



# Infor XA – Infor Development Framework User's Guide

Initial Release

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### **Publication Information**

Release: Infor XA 9.1

Publication date: March 5, 2013

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## To the reader

This book contains the information you need to understand and run the Infor Development Framework (IDF). The information in this book applies only to applications developed for use with the IDF.

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## Before you begin

Complete the System i system education for the basic operating concepts of the System i system if you do not have equivalent knowledge.

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## What this book contains

Chapter 1 acquaints you with the Infor Development Framework and describe the options on the IDF Main Menu.

The next chapters discuss the options on the IDF Maintain Menu in greater detail. For example, Chapter 2 contains information about option 1, option 2, option 3, and option 4 on the IDF Main Menu. Each chapter includes information about how to use the displays associated with each option.

The appendix contains information about IDF security areas.

The glossary defines important terms for the Infor Development Framework.

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## Summary of changes

This document describes the initial release of the Infor Development Framework.

# Contents

<b>To the reader</b> .....	iii
Before you begin .....	iii
What this book contains .....	iii
<b>Summary of changes</b> .....	iv
<b>Chapter 1. Introducing Infor Development Framework</b> .....	1-1
Infor Development Framework .....	1-1
Library name suffixes .....	1-2
Library lists .....	1-3
Standard .....	1-3
Test .....	1-3
Dedicated mode .....	1-4
License management .....	1-6
IDF Main Menu .....	1-7
Option 10. Security Maintenance .....	1-8
Option 11. Application Maintenance .....	1-9
Option 12. Environment Support .....	1-10
<b>Chapter 2. Inquiry and Reports</b> .....	2-1
Option 1. Application Status Inquiry .....	2-2
Option 2. PTF Status Inquiry .....	2-3
PSZS91—Application PTF Status (Inquiry) .....	2-3
PMZS92—Application PTF Status (Inquiry) .....	2-4
Option 3. Application Log Report .....	2-4
AMZALG01—Application Log Listing (Option) .....	2-5
Application Log (AMZX6) .....	2-6
Option 4. File Status Report .....	2-7
File Status Listing (AXZZP) .....	2-7
<b>Chapter 3. Maintenance</b> .....	3-1
Option 5. Job Status Maintenance .....	3-1
AXZSU1—Job Status (Update) .....	3-1
AXZSU2—Job Status (Update) .....	3-3
AXZSU3—Job Status (Display) .....	3-5
Option 6. Unattached Job Status Maintenance .....	3-7
AXZDU1—Unattached Job Status (Update) .....	3-7
AXZDU2—Unattached Job Status (Detail) .....	3-8
<b>Chapter 4. Back Up/Reorganize</b> .....	4-1
Option 7. Back Up IDF Files .....	4-2
PSZU81C—Back Up Options (Select) .....	4-2
Option 8. Back Up IDF Programs .....	4-3
PSZU81C—Back Up Options (Select) .....	4-3
Option 9. Reorganize IDF Files .....	4-5
AXZZ81—Reorganize Master Files (Select) .....	4-5
AXZZ82—Reorganize Master Files (Select) .....	4-6
AXZZ83—Reorganize Master Files (Options) .....	4-8
File Reorganization Audit (AXZZ9) .....	4-9
<b>Chapter 5. Security Maintenance</b> .....	5-1
Before you begin .....	5-2
Understanding application security .....	5-2
How to lock access to the environment .....	5-3

How to control access to IDF and System i commands	5-3
Using the rest of this chapter	5-3
Option 1. Area and task authorizations	5-4
Lock or unlock a security task	5-4
Option 2. User authorizations	5-5
Add a user	5-5
Delete a user	5-5
Revoke all authorizations for a user	5-6
Copy authorizations from one user to another	5-6
Maintain area and task authorizations for a user	5-6
Option 3. Generate reports	5-7
Security - Sorted by User, Area (AMZANPFR)	5-7
Security - Sorted by User, Area, Task (AMZAQPFR)	5-8
Security - Sorted by User, Task (AMZARPFR)	5-9
Security - Sorted by Task, User (AMZASPFR)	5-11
Security - Sorted by Area, Task, User (AMZATPFR)	5-12
Security - Sorted by Area, User (AMZAUPFR)	5-14
Option 4. Work with User Profiles	5-14
Option 5. Work with Client Data Connection User Profiles	5-15
Option 6. Synchronize Security Files	5-15
Security panels	5-16
Add Area	5-17
Add Tasks	5-18
Add User Profile	5-19
Attach User to User Group	5-20
Attach User Group to User	5-21
Authorize to Areas	5-22
Authorize to Tasks	5-23
Authorize Users to Area	5-24
Authorize Users to Task	5-25
Change User Authority – Areas	5-26
Change User Profile	5-27
Confirm Delete of User	5-28
Confirm Revoke of Authorizations	5-29
Display Tasks	5-30
Display User Profile	5-31
Display User Authority – Areas	5-32
Maintain Security Areas	5-33
Maintain Tasks	5-34
Maintain User Security	5-35
Print Options	5-36
Select Security Report	5-37
Specify Area	5-38
Specify Task	5-39
Specify User (for reports)	5-40
Specify User (to copy authorizations)	5-41
Work with IDF user profiles	5-42
Work with Client Data Connection User Profiles	5-43
<b>Chapter 6. Application Maintenance</b>	<b>6-1</b>
Option 1. Apply ECS PTF To Test Library	6-1
AMZPCEA—Apply ECS PTF to Test Library	6-2
Option 2. Apply Tested Changes	6-3
AMZPC9A—Permanently Apply Tested Changes	6-3

<b>Chapter 7. Environment Support</b> .....	7-1
Before you begin .....	7-2
Identifying an environment .....	7-2
Environment library list .....	7-3
Routing entries .....	7-3
Option 1. Maintain Library List .....	7-3
PSZUE1—Maintain Library List (Select) .....	7-4
PSZUE2—Maintain Library List (Change) .....	7-5
Maintain Library List - Edit List (AMZUE3) .....	7-6
Option 2. Add Routing Entry for Environment .....	7-7
AMZEESW1—Add Routing Entry for Environment (Select) .....	7-7
Option 3. Display Environments .....	7-8
PSZUF1—Display Environments (Select) .....	7-9
PSZUF2—Display Environments—Library List (Review) .....	7-10
Option 4. List Environments .....	7-11
List Environments (AMZUI1) .....	7-11
Option 5. Delete Environment .....	7-12
PSZUD1—Delete Environment (Select) .....	7-12
PSZUD2—Delete Environment—Library List Display (Review) .....	7-13
Delete Environment - Edit List (AMZUD3) .....	7-15
<b>Appendix A. Security tasks</b> .....	A-1
Infor Development Framework GRP tasks .....	A-1
Security Maintenance lockout .....	A-2
Access to an environment lockout .....	A-3
<b>Glossary</b> .....	GL-1
<b>Index</b> .....	IN-1

