prior to Work With Queued Item Screen is displayed.</p> <p>B - Both History and all Documents in a folder will be displayed prior to the Work With Queued Item screen being displayed.</p> <p>A - All documents in a Folder will be displayed.</p> <p>Q - Both history and only the documents in the queue will be displayed prior to the Work With Queue Item screen being displayed.</p> |
| OPPF_ROUT_DOC_IND | Char (1) NNWD | | <p>Y - The operator will be able to route a document.</p> <p>N - The operator will not be able to route a document.</p> |
| OPPF_ADD_FLDR_IND | Char (1) NNWD | | <p>Y - The operator will have access to the <i>AIS+ Folder Addition</i> function. In addition, folders can be added while performing either of the following two document functions: <i>AIS+ Document Scan & Index</i> and <i>AIS+ Document Copy/Move</i>, but only if the operator has access to either of these 2 functions.</p> <p>I - The operator will be able to add new folders only during use of the <i>AIS+ Document Scan & Index</i> function.</p> <p>T - The operator will be able to add new folders only during use of the <i>AIS+ Document Copy/Move</i> function.</p> <p>D - The operator will be able to add new folders only during the use of either the <i>AIS+ Document Scan & Index</i></p> |

| Column | Type & Length | Key | Description |
|------------------------|------------------|-----|---|
| | | | function or the <i>AIS+ Document Copy/Move</i> function. N - The operator will not be able to add new folders to the application. |
| OPPF_DEF_FLDR_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Folder Profile</i> function. N - The operator will not be able to define new folder profiles for the application. |
| OPPF_DLT_FLDR_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Folder Delete</i> function. N - The operator will not be able to delete folders from the application. |
| OPPF_LIST_FLDR_IND | Char (1) NNWD | | Y - The operator will be have access to the <i>AIS+ Folder List by Folder Type, Folder List by Folder ID</i> and <i>Folder/Tab List</i> functions. N - The operator will not have access to any of the folder list functions. |
| OPPF_UPD_FLDR_IND | Char (1) NNWD | | Y - Operator will have access to the <i>AIS+ Folder Update</i> function. N - The operator will not be able to update folders. |
| OPPF_ADD_NOTE_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Note Add</i> function. N - The operator will not be able to add notes to folders. |
| OPPF_DLT_NOTE_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Note Delete</i> function. N - The operator will not be able to delete notes from a folder. |
| OPPF_LIST_NOTE_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Note List</i> function. N - The operator will not be able to list notes in a folder. |
| OPPF_VIEW_NOTE_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Note View</i> function. N - The operator will not be able to view notes within a folder. |
| OPPF_EDIT_NOTE_IND | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Edit Note</i> function. N - The operator will not be able to edit notes within a folder. |
| OPPF_MOVE_NOTE_IN D | Char (1) NNWD | | Y - The operator will have access to the <i>AIS+ Move Note</i> function. N - The operator will not be able to move notes from one folder to another folder. |
| OPPF_CASE_ADD_IND | Char (1) NNWD | | Currently not used. |
| OPPF_CASE_ROUT_IND | Char (1) NNWD | | Currently not used. |
| OPPF_DROP_DOC_IND | Char (1) NNWD | | Y - The operator will be able to drop a document in routing. N - The operator will not be able to drop a document in routing. |
| OPPF_QUE_WORK_IND | Char (1) NNWD | | I - The operator will have access to the <i>AIS+ Work with Queued Items</i> function where images will be displayed for items in the queue. X - The operator will have access to the <i>AIS+ Work with Queued Items</i> function and images will NOT be displayed for items in the queue. N - The operator will not have access to work with queued items within the application. |
| OPPF_QUE_CHECK_IND | Char (1) NNWD | | Y - The Operator will be able to route or sendwork for an existing route code and unit combination, if the Operator |

| Column | Type & Length | Key | Description |
|--------------------|---------------|-----|---|
| | | | has been assigned to the queue. N – The Operator will be able to route or sendwork for an existing route code and unit combination whether or not the Operator has been assigned to the queue. A – The Operator will be able to route or sendwork for an existing route code and unit combination, if the Operator has been assigned to the queue. If the queue assignment is inactive, it will become activated. |
| OPPF_HP_DFLT_PRNTR | Char (8) NNWD | | Default host print JES printer assigned to an operator ID. |
| OPPF_SRT_WRK_QUE | Char(1) | | P- Sort work que by priority desc; object time asc A- Sort according to the value in the APPL_SRT_WRK_QUE Column within AISAPPL D- Sort by the last 9 bytes of the object description |
| OPPF_ARQ_DELETE | Char(1) | | Y – The Operator will be able to access ARQ Enhancements N – The Operator will NOT be able to access ARQ Enhancements |
| OPPF_EDIT_NOTE_IND | Char(1) | | Y – The Operator will be able to edit a Note N- The Operator will NOT be able to edit a Note |
| OPPF_MOVE_NOTE_IND | Char(1) | | Y – The Operator will be able to move a Note from one folder to another folder in the same application N – The Operator will NOT be able to move a Note |

AISPRTDT - Host Print Detail

Each document that is requested for a host print resides in the Host Print Detail table. Entries to this table are created in the AIS+ Host Print Request transaction. This transaction may be entered from *AIS+ Folder List by Type*, *AIS+ Folder List by ID*, *AIS+ Folder Tab List*, *AIS+ Document List* and *AIS+ Work With Queued Items*.

The following table contains the naming conventions used for the AIS+ Host Print Detail table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSHPD | |
| Table | AISPRTDT | |
| Index | AISIXPD1 | |
| View | AISPRTDT | |

Depending on the anticipated volume of host printing, insertions and modifications to the table may be frequent. An index, utilizing requested print time and user ID, is supplied.

Each AIS+ AISPRTDT entry has a length of 179 bytes, 171 bytes of data and 8 bytes for the DB2 header. The index length is 18 bytes.

AISPRTDT utilizes a simple single tablespace. Since this table is frequently updated, the locking mechanism should be set to use "any". Insertion and modifications are somewhat frequent. The percent free should be set at 10 and the free pages should be set at 10. There is no requirement to have the table reside in a special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ HOST PRINT DETAIL (AISPRTDT).