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## Chapter 1. Introducing Infor Development Framework

Use Infor Development Framework (IDF) to install and manage the applications that are developed for use with the IDF. IDF includes the functions that help ensure that the applications run smoothly. You choose these functions by using the IDF Main Menu (AMZM00).

```
AMZM00                IDF Server Development Environment          QPADEV0019
                        IDF Main Menu                            UU

Type option or command; press Enter.

    1. Application Status Inquiry
    2. PTF Status Inquiry
    3. Application Log Report
    4. File Status Report
    5. Job Status Maintenance
    6. Unattached Job Status Maintenance
    7. Back Up IDF Files
    8. Back Up IDF Programs
    9. Reorganize IDF Files
   10. Security Maintenance >>
   11. Application Maintenance >>
   12. Environment Support >>

==> _____

F3=Exit      F4=Prompt   F9=Retrieve  F10=Actions
F11=Job status F12=Return  F22=Messages
```

Library name suffixes .....	1-2
Library lists .....	1-3
Dedicated mode .....	1-4
License management .....	1-6
IDF Main Menu .....	1-7

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## Infor Development Framework

The Infor Development Framework (IDF) is the set of functions that support the client/server application objects developed for specific Infor ERP products. The IDF functions provide the ability to tailor and focus application information to specific tasks and users for increased productivity. The IDF functions allow users to:

- **Customize application information.** The IDF provides tools that allow users to change their views of application objects to show the information critical to their tasks and hide information not needed for those tasks. These customizations can be saved and used by a single user, shared among a group of users, or be made available to all users in the environment. Users can also apply customizations as defaults, or preferences, for viewing and working with information in an object.
- **Extend application information.** The IDF contains functions for both simple and more complex extensions to application objects. The attachments function allows users to define a media file, which is maintained outside of the environment, and associate it with an application object. For example, a media file containing a graphic file showing a map of a warehouse might be associated with a warehouse



application object. The attachment between the media file and the application object persists even when a user changes the media file or the application object.

For more complex extensions, the IDF provides the Integrator. With the Integrator, users can create new attributes within an application object and can create entirely new application objects for use in Infor ERP products. To connect data to new attributes in an Infor object or to a new application object, the IDF supports various types of data sources.

- **Organize application information for specific tasks.** To maximize the effectiveness of the customizations defined for application objects in an environment, the IDF provides functions that allow users to collect associated customizations into a grouping that can be applied with one selection. These groupings of customizations give users increased flexibility and efficiency for deploying customizations.

A workspace, or group of customizations for a single application object, lets users define a set of customizations for a particular use and apply all of those customizations by applying the workspace. A navigation workbench is the customization function that serves as the platform for implementing the broadcasting and receiving functions for a set of objects. The IDF broadcast and receive functions allow users to use their selections in one application object (broadcasting object) to control information shown in other, related application objects (receiving objects). Users save the setup for broadcasting and receiving among a specific set of objects in a navigation workbench, then implement broadcasting and receiving function among those objects by selecting that navigation workbench.

- **Track the use of application objects.** The IDF includes functions that track user activity during an environment session. By default, the IDF maintains a navigation history list of all application objects an individual user navigates to during an environment session. During that session, the user can return to a previous object simply by selecting it in the navigation history list. The navigation history list persists during the environment session, but is not retained when the user ends the session. (The IDF provides the bookmark function to allow a user to create and save a list of frequently used objects to use for quick navigation in current and future environment sessions.) In addition, the IDF generates a record every time any user in an environment performs maintenance on an application objects. This list of records appears as maintenance history.

For tracking maintenance activity, the IDF allows users to set up reason codes to classify the types of maintenance activities performed on application objects. Users can then specify which application objects require reason codes to be entered when performing maintenance activities. When an object requires a maintenance reason, the maintenance history record generated by the IDF for any maintenance activity on that object also includes the maintenance reason. Users can then use the maintenance reasons to track different types of maintenance for the specified objects.

---

## Library name suffixes

For an environment to be used with the IDF, it must have a two-character designator. If the environment has a different number of characters in the identifier, you must assign the environment a two-character designator during the installation of the IDF or when the environment is imported into the IDF. In the examples throughout this document, the suffixes **x** and **y** are added to the library names to represent these designators.

The **x** is the first character of an environment designator. It is the suffix added to a program library name. The **y** is the second character of an environment designator. It is the suffix added to a file library or a non-resident library name. For example, in environment AB, AMALIBx represents the program library AMALIBA and AMFLIBy represents the file library AMFLIBB.

For more information on the IDF libraries and environment designators, see the “Library lists” section and Chapter 7, “Environment Support.”

---

## Library lists

During processing, IDF uses selected libraries for locating the correct programs, files, data areas, and so forth.

Depending on the type of IDF job being processed, one of the following library lists is used:

- Standard
- Test.

### Standard

The Standard library list used is:

- QTEMP
- AMCESLIB
- AMCESSQL
- AMALIBx (programs)
- AMFLIBy (master files)
- QGPL.

### Test

If you are making modifications to IDF programs or files, it is a good idea to create your modified objects in a test library that you create for this purpose. The test library should be added to the top of the library list just after the temporary library QTEMP so your modified objects are found instead of the standard IDF objects. This test library allows you to make changes and test them or to continue running in this mode permanently, without actually replacing the original objects. This test library also helps you to isolate and control your modifications when applying a Program Corrective Maintenance tape from Infor.

You can insert your test library in the list using option 1, Maintain Library List, on the Environment Support menu (AMZMXC). These libraries should be used for testing modifications:

- QTEMP
- AMCESLIB
- AMCESSQL
- Test library (you create and add to the list)
- AMALIBx (programs)
- AMFLIBy (master files)
- QGPL.

**Note:** If you change the library list for a particular IDF environment, then it is changed for all users of that environment. For this reason, you may want to create a

separate environment for testing your modifications and then move your changes to the production environment after you are through testing them.

---

## Dedicated mode

Some IDF options require dedicated mode in order to run; no other IDF jobs can be running in the environment at the same time. The following table shows the IDF menu options that you must run in dedicated mode.

Menu	Option	Description
AMZM00	1	Application Status
	3	Application Log <sup>a</sup>
AMZMXB	2	Permanently Apply Tested Changes
AMZM70	1	Maintain Library List <sup>b</sup>
	5	Delete Environment <sup>c</sup>

- a. Dedicated mode if you choose to remove APPLOG file entries
- b. Dedicated mode required in the TO (changed) environment
- c. Dedicated mode required in the FROM (deleted) environment

Before selecting a menu option that requires dedicated mode, perform the following steps in the environment that you are working in:

1. Hold all active unattached jobs by choosing option 6, Unattached Job Status Maintenance, on the IDF Main Menu (AMZM00).