| Tablespace DDL Option | Value | Description |
|-----------------------|-------|--|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | ANY | Due to the frequency of modification, it is best to let DB2 determine how to best utilize the locking methodology. |
| PRIQTY | 2208 | See calculation above. |
| SECQTY | 1104 | See calculation above. |
| PCTFREE | 10 | The table is frequently updated. |
| FREEPAGE | 10 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is frequently accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|-------------------------|--------------|---|
| UNIQUE | | Index is non unique. HPDT_RQST_TIME (ASC) HPDT_RQST_USERID (ASC) |
| PRIQTY | 268 | See calculation above. |
| SECQTY | 134 | See calculation above. |
| PCTFREE | 10 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISPRTDT data row:

| Column | Type & Length | Key | Description |
|----------------------------------|-------------------|------|--|
| HPDT_RQST_TIME | TIMESTAMP NN | 1:1A | A DB2 timestamp value indicating when the request to print this document was made. |
| HPDT_RQST_USERID | Char (8) NN | 1:2A | The userid of the person who requested the printing of this document. |
| HPDT_OBJ_NAME | CHAR (44) NN | | The name of the object to be printed as recognized by OAM. |
| HPDT_COLL_NAME | Char (44) NN | | The collection name of the object to be printed as recognized by OAM. |
| HPDT_OBJ_DESC | CHAR (40) NNWD | | The description of the object to be printed. |
| HPDT_RETCODE | Char (08) NNWD | | A code returned by OAM indicating whether or not object retrieval was successful. |
| HPDT_RSNCODE (WORK_USER_PRM2) | CHAR (08) NNWD | | A reason code returned by OAM indicating whether or not object retrieval was successful. |
| HPDT_STATUS | CHAR (01) NNWD | | The current print status of the object. ' ' - An attempt has not been made to print the object. 'Y' - The object was printed successfully. 'N' - The object was not printed successfully. |
| HPDT_NUMPAGES | SMALLINT NN | | The number of pages in the object. |
| HPDT_OBJCLASS | Char (02) NN | | The hexadecimal value representing the type of object. |
| HPDT_OBJSIZE | INTEGER NN | | This value represents the total object length in bytes from OAM. |

AISPRTRQ - Host Print Request

Each request for a host print resides in the Host Print Request table. Entries to this table are created in the AIS+ Host Print Request transaction. This transaction may be entered from *AIS+ Folder List by Type*, *AIS+ Folder List by ID*, *AIS+ Folder Tab List*, *AIS+ Document List* and *AIS+ Work With Queued Items*.

The following table contains the naming conventions used for the AIS+ Host Print Request table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSHPR | |
| Table | AISPRTRQ | |
| Index | AISIXRQ1 | |
| View | AISPRTRQ | |

Depending on the anticipated volume of host printing, insertions and modifications to the table may be frequent. An index, utilizing requested print time and user id, is supplied.

Each AIS+ AISHPRRQ entry has a length of 271 bytes, 263 bytes of data and 8 bytes for the DB2 header. The index length is 18 bytes.

AISPRTRQ utilizes a simple single tablespace. Since this table is frequently updated, the locking mechanism should be set to use "any". Insertion and modifications are somewhat frequent. The percent free should be set at 10 and the free pages should be set at 0. There is no requirement to have the table reside in a special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data.

The following tables reflect the aforementioned DB2 options required to build AIS+ HOST PRINT REQUEST(AISPRTRQ).

| Tablespace DDL Option | Value | Description |
|-----------------------|-------|--|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | ANY | Due to the frequency of modification, it is best to let DB2 determine how to best utilize the locking methodology. |
| PRIQTY | 620 | See calculation above. |
| SECQTY | 310 | See calculation above. |
| PCTFREE | 10 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is frequently accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is non unique. HPRQ_RQST_TIME (ASC) HPRQ_RQST_USERID (ASC) |
| PRIQTY | 68 | See calculation above. |
| SECQTY | 34 | See calculation above. |
| PCTFREE | 10 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of a AIS+ AISPRTRQ data row:

| Column | Type & Length | Key | Description |
|--------------------|--------------------|------|---|
| HPRQ_RQST_TIME | TIMESTAMP NN | 1:1A | A DB2 timestamp value indicating when the request for a host print was made. |
| HPRQ_RQST_USERID | Char (8) NN | 1:2A | The userid of the person who placed this host print request. |
| HPRQ_RQST_UDF1 | CHAR (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_RQST_UDF2 | Char (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_RQST_UDF3 | CHAR (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_RECIP_NAME | CHAR (30) NNWD | | Name of person to receive the host print listing. This name is entered through the on-line transaction. |
| HPRQ_RECIP_UDF1 | CHAR (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_RECIP_UDF2 | Char (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_RECIP_UDF3 | CHAR (25) NNWD | | Optional information which is placed on the host print cover sheet. |
| HPRQ_FOLDER_ID | VARCHAR (26) NN | | The folder ID from which images were chosen to print. |
| HPRQ_NUM_COPIES | SMALLINT NNWD | | The number of copies of each page that will be printed. |
| HPRQ_PRINT_DATE | DATE NNWD | | The date that the images were printed. |
| HPRQ_PRINTER_ID | Char (08) NNWD | | The printer ID that the images were printed on. |
| HPRQ_STATUS | CHAR (01) NNWD | | The current print status of the object. ' ' - An attempt has not been made to print the request. 'Y' - The request was printed successfully. 'N' - The request was not printed successfully. |
| HPDT_STATUS_DATE | DATE NNWD | | The date that the print status was last updated. |
| HPDT_RQST_NUMPAGES | INTEGER NN | | The total number of pages of the objects in the request. |

AISRCOV - Recovery/Restart

Certain AIS+ on-line and batch processes require a facility to either initiate a function with specific information, or to allow recovery when a failure has been detected.

There is no current on-line procedure to insert entries into the table. A DB2 utility or tool will be required to populate the table with information required to execute the specific function.

The following table contains the naming conventions used for the AIS+ Recovery/Restart table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSRV | |
| Table | AISRCOV | |
| Index | AISIXRV1 | |

Insertions and modifications to the table are extremely frequent. A single unique index is supplied (but not required) that uses the program name, the step name, and the job name, all in ascending order.

Each AIS+ AISRCOV entry has a length of 4055 bytes, 4047 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 24 bytes.

AISRCOV utilizes a simple single tablespace. This table is constantly updated, so set the locking mechanism to use "page" (though most shops will utilize "any"). Since the size of the record consumes a page, percent free is set to zero (0) and free pages set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. The application frequently uses this table, so do not close the tablespace each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following tables reflect the aforementioned DB2 options required to build AIS+ AISRCOV.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | PAGE or ANY | The table is frequently updated where only 1 row fits to a page. |
| PRIQTY | 48 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined entries. |
| PCTFREE | 0 | The table is regularly updated, but space is not needed. |
| FREEPAGE | 0 | The table is regularly updated, but space is not needed. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. RCOV_PROG_NAME (ASC) RCOV_STEP_NAME (ASC) RCOV_JOB_NAME (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined entries. |
| PCTFREE | 0 | The table is regularly updated, but space is not needed. |
| FREEPAGE | 0 | The table is regularly updated, but space is not needed. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISRCOV data row:

| Column | Type & Length | Key | Description |
|--------------------|-------------------|------|--|
| RCOV_PROG_NAME | Char (8) NNWD | 1:1A | Name of program requiring recovery/restart entry. |
| RCOV_STEP_NAME | Char (8) NNWD | 1:2A | Name of JCL step requiring recovery/restart entry. |
| RCOV_JOB_NAME | Char (8) NNWD | 1:3A | Name of job requiring recovery/restart entry. |
| RCOV_CNTL_FREQ | Char (4) NNWD | | Function specific |
| RCOV_CNTL_INTERNAL | Char (56) NNWD | | Function specific |
| RCOV_JOB_STATUS_CD | Char (1) NNWD | | Function specific |
| RCOV_JOB_TERM_FL | Char (1) NNWD | | Not used |
| RCOV_EFF_PEAK_TIME | TIME NNWD | | Time of day that is classified as peak utilization, where resource utilization is a concern. |
| RCOV_PEAK_CMT_ROWS | SMALLINT NNWD | | The number of rows that will be processed before a commit during peak time. |
| RCOV_PEAK_CMT_SECS | SMALLINT NNWD | | Not used |
| RCOV_EFF_BTCH_TIME | TIME NNWD | | Time of day that is not classified as peak utilization, where resource utilization is not a major concern. |
| RCOV_BAT_CMT_ROWS | SMALLINT NNWD | | The number of rows that will be processed before a commit during non-peak time. |
| RCOV_BAT_CMT_SECS | SMALLINT NNWD | | Not used |
| RCOV_EXCL_LOCK_FL | Char (1) NNWD | | Not used |
| RCOV_START_TIME | TIME NNWD | | Not used |
| RCOV_COMMIT_TIME | TIME NNWD | | Not used |

| Column | Type & Length | Key | Description |
|-------------------|--------------------------|------------|--|
| RCOV_COMMIT_COUNT | SMALLINT NNWD | | Function specific |
| RCOV_RUN_NUMBER | SMALLINT NNWD | | Not used |
| RCOV_MAX_RTRY_911 | SMALLINT NNWD | | Function specific |
| RCOV_MAX_RTRY_RST | SMALLINT NNWD | | Function specific |
| RCOV_INP_FILE_CNT | INTEGER NNWD | | Function specific |
| RCOV_LOW_KEY | VARCHAR (3) NNWD | | Function specific |
| RCOV_HIGH_KEY | VARCHAR (3) NNWD | | Function specific |
| RCOV_RUN_INFO | VARCHAR (3862) NNWD | | Basic information pertaining to the run. |

AISRLTT - RLOB/ Transaction Type

Each routing line-of-business and transaction type combination associated with a category of work and user supplied parameters within an application must be defined to AIS+.

Entries in this table are generated through the use of the *AIS+ RLOB/Tran Type Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ RLOB/Transaction Type table. AISRLTT is a view of the IBM FAF RLOB/Transaction Type table (EYPTWRTT).

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | EYPSWRTT | |
| Table | EYPTWRTT | |
| Index | EYPIWRTT1234CU | |
| View | AISRLTT | |

Insertions and modifications to the table are infrequent. One unique index is supplied (but not required) that uses the application ID, the routing line-of-business, the transaction type, and user parameter 1, all in ascending order.

Each AIS+ AISRLTT view entry has a length of 88 bytes, 80 bytes of data and 8 bytes for the DB2 header (the EYPTWRTT table actually has a length of 81 bytes). The index entry has a length of 18 bytes.

EYPTWRTT utilizes a simple single tablespace. Since this table is sparingly updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is possible (but not overly frequent), both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build FAF EYPTWR TT.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. APPLIDCD (ASC) RLOB (ASC) TRANATYPE (ASC) USERPRM1 (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of a FAF EYPTWRTT data row:

| FAF Column (AIS+ View Column) | Type & Length | Key | Description |
|--|------------------------------|------------|---|
| APPLIDCD (RLTT_APPL_ID_CD) | SMALLINT NN | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| RLOB (RLTT_RLOB) | Char (6) NN | 1:2A | The routing line-of-business used in conjunction with TRANTYPE and USERPRM1 to form a routing step. |
| TRANTYPE (RLTT_TRAN_TYPE) | Char (6) NN | 1:3A | The transaction type used in conjunction with RLOB and USERPRM1 to form a routing step. |
| USERPRM1 (RLTT_USER_PRM1) | Char (4) NN | 1:4A | A user parameter value used in conjunction with RLOB and TRANTYPE to form a routing step. |
| CATWORK (RLTT_CATWORK) | Char (2) NN | | The user defined category of work associated with the routing queue. |
| RCODE (RLTT_RT_CODE) | Char (6) NN | | The route code portion of the RTCODE/RUNIT combination that identifies a queue. |
| BASEPRNM (RLTT_NORM_PRTY) | SMALLINT NN | | The priority value assigned to a document entering the workflow process with a normal priority indicator. The maximum value is 999. |
| BASEPRLW (RLTT_LOW_PRTY) | SMALLINT NN | | The priority value assigned to a document entering the workflow process with a low priority indicator. The maximum value is 999. |
| BASEPRMD (RLTT_MED_PRTY) | SMALLINT NN | | The priority value assigned to a document entering the workflow process with a medium priority indicator. The maximum value is 999. |
| BASEPRHG (RLTT_HIGH_PRTY) | SMALLINT NN | | The priority value assigned to a document entering the workflow process with a high priority indicator. The maximum value is 999. |
| AGEPRNM (RLTT_NORM_AGE) | SMALLINT NN | | A normal priority document will be incremented by this value for each day it has not been processed. The maximum value is 999. |
| AGEPRLW (RLTT_LOW_AGE) | SMALLINT NN | | A low priority document will be incremented by this value for each day it has not been processed. The maximum value is 999. |
| AGEPRMD (RLTT_MED_AGE) | SMALLINT NN | | A medium priority document will be incremented by this value for each day it has not been processed. The maximum value is 999. |
| AGEPRHG (RLTT_HIGH_AGE) | SMALLINT NN | | A high priority document will be incremented by this value for each day it has not been processed. The maximum value is 999. |
| NEXTRLOB | Char (6) NNWD | | Currently not used by FAF. |
| NEXTTRAN | Char (6) NNWD | | Currently not used by FAF. |

| FAF Column (AIS+ View Column) | Type & Length | Key | Description |
|----------------------------------|-------------------|-----|--|
| OPERFLAG | Char (1) NNWD | | Currently not used by FAF. |
| ASGNEMPL (RLTT_ASGN_EMP) | Char (8) NNWD | | The operator ID that will be assigned all documents entering this workflow process for the first time. |
| MODUSER (RLTT_MODUSER) | Char (8) NNWD | | The operator ID that performed the last update. |
| TIMECHGD (RLTT_MODTIME) | TIMESTAMP NNWD | | The last date the queue description was modified. |

AISSTATS - Operator Statistics

The operator statistics report records the monthly statistics for each operator for a each month of the year, when the report is run. The entries that are not required can be deleted by the DB2 administrator.

Entries into this table are generated through the use of the *AIS+ Operator Activity and Statistics Batch Report* function ([AIS+ Batch Reports Manual](#)).

The following table contains the naming conventions used for the AIS+ Operator Statistics table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSTT | |
| Table | AISSTATS | |
| Index | AISIXSTATS1 | |

Insertions and modifications to the table will take place every time the Operator Statistics and Activity Report is run. One unique index is supplied. The index uses the application ID, the Operator Name, the year_month, and the Route Unit all in ascending order.

Each AIS+ AISSTATS entry has a length of 100 bytes, 92 bytes of data and 8 bytes for the DB2 header. The index entry has a length of 21 bytes.

AISSTATS utilizes a simple single tablespace. If the table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build AIS+ AISSTATS.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table will be extensively updated and inserted if the Operator Statistics Report is run frequently. |
| PRIQTY | 5508 | See calculation above. |
| SECQTY | 2754 | Can be set to 0, if the operator statistics report is not used. |
| PCTFREE | 10 | Can be set to 0, if the operator statistics report is not used. |
| FREEPAGE | 0 | Can be set to 0, if the operator statistics report is not used. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. STATS_APPLIDCD (ASC) STATS_USERID (ASC) STATS_YEAR_MNTH (ASC) STATS_RUNIT (ASC) |
| PRIQTY | 1408 | See calculation above. |
| SECQTY | 704 | See calculation above. |
| PCTFREE | 10 | Can be set to 0, if the operator statistics report is not used. |
| FREEPAGE | 0 | Can be set to 0, if the operator statistics report is not used. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|---|
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Column | Type & Length | Key | Description |
|------------------|-----------------|-------|---|
| STATS_APPLIDCD | SMALLINT NN | 1:2A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| STATS_USERID | Char (8) NN | 3:8A | The Userid derived from the AISOPPF table. |
| STATS_OPER_NAME | Char(35) NN | | The Oper Name is the formatted last name, middle initial, and first name of the Userid. |
| STATS_YEAR_MNTH | Char (7) NN | 46:7A | The year and month for which the operator's statistics totals are stored. The format is CCYY-MM. |
| STATS_RUNIT | Integer NN | 53:4A | The Route Unit associated with each User ID. |
| STATS_DOCS_WORK | Integer NNWD | | Total number of documents that the operator worked on in that month for a particular unit. |
| STATS_DOCS_ROUT | Integer NNWD | | Total number of documents that the operator routed in that month for a particular unit. |
| STATS_DOCS_HELD | Integer NNWD | | Total number of documents that the operator placed on hold in that month for a particular unit. |
| STATS_DOCS_STRT | Integer NNWD | | Total number of documents that the operator stored and routed in that month for a particular unit. |
| STATS_DOCS_NORT | Integer NNWD | | Total number of documents that the operator stored but did not route in that month for a particular unit. |
| STATS_DOCS_PRINT | Integer NNWD | | Total number of documents that the operator printed in that month for a particular unit. |
| STATS_PAGES_SCAN | Integer NNWD | | Total number of pages that the operator scanned in that month for a particular unit. |
| STATS_DOCS_INDEX | Integer NNWD | | Total number of documents that the operator indexed in that month for a particular unit. |
| STATS_DOCS_SCAN | Integer NNWD | | Total number of documents that the operator scanned in that month for a particular unit. |

AISTABS - Folder Tabs

Each folder tab, for an individual application, that will be processed within the AIS+ software must be defined to the system.

Entries into this table are generated through the use of the *AIS+ Folder Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Folder Tab table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|----------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSTB | |
| Table | AISTABS | |
| Index | AISIXTB1 AISIXTB2 | |

Insertions and modifications to the table are infrequent. Two unique indices are supplied (but not required). The first uses the application ID, the folder type, and the tab type all in ascending order. The second uses the application ID, the internal numeric folder type code, and the internal numeric tab code all in ascending order.

Each AIS+ AISTABS entry has a length of 34 bytes, 26 bytes of data and 8 bytes for the DB2 header. The first index entry has a length of 6 bytes and the second has a length of 6 bytes.

AISTABS utilizes a simple single tablespace. Since this table is rarely updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is rare, both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build AIS+ AISTABS.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. TABS_APPLIDCD (ASC) TABS_FOLDTYPE (ASC) TABS_TABTYPE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. TABS_APPLIDCD (ASC) TABS_FOLDTYCD (ASC) TABS_TABCD (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISTABS data row:

| Column | Type & Length | Key | Description |
|------------------|-----------------|--------------|---|
| TABS_APPLIDCD | SMALLINT NN | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| TABS_FOLDTYCD | SMALLINT NN | 2:2A | Internal numeric value used by all FAF and AIS+ tables to identify the folder type. This is system generated upon entry of a new folder type. |
| TABS_TABCD | SMALLINT NN | 2:3A | Internal numeric value used by all FAF and AIS+ tables to identify the folder tab. This is system generated upon entry of a new folder/tab combination. |
| TABS_FOLDTYPE | Char (2) NN | 1:2A | The type of folder. The type can be any two alphanumeric combination. |
| TABS_TABTYPE | Char (2) NN | 1:3A | The tab acronym. The acronym can be any two alphanumeric combination. |
| TABS_DESCRIPTION | Char (16) NN | | The full length name or description of the tab. |

AISTRAN - CICS Transaction IDs

Each CICS transaction used by AIS+ needs to be defined in the DB2 table. This allows for customers to customize the AIS+ transactions to best fit their environments. Customers may also define customer specific transactions to this table. These programs can then be initiated on any AIS+ panel that has a command line. Please call SYSCOM for more information if it is desired to implement this function.

There is no on-line facility to administer the CICS transaction customization. Modification can be performed through the use of either DB2 tools or utilities.

The following table contains the naming conventions used for the AIS+ CICS Transaction IDs table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSTR | |
| Table | AISTRAN | |
| Index | AISIXTR1, AISIXTR2 | |

Insertions and modifications to the table are rare. Two unique indices are supplied (but not required). The first uses the application ID and the AIS+ transaction ID, both in ascending order. The second uses the application ID and the user's corresponding transaction ID.

Each AIS+ AISTRAN entry has a length of 19 bytes, 11 bytes of data and 8 bytes for the DB2 header. Each index entry has a length of 6 bytes.