**Note:** If you do not perform this step when you select a menu option requiring dedicated mode, the system attempts to hold these unattached jobs for you.

2. Check the subsystems to see if any other jobs are running. To do this, type the following command on the command line:

```
WRKACTJOB
```

and press **Enter**.

When the Active Jobs display opens, check the jobs that are shown for QINTER. Any interactive jobs for IDF appear in this subsystem. Your job should be the only one shown.

3. If there are other active users in QINTER, send a message to all workstation operators requesting that they end IDF processing. Type:

```
SNDBRKMSG MSG('DEDICATED MODE REQUIRED FOR  
ENVIRONMENT XY. PLEASE EXIT THIS  
IDF ENVIRONMENT. SYSTEM OPERATOR')  
TOMSGQ(*ALLWS)
```

and press **Enter**.

The workstation operators receive the message and should sign off as soon as possible.

**Note:** The workstation operators might be running jobs other than IDF. If they are, they can continue to run non-IDF jobs.

4. Refer again to the Active Jobs display and check the jobs that are listed for QBATCH. If the job name starts with AMy, where y is the file library designator for

the environment, it is an IDF batch job. You cannot start a dedicated job until the IDF batch jobs for that environment are completed. If the listed jobs are non-IDF related jobs, they may continue to run.

5. To prevent other batch jobs from running, hold the batch job queues. To do this, type the following command on the command line:

```
HLDJOBQ JOBQ(QBATCH1)
```

and press **Enter**.

Repeat the command for each IDF job queue (QBATCH2 through QBATCH6).

The system does not initiate any new batch jobs.

**Note:** If you have job queues in addition to QBATCH 1-6, these job queues must also be put on hold.

When all IDF jobs, both interactive and batch, have been completed or been held, you can select the menu option that requires a dedicated mode. Each job that runs in dedicated mode checks to make sure the system is in dedicated mode. In addition, each job performs functions to prevent other IDF jobs from initiating while they are running. For example, if a workstation operator attempts to initiate an interactive job while a dedicated mode menu option is being processed, the operator receives a message and is prevented from starting the job.

After completing all dedicated mode functions, perform the following steps:

1. Release the job queues. To do this, type the following command on the command line:

```
RLSJOBQ JOBQ(QBATCH1)
```

and press **Enter**.

The system starts initiating batch jobs once again.

**Note:** If you have job queues in addition to QBATCH 1-6, then these job queues must also be released.

2. Inform the workstation operators that dedicated mode is no longer required. To do this, type the following command on the command line:

```
SNDBRKMSG MSG('DEDICATED MODE COMPLETED FOR  
ENVIRONMENT XY. YOU CAN SIGN ON TO THIS  
IDF ENVIRONMENT. SYSTEM OPERATOR')  
TOMSGQ(*ALLWS)
```

and press **Enter**.

All workstation operators receive the message and can sign on again.

3. Release the unattached jobs that were held so the system can run in dedicated mode.

**Note:** If you allowed the system to hold unattached jobs when you selected a menu option requiring dedicated mode, the system automatically releases the unattached jobs when dedicated mode jobs complete.

---

## License management

Infor gives you a choice of licenses you can purchase for your company:

<b>Tier user</b>	This license allows unlimited users (processor based). Some individual applications may have a specific limitation on the number of users or workstations.
<b>Registered user</b>	This license allows one named user per device (PC or other workstation) up to the requested usage limit. Infor does not set the usage limit. Each user can access the IDF from one device at a time.

**Note:** IDF license management allows a 30-day grace period, which allows you to exceed your usage limit by 50% for a 30-day period. The grace period begins the first time a user who causes the preset limit to be exceeded signs on to the IDF. During the grace period, all users will receive warning messages when they sign on to the IDF, but they will be allowed to run the IDF. After the grace period ends, IDF license management denies access to the IDF by any additional users who would cause the usage limit to be exceeded.

IDF requires a license key for each application. You must obtain a renewal license key from Infor each year. To request license keys, contact Infor through the normal telephone support number, the Infor365 Support website, or Infor Portal. The following information must be provided:

- Customer number.
- System model number.
- System serial number.
- CPU processor number.
- A list of IDF applications you have licensed.

Infor will provide an 18-character encrypted code, which you must enter into your System i in order to activate the license key.

See your IDF product representative for more information on licenses.

## IDF Main Menu

To understand how Infor Development Framework (IDF) helps you with the overall operation of your applications, you need to understand the IDF menus and their options.

Note that option 10, Security Maintenance, option 11, Application Maintenance, and option 12, Environment Support, lead to second-level menus which are shown following the description of the options on the IDF Main Menu (AMZM00).

```
AMZM00                IDF Server Development Environment          QPADEV0019
                        IDF Main Menu                            UU

Type option or command; press Enter.

    1. Application Status Inquiry
    2. PTF Status Inquiry
    3. Application Log Report
    4. File Status Report
    5. Job Status Maintenance
    6. Unattached Job Status Maintenance
    7. Back Up IDF Files
    8. Back Up IDF Programs
    9. Reorganize IDF Files
   10. Security Maintenance >>
   11. Application Maintenance >>
   12. Environment Support >>

==> _____

F3=Exit      F4=Prompt   F9=Retrieve  F10=Actions
F11=Job status F12=Return  F22=Messages
```

**Option 1. Application Status Inquiry.** Used to review the status of your applications at the time of a system failure.

**Option 2. PTF Status Inquiry.** Used to review the status of PTFs (Program Temporary Fixes) by application. The current modification level, the highest PTF number, and the PTF package number are shown for each installed application.

**Option 3. Application Log Report.** Used to print the Application Log. This report lists the options that have been selected from the application menus since the last time your files were backed up.

**Option 4. File Status Report.** Used to print the File Status Listing. This report shows the current status of the master files, including the size of physical file members and the number of active and deleted records in these members. This information is also saved in a file for use with option 9, Reorganize IDF Files, on the IDF Main Menu (AMZM00).

**Option 5. Job Status Maintenance.** Used to review information about jobs that are in the job queue or underway at the workstations. You can also delete records of jobs in the Job Activity (JOBACT) file.

**Option 6. Unattached Job Status Maintenance.** Used to change the status of unattached jobs and to review detail information for specific unattached jobs.

**Option 7. Back Up IDF Files.** Used to back up files to disk, recover files from tape or disk, and back up the application libraries.

**Option 8. Back Up IDF Programs.** Used to back up files to tape or disk, recover files from tape or disk, and back up the application libraries.

**Option 9. Reorganize IDF Files.** Used to reclaim deleted record space in your master files and make disk space available for use.

**Option 10. Security Maintenance.** Used to go to the Security Maintenance menu (AMZMXA). Use this menu to set up and maintain security to protect your application functions.

**Option 11. Application Maintenance.** Used to go to the Application Maintenance menu (AMZMXB). Use this menu to apply changes to your programs.

**Option 12. Environment Support.** Used to go to the Environment Support menu (AMZMXC). Use this menu to maintain the library list for an environment; to delete, display, and list your environments; and to add a routing entry for a new environment.

## Option 10. Security Maintenance

When you select option 10, Security Maintenance, on the IDF Main Menu (AMZM00), the Security Maintenance menu (AMZMXA) opens.

```
AMZMXA                IDF Server Development Environment          ATL#D3M246
                        Security Maintenance                        UU

Type option or command; press Enter.

    1. Area and task authorizations
    2. User authorizations
    3. Generate reports
    4. Work With User Profiles
    5. Work with Client Data Connection User Profiles
    6. Synchronize Security Files

==> _____

F3=Exit      F4=Prompt   F9=Retrieve   F10=Actions
F11=Job status  F12=Return  F22=Messages
```

**Option 1. Area and task authorizations.** Used to lock or unlock security tasks, to maintain user-defined security areas, and to set up and maintain user authorizations for security tasks.

**Option 2. User authorizations.** Used to add and delete users and to maintain area and area/task authorizations for users.

**Option 3. Generate reports.** Used to print reports showing user authorizations and protected status (locked or unlocked) of security tasks and data groups.

**Option 4. Work with User Profiles.** Used to create and maintain user and user group profiles and to print listings showing user profiles and the groups to which they belong.

**Option 5. Work with Client Data Connection User Profiles.** Used to identify and maintain user profiles associated with a client/server application set for establishing a data connection to the System i server.

**Option 6. Synchronize Security Files.** Used to remove unused users, tasks, and areas from all security files.

## Option 11. Application Maintenance

When you select option 1, Application Maintenance, on the IDF Main Menu (AMZM00), the Application Maintenance menu (AMZMXB) opens.

```
AMZMXB                IDF Server Development Environment        ATL#D3M246
                        Application Maintenance                    UU

Type option or command; press Enter.

    1. Apply ECS PTF to Test Library
    2. Apply Tested Changes

==> _____

F3=Exit      F4=Prompt  F9=Retrieve  F10=Actions
F11=Job status  F12=Return  F22=Messages
```

**Option 1. Apply ECS PTF to Test Library.** Used to copy Program Temporary Fixes (PTFs) you receive using the System i Electronic Customer Support (ECS) facility to your test library from the save file in which they are received.

**Option 2. Apply Tested Changes.** Used to move the objects, you applied using option 1, Apply ECS PTF to Test Library, from your test library to the application libraries.



## Option 12. Environment Support

When you select option 12, Environment Support, on the IDF Main Menu (AMZM00), the Environment Support menu (AMZMXC) opens.

```
AMZMXC                      IDF Server Development Environment          ATL#D3M246
                             Environment Support                          UU

Type option or command; press Enter.

    1. Maintain Library List
    2. Add Routing Entry for Environment
    3. Display Environments
    4. List Environments
    5. Delete Environment

==> _____

F3=Exit      F4=Prompt    F9=Retrieve   F10=Actions
F11=Job status F12=Return   F22=Messages
```

**Option 1. Maintain Library List.** Used to change the order of the libraries in the IDF environment library list. You can also add or delete libraries in the list. You must have \*ALLOBJ (all object) authority in your System i user profile to use this option. Choosing this option places the applications in dedicated mode in the environment in which you are working.

**Option 2. Add Routing Entry for Environment.** Used to add a routing entry to the QBATCH subsystem for an IDF environment, which allows unattached jobs to be run for that environment. You must have \*ALLOBJ (all object) authority in your System i user profile to use this option.

**Option 3. Display Environments.** Used to review a list of environment designators and descriptions for all of your environments. You can also review a list of the libraries within a specified environment.

**Option 4. List Environments.** Used to print a list of your environments and libraries.

**Option 5. Delete Environment.** Used to delete an IDF environment from your system. You must have \*ALLOBJ (all object) authority in your System i user profile. Choosing this option places the environment to be deleted into dedicated mode.

## Chapter 2. Inquiry and Reports

Infor Development Framework (IDF) provides two options that you can use to review the status information about your applications and two options to print reports. This information helps you track status and diagnose and resolve problems with your applications.

Option 1. Application Status Inquiry.....	2-2
Option 2. PTF Status Inquiry .....	2-3
Option 3. Application Log Report.....	2-4
Option 4. File Status Report .....	2-7

```
AMZM00                IDF Server Development Environment          QPADEV0019
                        IDF Main Menu                            UU

Type option or command; press Enter.

    1. Application Status Inquiry
    2. PTF Status Inquiry
    3. Application Log Report
    4. File Status Report
    5. Job Status Maintenance
    6. Unattached Job Status Maintenance
    7. Back Up IDF Files
    8. Back Up IDF Programs
    9. Reorganize IDF Files
   10. Security Maintenance >>
   11. Application Maintenance >>
   12. Environment Support >>

==> _____

F3=Exit      F4=Prompt   F9=Retrieve   F10=Actions
F11=Job status  F12=Return  F22=Messages
```

**Option 1. Application Status Inquiry.** Used to review the status of your applications at the time of a system failure. You can find out whether applications that were in the job queue or underway at the workstations at the time of the system failure can be restarted. Choosing this option places the applications in dedicated mode.

**Option 2. PTF Status Inquiry.** Used to review the status of PTFs (Program Temporary Fixes) by application. The current modification level, the highest PTF number, and the PTF package number are shown for each installed application.

**Option 3. Application Log Report.** Used to print the Application Log. This report lists the options that have been selected from the application menus since the last time your files were backed up.

**Option 4. File Status Report.** Used to print the File Status Listing. This report shows the current status of the master files, including the size of physical file members and the number of active and deleted records in these members. This information is also saved in a file for use with option 9, Reorganize IDF Files, on the IDF Main Menu (AMZM00).

---

## Option 1. Application Status Inquiry

Use this option to:

- Review messages about the status of your applications at the time of a system failure. The messages help you determine how to restart your applications.
- Reorganize the JOBACT file to remove deleted records. Because an excessive number of deleted records in the JOBACT file can slow down response time, it is recommended that you use this option daily before backing up your files.

Choosing this option places applications in dedicated mode.