AISTRAN utilizes a simple single tablespace. This table is rarely modified, so the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). The percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build AIS+ AISTRAN.

| Tablespace DDL Option | Value | Description |
|------------------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined transactions. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|---|
| UNIQUE | | Index is unique. TRAN_APPLIDCD (ASC) TRAN_AIS_TRAN (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined transactions. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|---|
| UNIQUE | | Index is unique. TRAN_APPLIDCD (ASC) TRAN_USER_TRAN (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined transactions. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISTRAN data row:

| Column | Type & Length | Key | Description |
|----------------|------------------|--------------|---|
| TRAN_APPLIDCD | SMALLINT NNWD | 1:1A 2:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. |
| TRAN_AIS_TRAN | Char (4) NNWD | 1:2A | The AIS+ CICS native transaction ID. |
| TRAN_USER_TRAN | Char (4) NNWD | 2:2A | The customized CICS transaction ID. If the CICS transactions are not customized, then they must match the native AIS+ transaction ID. |
| TRAN_INUSE_SW | Char (1) NNWD | | The on-line access switch indicates whether a user can enter the transaction ID in native CICS to access a function. Y - Yes, the transaction can be used in native CICS by a user to access the function. N - No, the transaction can not be used in native CICS by a user to access the function. C - Customer, the transaction calls a customer created program that is programmed to be started with data. |

The current contents for a given application of the AISTRAN table should look as follows and should be entered into the table in sequence:

| AISTRAN | INUSE | AISTRAN | INUSE | AISTRAN | INUSE | AISTRAN | INUSE |
|---------|-------|---------|-------|---------|-------|---------|-------|
| AOFF | Y | DC01 | Y | DC02 | N | DC03 | N |
| DC04 | N | DC05 | N | DC06 | Y | DC07 | N |
| DC08 | N | | | | | | |
| FD01 | Y | FD02 | Y | FD03 | Y | FD04 | Y |
| FD05 | Y | FD06 | Y | HP01 | N | MN01 | Y |
| MN02 | Y | MN03 | Y | NT01 | Y | NT02 | N |
| NT03 | Y | NT04 | N | NT05 | N | | |
| RT01 | N | RT02 | N | | | | |
| SA01 | Y | SA02 | Y | SA03 | Y | SA04 | Y |
| SA05 | Y | SA06 | Y | SA09 | N | SA10 | Y |
| SA11 | Y | SA12 | Y | SA13 | Y | SA14 | Y |
| SO01 | Y | | | | | | |
| UT01 | N | UT02 | N | UT03 | N | UT04 | N |
| UT05 | N | UT06 | N | UT07 | N | UT08 | N |
| WM01 | Y | WM02 | Y | WM03 | Y | WM04 | Y |

AISUNIT - Unit Code

Each routing unit associated with a category of work and user supplied parameters within an application must be defined to AIS+.

Entries for this table are generated through the use of the *AIS+ Unit Code Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Unit Code table.

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | AISTSUN | |
| Table | AISUNIT | |
| Index | AISIXUN1 | |

Insertions/modifications to the table are semi-frequent. One unique index is supplied, but not required, that uses the application ID, category of work, user parameter 1 and user parameter 2 all in ascending order.

Each AIS+ AISUNIT entry has a length of 42 bytes, 34 bytes of data and 8 bytes for the DB2 header. The index entry has a length of 12 bytes.

AISUNIT utilizes a simple single tablespace. Since this table is sparingly updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is possible (but not overly frequent), both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build AIS+ AISUNIT.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. UNIT_APPL_ID_CD (ASC) UNIT_CATWORK (ASC) UNIT_USER_PRM1 (ASC) UNIT_USER_PRM2 (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of an AIS+ AISUNIT data row:

| Column | Type & Length | Key | Description |
|-----------------|--------------------------|------------|---|
| UNIT_APPL_ID_CD | SMALLINT NNWD | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| UNIT_CATWORK | Char (2) NNWD | 1:2A | The user defined category of work associated with the routing queue. |
| UNIT_USER_PRM1 | Char (4) NNWD | 1:3A | A user parameter value used in conjunction with RLOB and TRANTYPE to form a routing step. |
| UNIT_USER_PRM2 | INTEGER NNWD | 1:4A | A user parameter value to further aid with routing step distinction. |
| UNIT_RT_UNIT | INTEGER NNWD | | The route unit portion of the RTCODE/RUNIT combination that identifies a queue. |
| UNIT_MODUSER | Char (8) NNWD | | The operator ID that performed the last update. |
| UNIT_MODTIME | TIMESTAMP NNWD | | The last date the queue description was modified. |

AISUNRC - Unit/Route Code

Each routing queue consists of a routing unit and a route code. For each queue within an application, an entry must be defined to AIS+.

Entries are created for this table through the use of the *AIS+ Unit/Route Code Profile Administration* function ([AIS+ EE User Reference Manual](#)).

The following table contains the naming conventions used for the AIS+ Unit/Route Code table. AISUNRC is a view of the IBM FAF Unit/RCODE Queue Definition table (EYPTWURC).

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|--------------------|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | EYPSWURC | |
| Table | EYPTWURC | |
| Index | EYPIWURC132CU | |
| View | AISUNRC | |

Insertions and modifications to the table are semi-frequent. One unique index is supplied (but not required) that uses the application ID, the route unit, and the route code all in ascending order.

Each FAF EYPTWURC data entry has a length of 90. The AIS+ AISUNRC view is 98 bytes, 90 bytes of data and 8 bytes for the DB2 header. The index entry has a length of 12 bytes.

EYPTWURC utilizes a simple single tablespace. Since this table is sparingly updated, the locking mechanism should be set to use the "tablespace" (though most shops will utilize "any"). Again, since insertion is possible (but not overly frequent), both percent free and free pages should both be set to zero (0). There is no special requirement to have the table reside in any special bufferpool. The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build FAF EYPTWURC.

| Tablespace DDL Option | Value | Description |
|-----------------------|-------------------|---|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | TABLESPACE or ANY | The table is rarely updated and is used extensively in a read-only fashion. |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index DDL Option | Value | Description |
|------------------|-------|---|
| UNIQUE | | Index is unique. APPLIDCD (ASC) RUNIT (ASC) RCODE (ASC) |
| PRIQTY | 12 | See calculation above. |
| SECQTY | 0 | None required if primary quantity is set to carry all defined combinations. |
| PCTFREE | 0 | The table is rarely updated. |
| FREEPAGE | 0 | The table is rarely updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| FAF Column (AIS+ View Column) | Type & Length | Key | Description |
|--|--------------------------|------------|---|
| APPLIDCD (UNRC_APPL_ID_CD) | SMALLINT NN | 1:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| RCODE (UNRC_RT_CODE) | Char (6) NN | 1:3A | The route code portion of the RTCODE/RUNIT combination that identifies a queue. |
| RUNIT (UNRC_RT_UNIT) | INTEGER NN | 1:2A | The route unit portion of the RTCODE/RUNIT combination that identifies a queue. |
| WQUEDESC (UNRC_QUEDESC) | Char (60) NNWD | | The full length name or description of the queue. |
| MODUSER (UNRC_MODUSER) | Char (8) NNWD | | The operator ID that performed the last update. |
| TIMECHGD (UNRC_MODTIME) | TIMESTAMP NNWD | | The last date the queue description was modified. |

AISWORK - Work Detail

Each document that resides in routing resides in the Work Detail table. Of all the tables, this table is the most volatile! This is due to the volume of entries coming and going and changing directions (moving to other paths).

Entries to this table are created during an initial entry (AIS+ Document Index & Scan, AIS+ Document List, and AIS+ Document Modification), or modified as needed (AIS+ Work with Queued Items, AIS+ List Queue, and AIS+ Document Modification).