The display that opens when you select this option tells you if the workstation jobs, batch jobs, or unattached jobs that were running at the time of a system failure are restartable or not.

```
                USER MESSAGE DISPLAY
              JOB AMZMX0-01  (AXZPXS) INITIATED

AM-0250 ALL CRITICAL JOBS TERMINATED NORMALLY

W AM-0525 WARNING: OPTIONS SELECTED FROM THE
              IDF SERVER SUPPORT MENUS ARE NOT
              REFLECTED IN THIS STATUS.

PAUSE--WHEN READY, PRESS ENTER TO CONTINUE
```

For restartable jobs, you need to determine what information the system had accepted before the failure.

- If you had just submitted or were in the process of submitting a job, check the batch job queue to make sure the request was accepted. Restartable batch jobs resume when the you restart the job queue.
- If you were entering data or maintaining a file, select the menu option used at the time of the failure and make sure that the last change was applied to the master record or the last transaction was placed in the data entry file. If it was not, you must enter the transaction again.
- Use option 6, Unattached Job Status Maintenance, on the IDF Main Menu (AMZM00) to restart an unattached job.

If any job has a nonrestartable status, you must recover your application data. See your IDF product documentation for details.

After all the messages appear and you are ready to continue, press **Enter**. The IDF Main Menu (AMZM00) opens.

---

## Option 2. PTF Status Inquiry

Use this option to review the version, modification level, PTF level, and PTF package number of the programs and data base files for your installed applications.

When you select this option, the Application PTF Status (Inquiry) display (PSZS91) opens.

### PSZS91—Application PTF Status (Inquiry)

Use this display to review PTF status information.

Date	6/09/08	Application PTF Status	INQUIRY	PSZS91	UU		
<u>Applications Installed</u>		*--Programs--*			*-Files-*		
			<u>Ver</u>	<u>Rel</u>	<u>PTF</u>	<u>Rel</u>	<u>PTF</u>
IDF Server Support		5733-M7X	02	07	9000	07	7814
F11 PTF Package Number F24 End of Job							

#### What to do

Review the information on the display.

#### Function keys

F11 PTF Package Number causes display PMZS92 to open.

F24 End of Job returns you to the IDF Main Menu (AMZM00).

#### Fields

All fields are for information only.

## PMZS92—Application PTF Status (Inquiry)

Use this display to review the PTF package numbers of your installed applications. This display opens when you use **F11** on the Application PTF Status (Inquiry) display (PSZS91).

Date	6/09/08	Application PTF Status	INQUIRY	PMZS92	UU	
			*--Programs--*			
<u>Applications Installed</u>			<u>Ver</u>	<u>Mod</u>	<u>PTF</u>	<u>PTF</u>
						<u>Package</u>
IDF Server Support		5733-M7X	02	07	9000	SH15497
						F10 File PTF Level F24 End of Job

### What to do

Review the information on the display.

### Function keys

F10 File PTF Level causes display PSZS91 to open.

F24 End of Job returns you to the IDF Main Menu (AMZM00).

### Fields

All fields are for information only.

---

## Option 3. Application Log Report

Use this option to select options for printing the Application Log (AMZX6) and to erase entries from the APPLOG file. The Application Log does not include inquiry, report, and some IDF options. When you select this option, the Application Log Listing (Option) display (AMZALG01) opens.

## AMZALG01—Application Log Listing (Option)

AMZALG01	Application Log Listing	OPTION
Type choice; press Enter.		
Report sequence. . . . .	I	A - Application O - Operator T - Time only W - Workstation
Include program communication area . . .	0	1=Yes, 0=No
Remove entries after listing . . . . .	0	1=Yes, 0=No
F3=Exit    F11=Job status    F22=Messages		

### What to do

Type the information requested and press **Enter**. The Application Log is scheduled for printing and the IDF Main Menu (AMZM00) opens. If you are recovering master files, the recovery process continues.

### Function keys

F3=Exit ignores any information you typed and returns you to the menu from which you came.

F11=Job status shows a current list of your system and job information. You can see the status of your current job, including: system ID, time, date, job number, and job name; your ID and your workstation ID; the default output queue and output queue library; and your environment.

F22=Messages displays the job message queue.

### Fields

**REPORT SEQUENCE.** Type the sequence for the information on the report. The default is T (time only sequence).

- A**    Application
- O**    Operator
- T**    Time only
- W**    Workstation.

**INCLUDE PROGRAM COMMUNICATION AREA? <Y/N>**. Type **Y** (yes) if you want to print the program communication area on the listing. Accept the default **N** (no) if you want to print the listing without the program communication area.

**REMOVE ENTRIES AFTER LISTING? <Y/N>**. Type **Y** (yes) to remove the Application Log entries after printing. The applications are in dedicated mode if you choose to remove the entries. Accept the default **N** (no) to keep the entries in the file to serve as a guide if you have to recover your master files at a later time.

## Application Log (AMZX6)

		APPLICATION LOG BY TIME ONLY				DATE *****	TIME *****	PAGE	*	AMZX6
MENU	OPTION	DATE	START TIME	FINISH DATE	TIME	WORKSTATION OR JOB REFERENCE	OPERATOR	RERUN REQUIRED	APPLICATION	
AMZM10 INQUIRY MENU	01	4/04/**	7.14.25	4/04/**	7.14.31	W142		ABN	Cross Application Support	
									APPLICATION STATUS	
									PROGRAM COMMUNICATION AREA FOLLOWS:	
									*... 1 ... 2 ... 3 ... 4 ... 5 ... 6 ... 7 ... 8 ... 9 ... 0	
POS. 1-100										
POS. 101-200										
POS. 201-300										
POS. 301-400										
POS. 401-500										
POS. 501-600										
POS. 601-700										
POS. 701-800										
POS. 801-900										
POS. 901-1000										
POS.1000-1024										
			0937	OZX	100100	OM1	M	C Z	4200W142	OE 031MOSHER W142
				INTER	QPRINT	6001PRINTER	QPRINT	6001PRINTER	QPRINT	6001PRINTER
				PRINT	6001PRINTER	QPRINT	6001PRINTER	QPRINT	6001PRINTER	QPRINT
				T	60011					
						E AM-0103 MESSAGE	.... NOT FOUNDAMZMM		000010000100000000*DETC	000
						DDMLIB				

Use this report to review the status of the options selected from the application menus since the last time your files were backed up. Inquiry, report, and some IDF options are not included on this log. The sequence for the information on this report is either by application, operator, time, or workstation.

This report is printed using option 3, Application Log Report, on the IDF Main Menu (AMZM00).

### Fields

**MENU OPTION.** The menu number, option number, and menu name for the activity listed.

**START DATE/TIME.** The date and time of day when the menu option was selected. The **START TIME** attribute is shown in 24-hour time as hours, minutes, and seconds.

**FINISH DATE/TIME.** The date and time of day when the menu option was completed. The **FINISH TIME** field is shown in 24-hour time as hours, minutes, and seconds.