The following table contains the naming conventions used for the AIS+ Work Detail table. AISWORK is a view of the IBM FAF Work Detail table (EYPTWDET).

| DB2 Component | AIS+ Supplied Name | Your Company Naming Convention |
|---------------|---|--------------------------------|
| Storage Group | N/A | |
| Database | N/A | |
| Tablespace | EYPSWDET | |
| Table | EYPTWDET | |
| Index | EYPID1101213U EYPID131213U AISIXWK4 | |
| View | AISWORK | |

Insertions and modifications to the table are extremely frequent. Three indices are supplied. The first utilizes the application ID code, the folder token, the object timestamp, and the IODM create site, all in ascending order. The second index utilizes the application ID code, the routing unit, the object timestamp, and the IODM create site, all in ascending order. The third index utilizes the application ID code, the assigned employee ID, the routing unit, the routing code, the work indicator, the work priority, and the entry timestamp into work detail, all in ascending order (except priority which is in descending order).

Each AIS+ AISWORK view entry has a length of 210 bytes, 202 bytes of data and 8 bytes for the DB2 header (the EYPTWDET table actually has a length of 187 bytes). The index lengths are respectively 26 bytes, 20 bytes, and 33 bytes.

EYPTWDET utilizes a simple single tablespace. Since this table is constantly updated, the locking mechanism should be set to use "any". Insertion and modification are frequent. The percent free should be set at 80 and the free pages should be set at 5. The table would best reside in a special bufferpool (BP1 or BP2). The data does not need to be erased when the table is dropped. This table is used frequently by the application, so the tablespace should not be closed each time it is used.

For information regarding space calculations, refer to the example for the AIS+ AISAPPL table or the [IBM DB2 Installation Guide V6.1, Section 2.2.2 DASD Storage for User Data](#).

The following table reflects the aforementioned DB2 options required to build FAF EYPTWDET.

| Tablespace DDL Option | Value | Description |
|-----------------------|------------|--|
| SEGSIZE | N/A | Simple tablespace does not use segments. |
| NUMPARTS | N/A | Simple tablespace does not use partitions. |
| LOCKSIZE | ANY | Due to the frequency of modification, it is best to let DB2 determine how to best utilize the locking methodology. |
| PRIQTY | 3608 | See calculation above. |
| SECQTY | 1804 | See calculation above. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 5 | The table is frequently updated. |
| BUFFERPOOL | BP1 or BP2 | This table should be in its own buffer pool due to the nature of activity. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 1 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. APPLIDCD (ASC) FOLDTKN (ASC) OBJTIME (ASC) CRTESITE (ASC) |
| PRIQTY | 500 | See calculation above. |
| SECQTY | 250 | See calculation above. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 2 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. APPLIDCD (ASC) RUNIT (ASC) OBJTIME (ASC) CRTESITE (ASC) |
| PRIQTY | 388 | See calculation above. |
| SECQTY | 194 | See calculation above. |
| PCTFREE | 20 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

| Index 3 DDL Option | Value | Description |
|--------------------|-------|--|
| UNIQUE | | Index is unique. APPLIDCD (ASC) ASGNEMPL (ASC) RUNIT (ASC) RCODE (ASC) WORKIND (ASC) PRIORITY (DESC) ENTRTIME (ASC) |
| PRIQTY | 2528 | See calculation above. |
| SECQTY | 1264 | See calculation above. |
| PCTFREE | 80 | The table is frequently updated. |
| FREEPAGE | 0 | The table is frequently updated. |
| BUFFERPOOL | BP0 | Most shops use bufferpool 0 for the majority of their work. |
| CLOSE | NO | Table is constantly being accessed. |
| ERASE | NO | The data in the table does not need to be erased whenever the table is dropped. |

The following information describes the contents of a FAF EYPTWDET data row:

| Column | Type & Length | Key | Description |
|-------------------------------|-------------------|----------------------|---|
| APPLIDCD (WORK_APPL_ID_CD) | SMALLINT NN | 1:1A 2:1A 3:1A | Internal numeric value used by all FAF and AIS+ DB2 tables to identify data elements belonging to an application. This is system generated upon entry of a new application. |
| RCODE (WORK_RT_CODE) | Char (6) NN | 3:4A | The route code portion of the RTCODE/RUNIT combination that identifies a queue. |
| RUNIT (WORK_RUNIT) | INTEGER NN | 2:2A 3:3A | The route unit portion of the RTCODE/RUNIT combination that identifies a queue. |
| RLOB (WORK_RLOB) | Char (6) NN | | The routing line-of-business used in conjunction with TRANTYPE and USERPRM1 to form a routing step. |
| PRIORITY (WORK_PRIORITY) | SMALLINT NN | 3:6D | The priority level currently calculated for this document. The maximum is 999. |
| USERPRM1 (WORK_USER_PRM1) | Char (4) NN | | A user parameter value used in conjunction with RLOB and TRANTYPE to form a routing step. |
| USERPRM2 (WORK_USER_PRM2) | INTEGER NN | | A user parameter value to further aid with routing step distinction. |
| DOCNO | SMALLINT NN | | Currently not used by AIS+. |
| TRANTYPE (WORK_TRAN_TYPE) | Char (6) NN | | The transaction type used in conjunction with RLOB and USERPRM1 to form a routing step. |
| FOLDTKN (WORK_FOLD_TKN) | TIMESTAMP NN | 1:2A | The unique internal timestamp generated by FAF to identify a folder. |
| RECVDATE (WORK_RECV_DATE) | DATE NN | | The date specified as the document's receive date. |
| OBJTIME (WORK_OBJ_TIME) | TIMESTAMP NN | 1:3A 2:3A | The unique internal timestamp generated by FAF to identify an object. |
| CRTESITE (WORK_CRTESITE) | Char (4) NN | 1:4A 2:4A | The IODM symbolic name that originally stored the document into the system. |
| TIMECHGD (WORK_MODTIME) | TIMESTAMP NNWD | | The date and time this record was last updated. |
| ASGNEMPL (WORK_ASGN_EMP) | Char (8) NN | 3:2A | The user ID of the individual assigned to process the document. |
| PROCEMPL (WORK_PROC_EMP) | Char (8) NN | | The user ID of the individual who is processed the document. |
| HOLDDATE (WORK_HOLD_DATE) | DATE | | The document is suspended or held until the date specified. |
| HOLDTIME (WORK_HOLD_TIME) | TIME | | The document is suspended or held until the time on the date specified. |

| Column | Type & Length | Key | Description |
|----------------------------------|-------------------|------|---|
| AGINGDTE (WORK_AGE_DATE) | DATE NN | | The date from which aging is based. For each day passed, priority will be properly incremented; thus, allowing the document to rise to the top of the processing queue. |
| EXPRDATE (WORK_EXP_DATE) | DATE | | The date the document is to be removed from routing. |
| BASEPRIO (WORK_BASEPRIO) | SMALLINT NN | | The base priority value assigned to the document based upon its current priority status. |
| AGEPRIO (WORK_AGEPRIO) | SMALLINT NN | | The additional priority to be added to the base priority calculated from the elapsed days the document has resided within the queue. |
| OVERPIND (WORK_PRTY_IND) | Char (1) NN | | The priority level currently assigned to the document. N - Normal L - Low M - Medium H - High X - Maximum |
| USERDET | Char (40) NNWD | | Not currently used by AIS+. |
| PREVEMP (WORK_PREV_EMP) | Char (8) NNWD | | The previous user ID that accessed the document while processing it in its queue. |
| PREVUNIT (WORK_PREV_RUNIT) | INTEGER NNWD | | The previous route unit that processed the document. |
| PREVCODE (WORK_PREV_RCODE) | Char (6) NNWD | | The previous route code that processed the document. |
| WORKIND (WORK_WORK_IND) | Char (1) | 3:5A | The current status of the work detail entry. A - Available for processing H - On hold I - Inprocess (currently being worked by a user ID) |
| MODUSER (WORK_MODUSER) | Char (8) | | The user ID that last accessed or initiated this record. |
| ENTRTIME (WORK_ENTRY_TIME) | TIMESTAMP | 3:7A | The time in which the detail entry was created in the table. |
| USERDET (WORK-USERDET) | CHAR(40) | | User Details. |
| PREVRLOB (WORK-PREV-RLOB) | CHAR(6) | | The previous routing line of business (RLOB) that processed the document |
| PREVTRAN (WORK-PREV-TRANTYPE) | CHAR(6) | | The previous transaction type that processed the document. |

Appendix D: AIS+ Routing Overview

This section provides an overview of the methods used to route documents in the AIS+ system. The AIS+ system uses a combination of DB2 tables and information which can be supplied in the Customer Data Exit.

Tables:

AISDCMT - This table is the AIS+ document or form control table. It defines the common attributes of any document which is defined to the system using this form name. Two columns in this table are used to trigger routing of documents entered into the system via this form name. They are RLOB and TRAN TYPE (Routing line of business and Transaction type). The routing line of business is used to indicate the line of business which will be served by imaging application. The transaction type is used to indicate what type of processing will occur for a document indexed and scanned into the application.

AISRLTT - This table is the AIS+ routing line of business/transaction type table. The unique index into this table is application code, RLOB, TRANTYPE, and USERPRM1. RLOB and TRANTYPE were explained for the previous table, but USERPRM1 is a new variable in the whole routing scheme. This value must be supplied from the AIS+ customer data exit for Option code 1. If the value is not specified, then the column will default to spaces. For now, we will assume that no value has been supplied for the user parameter from the customer data exit. Later we will discuss the column in more detail.

This table is the routing driver of the system. From this table we retrieve the routing code and a category of work. These two fields are important because they will be used to query the other two routing tables to ultimately retrieve the unit to which work will be assigned. Three new variables have been introduced here, route code, category of work and unit code. Route code refers to an action that an operator will perform while working the document. Category of work is used in conjunction with the user parameter 1 mentioned above and another customer data exit variable, user parameter 2, to retrieve the unit code from the AISUNIT table to which work will be assigned. A unit code refers to a specific group, team, or department within an organization which is responsible for performing specific functions for specific documents or customers within the organization. All the variables mentioned above will be referenced again later.

AISUNIT - This is the AIS+ Unit Code table and is used to retrieve the appropriate team which will work the document. The index into this table is application code, category of work, user parameter 1 and user parameter 2. Remember from above that category of work was retrieved from the AISRLTT table and the user parameters were retrieved from the customer data exit. User parameter 1 will always default to spaces if no value is specified in the exit, and user parameter 2 will default to zero if no value is specified.

AISUNRC - This is the Unit Code/Route Code validation table. Once the route code is retrieved from the AISRLTT table, and the unit code is retrieved from the AISUNIT table, a query is made to this table to verify that the combination of the route code and unit code is valid. In addition, since AIS+ considers the two to be equal to a routing queue, a queue description is provided in the table.

Examples:

1. In a simplified routing situation, document 1 would always go a data entry stop 1 and be worked by team 1. For this case, no coding of the customer data exit for routing is necessary. Simply assure that there is an entry in the AISUNRC table for data entry stop 1 (call this route code 'ENTRY1') and team 1 (call this unit code '0001'). Additionally a AISUNIT entry must be made specifying unit code '0001' with the default user parameters (spaces and zero respectively) and a unique category of work (call this '01'). Next make sure there is an entry in the AISRLTT table which contains the RLOB and TranType specified in the AISDCMT table, the default user parameters (spaces and zero), the route code 'ENTRY1', and the category of work specified in the AISUNIT table.

In the above situation, routing of a specific type of document has been accomplished through the AIS+ system without any additional exit code having to be written.

2. Not all routing scenarios are as simple as the first one above. In this example, document 'A' will go to Team 1 if the folder (or customer) is from the western region of the country, and Team 2 if the folder is from the eastern region of the country. This is where user parameter 2 will become useful. In the customer data exit, you will need to specify 2 unique values to this field, one for each region of the country. Code can be written to interrogate the folder ID, query an external database or file, or look at other aspects of the document to determine which value will be propagated into the user parameter 2 field.

In the above situation, the only table which will need to have entries added is the AISUNIT table, since it is the only one which looks at the user parameter 2 value. All other values and table entries will stay the same. The AISUNIT table will contain two entries, both with the same user parameter 1 (spaces), and the same category of work ('01'). However there will be an entry for Team 1 (unit code '0001') and Team 2 (unit code '0002') and each of these rows will have a unique user parameter 2 value which will match what is being propagated in the customer data exit.

3. If a specific document type (document A) can have two different functions performed based upon the folder ID or some external information, then user parameter 1 becomes useful. In this situation, you would have two AISUNIT rows (each referring to team 1 or unit code '0001') with default user parameter 2 values, category of work values of '01' and unique user parameter 1 values. The AISRLTT table would have two rows propagated into it, one would have a unique value for user parameter 1 pointing to category of work '01' and a route code of 'ENTRY1' while the second row would contain references to category of work '01' and route code 'ENTRY2'. This will accomplish routing the document to different functions within the same unit or team based on an external parameter.

The three previous examples only begin to show the power you have within your exits to create complex routing scenarios using both user parameter values. It is important to note that this logic is not only valuable for documents originally scanned into the system. You may have a secondary routing stop that you set up so that the operator routing the document does not have to know the specifics about what team or route code to send the document, but only the routing line of business and the type of transaction to be performed at the next routing step. With the addition of the Next RLOB and transaction type, The next routing stop for a document can be predetermined, requiring no action from the operator except to press a function key to route the documents.