**WORKSTATION OR JOB REFERENCE.** The workstation ID from which the selection was made or job reference number if the job was run from the batch queue.

**OPERATOR.** The three-character ID entered through Security Maintenance of the operator who entered the selection.

**RERUN REQUIRED.** YES or NO to indicate that the job should be rerun or not, or ABN to indicate that the job terminated abnormally.

**APPLICATION.** The name of the application that the menu comes from.

**PROGRAM COMMUNICATION AREA.** Optionally, the local data area.

---

## Option 4. File Status Report

Use this option to print the File Status Listing (AXZZP). This report shows the status of all the files.

When you select this option, the report is scheduled for printing.

This report shows the current status of all master files on the system and the number of records in each file.

The file status information is also saved in a file and is used when you select option 9, Reorganize IDF Files, on the IDF Main Menu (AMZM00).

## File Status Listing (AXZZP)

FILE STATUS LISTING										DATE *****	TIME *****	PAGE ****	AXZZP
FILE NAME	ACCESS TYPE	*- LENGTH KEY	*- REC	*- RECORDS ACTIVE	-----* DELETED	MEGA-BYTES	*- REORGANIZATION RCM	-* PENDING	FILE DESCRIPTION				
APPCHK	K	10	109	3		.017			SECURITY CONTROL				
APPDSC	K	5	64	1,195	104	.136	*****	*****	M7X 03075 APPLICATION DESCRIPTION				
APPLOG	K	19	1057	524	67	.704	*		APPLICATION LOG				
APPTXT	K	35	194	22		.027			M7X 02714 APPLICATION DESCRIPTION TEXT				
ARGLSU	K	14	120			.013			A/R GAIN/LOSS SUMMARY FILE				
ARHCTL	K	6	33	31	58	.023	*****	*****	ACCOUNTS RECEIVABLE HISTORY CONTROL FILE				
BCHTNC	K	3	138	11		.015			BATCH TRANSACTION - CONTROL FILE				
CMNTXTS	K	7	70	17		.015			COMMENT TEXT - SPECIAL CHARGES				
CMPMST	A		17	3		.004			M7X 20004 COMPANY MASTER FILE				
CNFLCT	K	12	16	1,791		.107			M7X 02944 CONFLICT TESTING FILE				
CRSREF	K	6	13	240		.029			M7X 03075 CROSS REFERENCE FILE FOR MENU NAMES				
DBDEFN	K	10	166	1,588		.376			M7X 03116 DATABASE FILE DEFINITIONS				
DBFLDS	A		488	10,516		5.259			M7X 20468 OUTFILE FOR DSPFFD				
DBXFIL	K	20	93			.015			FILE WHERE USED CROSS REFERENCE				
GRPJOB	K	3	67	7		.012			GROUP JOB FILE				
ITEMASA	K	15	299	142	41	.087			M7X 02680 ITEM MASTER - INVENTORY INFORMATION				
ITEMASB	K	15	267	142	41	.075			M7X 02680 ITEM MASTER - COSTING AND PLANNING				

Use this report to review the status of all the files.

This report is printed using option 4, File Status Report, on the IDF Main Menu (AMZM00).

### Fields

**FILE NAME.** Name of the physical file.

**ACCESS TYPE.** Access path type:

**A** Arrival  
**K** Keyed  
**S** Shared.

**LENGTH KEY/REC.** Maximum key length and record length.



**RECORDS ACTIVE/DELETED.** Current number of active and deleted records.

**MEGABYTES.** Data space and index size in megabytes.

**REORGANIZATION RCM.** Reorganization has been recommended if an asterisk appears in this column.

**REORGANIZATION PENDING.** Reorganization previously selected and pending this date/time.

**FILE DESCRIPTION.** File text description.

---

## Chapter 3. Maintenance

Infor Development Framework (IDF) provides two options that you can use to review information about jobs that are in the job queue or underway at the workstations and change the status of unattached jobs or to review detailed information for specific unattached jobs.

Option 5. Job Status Maintenance.....	3-1
Option 6. Unattached Job Status Maintenance .....	3-7

```
AMZM00                IDF Server Development Environment                QPADEV0019
                        IDF Main Menu                                     UU

Type option or command; press Enter.

    1. Application Status Inquiry
    2. PTF Status Inquiry
    3. Application Log Report
    4. File Status Report
    5. Job Status Maintenance
    6. Unattached Job Status Maintenance
    7. Back Up IDF Files
    8. Back Up IDF Programs
    9. Reorganize IDF Files
   10. Security Maintenance >>
   11. Application Maintenance >>
   12. Environment Support >>

==> _____

F3=Exit      F4=Prompt  F9=Retrieve  F10=Actions
F11=Job status  F12=Return  F22=Messages
```

**Option 5. Job Status Maintenance.** Use this option to review information about jobs that are in the job queue or underway at the workstations. You can also delete records of jobs in the Job Activity (JOBACT) file.

**Option 6. Unattached Job Status Maintenance.** Use this option to change the status of an unattached job. You can also review detail information for a selected unattached job.

---

### Option 5. Job Status Maintenance

Use this option to review information on jobs that are in the job queue or underway at the workstations and to delete records in the Job Activity (JOBACT) file.

When you select this option, the Job Status (Update) display (AXZSU1) opens.

#### AXZSU1—Job Status (Update)

Use this display to review the status of records in the JOBACT file (sorted by user), to delete records, and to see the details of specific records. Each record represents a job.

This display opens when you select option 5, Job Status Maintenance, on the IDF Main Menu (AMZM00), when you use **F2** on display AXZSU2, or when you use **F12** on display AXZSU3. If you return from AXZSU3, a 4 or 5 appears next to any job that has not been processed.

```

Date 6/03/08                               Job Status                               UPDATE   AXZSU1  UU
Position to user . . . _____

Type options; press Enter.
  4=Delete  5=Display

Sel Clt User name  WS/JQ job  Seq  Type   Status  Command or  Restart
          AMAPICS   AMU0001213  0  BATCH  JOBQ     AMZM00    04 PSZPZQ
          AMAPICS   ATL#D3M246  0  WS-PRI  ACTIVE  AMZM00    05 AXZPS6
-   Y   BONESG     AMU0001214  0  BATCH  ACTIVE
  
```

F2=Sort by WS/JQ F3=Exit F5=Refresh F11=Job status  
F12=Return F17=Top F18=Bottom

## What to do

- To delete records, type **4** in one or more **Sel** fields and press **Enter**.
- To see record details, type **5** in one or more **Sel** fields and press **Enter**. The Job Status (Detail) display (AXZSU3) opens.

## Function keys

F2=Sort by WS/JQ causes display AXZSU2 to open showing the job records sorted by workstation job and job queue job.