Appendix E: Customization Standards

Naming Standards

Exit Names

The AIS+ provides the following Exits:

- AIEX001P - Customer Data Exit
 - AIEX002P - Validate Data Exit
 - AIEX003P - Routing Data Exit
 - AIEX004P - Storage Management Exit
 - AIEX005P - Security Exit
 - AIEX013P - Event Format Exit
 - AIEX015P - Pre-fetch Exit
 - AIEX016P - Field Edit Exit
 - AIEX017P - Object Deletion Exit
 - AIEX018P - Operator Administration Security Exit
- If your site uses only one application and there is no requirement to customize the Exits, you can install the Sample Exit Programs provided with AIS+ software.
 - If your site needs to customize the exits for one application to combine specific business requirements with the AIS+ functions, the exit programs that are provided with the AIS+ software can be modified.
 - If your site uses more than one application and each application requires a different set of Exits, you can copy the Exits into a different named member for each application. Each Exit Name should be given a unique Suffix character. The suffix character can be '0' through '9' and 'A' through 'Z'. When adding an application to AIS+, the suffix assigned will need to be entered into the application profile setup. Below is a list of sample exits for a particular application. Figure 2 shows the application profile setup screen to add Application 'AA'. Notice that the 'Exit Name Suffix' must be entered and must match the exit names created unless you are using the default exits shipped with the software.
 - AIEX001N - Customer Data Exit
 - AIEX002N - Validate Data Exit
 - AIEX003N - Routing Data Exit
 - AIEX004N - Storage Management Exit
 - AIEX013N - Event Format Exit
 - AIEX015N - Prefetch Exit
 - AIEX016N - Field Edit Exit
 - AIEX017N - Object Deletion Exit
 - AIEX018N - Operator Administration Security Exit

NOTE: The only valid name for the Security Exit is AIEX005P.

```

APPLICATION PROFILE 1                                ADD    SA09

APPLICATION CODE: 26 ID: AA  TABLESET: 7  DESCRIPTION: MORTGAGE APPLICATION
CREATE SITE:  ODMF  COLLECTION: EYP.COLLECT0
AVAILABLE APPLICATION CODES ARE:

  ' 26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,
50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,
75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99

DATE FORMAT: 1                                TIME DISPLAY FORMAT: 1
1=MM/DD/YYYY 2=DD/MM/YYYY 3=DD.MM.YYYY        TIME ENTRY  FORMAT: 1
4=YYYY-MM-DD 5=DD-MM-YYYY 6=DD MM YYYY        1=12 HR  2=24 HR

DOCUMENT LIST FORMAT: 1  FOLDER TAB LIST FORMAT: T  NUMBER OF WORK ITEMS: 99
(1-30 CHAR, 2-60 CHAR)                                SORT WORK ITEMS : P
SYSTEM ADMINISTRATOR ID: SYSCOM  SYSTEM ADMINISTRATOR PW: SYSCOM
TEMP ID TYPE: 3  TEMP ID PREFIX: _  FOLDER TYPE PREFIX (Y,N): N
COPY IND (L,C): L  DELETE IND (L,C): L  MAX DAYS: 060  FUTR DAYS: 030
EXIT NAME SUFFIX: P  MAP NAME SUFFIX: M  MAXIMUM PRIORITY: 951

PF 3=EXIT 5=ADD 12=CANCEL

```

Figure 2 – Entering Exit Name Suffix During Application Profile Creation

Map Names

A Map is text that is displayed on your computer screen and is organized in a consistent manner. The text and its organization depend on the function of the map.

- If your site uses only one application and there is no need to customize the maps, you can install the maps as they are provided with AIS+.
- If your site uses only one application but there is a requirement to customize the maps, the maps provided with AIS+ may be customized.
- If your site uses more than one application and each application requires a different set of maps, you can copy the maps into a different named member for each application. Each Map Name, except the sign-on maps (AISO01M and AIMN01M) should be given a unique Suffix character. The suffix character can be ‘0’ through ‘9’ and ‘A’ through ‘Z’. When adding an application to AIS+, the suffix assigned will need to be entered into the application profile setup. Figure 3 shows the application profile setup screen to add Application ‘AA’. Notice that the ‘Map Name Suffix’ must be entered and must match the map names created unless you are using the defaults shipped with the software. The following is an example of the main menu map name as it is shipped and customized for suffix “B”:

As shipped: AIMN02M Customized: AIMN02B.

```

APPLICATION PROFILE 1                ADD    SA09

APPLICATION CODE: 26 ID: AA  TABLESET: 7  DESCRIPTION: MORTGAGE APPLICATION
CREATE SITE:  ODMP  COLLECTION: EYP.COLLECT0
AVAILABLE APPLICATION CODES ARE:

    ' 26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,
50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,
75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99

DATE FORMAT: 1                      TIME DISPLAY FORMAT: 1
1=MM/DD/YYYY  2=DD/MM/YYYY  3=DD.MM.YYYY  TIME ENTRY  FORMAT: 1
4=YYYY-MM-DD  5=DD-MM-YYYY  6=DD MM YYYY  1=12 HR  2=24 HR

DOCUMENT LIST FORMAT: 1  FOLDER TAB LIST FORMAT: T  NUMBER OF WORK ITEMS: 99
(1-30 CHAR, 2-60 CHAR)                      SORT WORK ITEMS : P
SYSTEM ADMINISTRATOR ID: SYSCOM  SYSTEM ADMINISTRATOR PW: SYSCOM
TEMP ID TYPE: 3  TEMP ID PREFIX: _  FOLDER TYPE PREFIX (Y,N): N
COPY IND (L,C): L  DELETE IND (L,C): L  MAX DAYS: 060  FUTR DAYS: 030
EXIT NAME SUFFIX: P  MAP NAME SUFFIX: M  MAXIMUM PRIORITY: 951

PF 3=EXIT 5=ADD 12=CANCEL
    
```

Figure 3 – Entering Map Name Suffix During Application Profile Creation

Basic Rules for Customizing Maps

When customizing the maps, the following is acceptable:

- Change the title of any map
- Change any hard-coded text on the map, including instructional text and field names

The following sign-on map names cannot be given a unique suffix other than 'M':

- AISO01M
- AIMN01M

The following restrictions apply when customizing the maps:

- Do not change the order of the fields on a map
- Do not change the field format (field type) or length
- Do not add or delete fields

Transaction Names

The AIS+ software is delivered with the default transaction names for each function. These transaction names can be customized for each application in AIS+. The table AISTRAN consists of all the transaction names for each application. When a new application is created, the AISTRAN table must be updated to incorporate all the transaction names for that application. The AISTRAN table consists of the following fields:

| Column | Type & Length | Description |
|----------------|---------------|---|
| TRAN_APPLIDCD | Small Integer | The Application code number assigned to each application. The Application code number for the application created can be determined by listing the AISAPPL table. |
| TRAN_AIS_TRAN | Char (4) | The AIS+ native transaction name. Note: The values in this field must not be changed. |
| TRAN_USER_TRAN | Char (4) | You may change the value in this field to a customized transaction name. The customized transaction name must not be repeated within the same application. These transaction names must be entered in the proper CICS tables. |
| TRAN_INUSE_SW | Char (1) | Indicates whether the transaction can be entered from native CICS screen. Note: The value in this field must not be changed. |