F3=Exit ignores any information you typed and returns you to the menu from which you came.

F5=Refresh clears the **Sel** field and shows you the latest job status data.

F11=Job status shows a current list of your system and job information. You can see the status of your current job, including: system ID, time, date, job number, and job name; your ID and your workstation ID; the default output queue and output queue library; and your environment.

F12=Return goes to the display or menu from which you came.

F17=Top goes to the beginning of the list of job records.

F18=Bottom goes to the end of the list of job records.

## Fields

**Position to user.** If you want to skip to a particular user, type the full or partial name of the user. The cursor moves to the first user that begins with string of characters you typed in.

**Sel.** Type the following:

- 4 To delete a job
- 5 To review details of a job.

**User name.** The user who initiated the job.

**WS/JQ job.** The workstation or job queue job identifier.

**Seq.** If there is more than one Work With job with an ACTIVE status, a number appears next to each job which shows the order in which the job was started.

**Type.** Type of job. One of the following appears:

- BATCH** Job queue batch job
- GROUP** Group job
- U-JOB** Unattached job
- WS-PRI** Interactive primary
- WS-SEC** Interactive secondary.

**Status.** The status of the job. One of the following appears:

- ABEND** Ended abnormally
- ACTIVE** Running
- DELETED** The JOBACT record is deleted.
- ENDED** Ended normally
- JOBQ** On the batch job queue.

**Command or Menu/Option.** The command or menu and option associated with the job.

**Proc.** The procedure that initiated the job.

**Restart (Y/N).** The restartability of the procedure. One of the following appears:

- Blank** Not applicable
- Y** Restartable
- N** Not restartable.

## AXZSU2—Job Status (Update)

Use this display to review the status of records in the JOBACT file (sorted by work station or by batch job queue job), to delete records, and to see details for specific records. Each record represents a job.

This display opens when you use **F2** on display AXZSU1 or when you use **F12** on display AXZSU3. If you return from AXZSU3, a 4 or 5 appears next to any job that has not been processed.

Date	6/03/08	Job Status	UPDATE	AXZSU2	UU					
Position to WS/JQ . . . _____										
Type options; press Enter.										
4=Delete 5=Display										
Sel	Cl	WS/JQ job	User name	Seq	Type	Status	Command or Menu	Opt Proc	Restart (Y/N)	
=		AMU0001213	AMAPICS	0	BATCH	JOBQ	AMZM00	04 PSZPZQ		
-	Y	AMU0001214	BONESG	0	BATCH	ACTIVE				
-		ATL#D3M246	AMAPICS	0	WS-PRI	ACTIVE	AMZM00	05 AXZPS6		
F2=Sort by user						F3=Exit		F5=Refresh		F11=Job status
F12=Return						F17=Top		F18=Bottom		

### What to do

- To delete records, type **4** in one or more **Sel** fields and press **Enter**.
- To see record details, type **5** in one or more **Sel** fields and press **Enter**. The Job Status (Detail) display (AXZSU3) opens.

### Function keys

F2=Sort by user shows display AXZSU1 with the jobs sorted by user.

F3=Exit ignores any information you typed and returns you to the menu from which you came.

F5=Refresh clears the **Sel** field and shows you the latest job status data.

F11=Job status shows a current list of your system and job information. You can see the status of your current job, including: system ID, time, date, job number, and job name; your ID and your workstation ID; the default output queue and output queue library; and your environment.

F12=Return goes to the display or menu from which you came.

F17=Top goes to the beginning of the list of job records.

F18=Bottom goes to the end of the list of job records.

## Fields

**Position to WS/JQ.** If you want to skip to a particular workstation or job queue job, type the full or partial name of a work station or job. The cursor moves to the first workstation or job that begins with string of characters you typed in.

For an explanation of the other fields on this display, see display AXZSU1.

## AXZSU3—Job Status (Display)

Use this display to review the details for records in the JOBACT file. This display opens when you type **5** in one or more *Se/* fields on display AXZSU1 or AXZSU2.

<u>_</u> Date	5/23/08	Job Status	DISPLAY	AXZSU3	UU
Workstation . . . . .	:	ATL#D3M246			
Job Name . . . . .	:	ATL#D3M246			
User Name . . . . .	:	AMAPICS			
Session . . . . .	:	0			
Invocation Sequence . . . . .	:	0			
Date/Time Started . . . . .	:	5/23/08	9:18:18		
Application Name . . . . .	:	IDF Server Support			
Command or Menu and option . . . . .	:	AMZM00	05		
Procedure . . . . .	:	AXZPS6			
Job Description . . . . .	:	Job Status Maintenance			
Job Type . . . . .	:	WORKSTATION - PRIMARY			
Job Queue . . . . .	:				
Status . . . . .	:	ACTIVE			
Restartable . . . . .	:				
Procedure Segment ID . . . . .	:				
Press Enter to continue					
F3=Exit    F5=Refresh    F11=Job status    F12=Return					

## What to do

To see details for any additional jobs you selected on display AXZSU1 or AXZSU2, press **Enter**.

## Function keys

F3=Exit ignores any information you typed and returns you to the menu from which you came.

F5=Refresh shows you the latest job status data.

F11=Job status shows a current list of your system and job information. You can see the status of your current job, including: system ID, time, date, job number, and job name; your ID and your workstation ID; the default output queue and output queue library; and your environment.

F12=Return goes to the display from which you came.

## Fields

**Workstation.** The workstation from which the job was initiated.

**Job Name.** The name of the job.

**User Name.** The name of the user who initiated the job.

**Session:** One of the following appears:

<b>B</b>	Batch job
<b>U</b>	Unattached job
<b>0</b>	WS - Primary
<b>1</b>	WS - Secondary
<b>A, C-I, 2-9</b>	Group job.

**Invocation Sequence:** If there is more than one Work With job with an ACTIVE status, the order in which the job started to run.

**Date/Time Started:** The date and time the job started to run.

**Application Name.** The application that initiated the job.

**Command or Menu and option.** The command or menu and option associated with the job.

**Procedure.** The procedure that initiated the job.

**Job Description.** A description of the job.

**Job Type.** Type of job. One of the following appears:

<b>BATCH JOB</b>	Job queue batch job
<b>GROUP JOB</b>	Group job
<b>UNATTACHED JOB</b>	Unattached job
<b>WORKSTATION - PRIMARY</b>	Interactive primary job
<b>WORKSTATION - SECONDARY</b>	Interactive secondary job

**Job Queue.** For a batch job, the name of the job queue.

**Status.** See display AXZSU1.

**Restartable:** For a job that terminated abnormally, one of the following appears:

<b>Blank</b>	Not applicable
<b>Y</b>	Restartable
<b>N</b>	Not restartable.

**Procedure Segment ID:** The identifier for the part of the batch job that is currently being processed.

---

## Option 6. Unattached Job Status Maintenance

Use this option to change the status of and to review details for selected unattached jobs. When you select this option, the Unattached Job Status (Update) display (AXZDU1) opens.

### AXZDU1—Unattached Job Status (Update)

Use this display to select options for managing the status of the unattached jobs.

DATE	5/23/08	UNATTACHED JOB STATUS	UPDATE	AXZDU1	UU
ENTER OPTIONS					
1=START    3=HOLD    4=END    5=DETAILS    6=RELEASE					
<u>OPT</u>	<u>JOB</u>	<u>DESCRIPTION</u>	<u>STATUS</u>		
=	PSVJUPUU	IDF Java Server	ENDED		
USE ROLL UP/DOWN    F05 REDISPLAY    F24 END OF JOB					

#### What to do

- To change the status of an unattached job, type **1**, **3**, **4**, or **6** in one or more **OPT** fields and press **Enter**. Display AXZDU1 opens again with the updated status.
- To see details of an unattached job, type **5** in one or more **OPT** fields and press **Enter**. Display AXZDU2 (Detail) opens.

#### Function keys

ROLL UP/DOWN allows you to scroll up and down through the list of unattached jobs on the display.

F05 REDISPLAY causes this display to appear again, showing the current status of the unattached jobs.

F24 END OF JOB returns you to the IDF Main Menu (AMZM00).



## Fields

**OPT.** Type the option number of the action you want to perform next to each unattached job:

- 1 START** Start an ENDED or ABEND-RESTARTABLE unattached job.
- 3 HOLD** Stop an ACTIVE unattached job when the current transaction (or group of transactions) has completed processing.
- 4 END** Stop an ACTIVE unattached job when all transactions have completed processing.
- 5 DETAILS** Review detail information in display AXZDU2 for an unattached job.
- 6 RELEASE** Start an unattached job that has been placed on HELD status.

**JOB.** Unique identifier used by IDF when referring to an unattached job.

**DESCRIPTION.** The description of the unattached job.

**STATUS.** The status of the unattached job.

- ACTIVE** Running and ready to process transactions.
- STARTING - ON JOBQ** Moving from HELD status or ENDED status to ACTIVE status.
- HOLDING** Stops running once the current transaction (or group of transactions) has been processed.
- HELD** Not active, but there may be transactions to process.
- ENDING** Stops running once all transactions have been processed.
- ENDED** Not active, and, normally, there are no transactions to be processed.
- ABEND - RESTARTABLE** Ended abnormally, but can be restarted.
- ABEND - NOT RESTARTABLE** Ended abnormally and cannot be restarted.

## AXZDU2—Unattached Job Status (Detail)

Use this display to review details for selected unattached jobs. This display opens when you type **5** next to one or more unattached jobs on display AXZDU1 (Update) and press **Enter**.

```

_Date 5/23/08           Unattached Job Status      DETAIL  AXZDU2  UU

Job . . . . . : PSVJUPU
Description . . . . . : IDF Java Server
Status . . . . . : ENDED

Application . . . . . : IDF Server Support
Program . . . . . : PSVJUP
Data Queue . . . . . : DQVJUP
  Maximum Length . . . . . : 48
Message Queue . . . . . : *NONE

Requested Status . . . . . : END
Current Status . . . . . : ENDED

Job Name . . . . . : UMU0000866
Started by . . . . . : QSEC0FR
Job Number . . . . . : 266591

Press Enter to continue.

F5=Redisplay   F19=Return to Update   F24=End of Job

```

## What to do

Review the information on the display and press **Enter**. The next unattached job for which you typed a **5** on display AXZDU1 opens. When all selected unattached jobs have been shown, pressing **Enter** causes display AXZUD1 to open.

## Function keys

F5=Redisplay causes this display to appear again, showing detailed information for the unattached job.

F19=Return to Update returns you to display AXZDU1.

F24=End of Job returns you to the IDF Main Menu (AMZM00).

## Fields

**Job.** Unique identifier used by IDF when referring to an unattached job.

**Description.** The description of the unattached job.

**Status.** The status of the unattached job.

<b>ACTIVE</b>	Running and ready to process transactions.
<b>STARTING - ON JOBQ</b>	Moving from HELD, ABEND - RESTARTABLE, or ENDED status to ACTIVE status.
<b>HOLDING</b>	Running once the current transaction (or group of transactions) has been processed.
<b>HELD</b>	Not active, but there may be transactions to process.
<b>ENDING</b>	Stops running once all transactions have been processed.

**ENDED** Not active, and, normally, there are no transactions to be processed.

**ABEND - RESTARTABLE** Ended abnormally, but can be restarted.

**ABEND - NOT RESTARTABLE** Ended abnormally and cannot be restarted.

**Application.** The name of the application that uses the unattached jobs.

**Program.** The program ID of the program being processed as an unattached job.

**Data Queue.** The data queue used to send information to the unattached job. If the unattached job does not use a data queue, \*NONE appears in this field.

**Maximum Length.** The maximum length of an entry sent to the data queue.

**Message Queue.** The message queue used by the unattached job. If the unattached job does not use a message queue, \*NONE appears in this field.

**Requested Status.** The last recorded status request from the unattached job control file for the unattached job.

**START** Start the unattached job.

**HOLD** Stop the unattached job at the end of the current transaction (or group of transactions).

**END** Stop the unattached job when all transactions have been processed.

**RELEASE** Start a HELD unattached job.

**Current Status.** The last recorded current status from the unattached job control file of the unattached job.

**ACTIVE** The unattached job is running and is ready to process transactions.

**HELD** The unattached job is not active, but there may be transactions to process.

**ENDED** The unattached job is not active, and, normally, there are no transactions to process.

**Pending Transactions.** The number of transactions remaining to be processed by the unattached job. This field appears for selected unattached jobs.

**Job Name.** The job name assigned by IDF when the unattached job is initiated. The job name appears as the System i WRKACTJOB display when the unattached job is active. The job name is in the form of *UMynnnnnnn*, where *y* is the file library designator and *nnnnnnn* is the IDF task ID.

**Started by.** The user ID of the operator who initiated the unattached job.

**Job Number.** The job number assigned by the system when the unattached job is initiated.

## Chapter 4. Back Up/Reorganize

Use option 7, Back Up IDF Files; option 8, Back Up IDF Programs; and option 9, Reorganize IDF Files, to back up files and programs, and to reorganize master files. The IDF files and programs are stored on disk on the System i. To protect these files and programs, you should copy them onto tape or disk. This process is called backing up the files or programs.

With the IDF, backing up files saves the current security information, such as user IDs and security tasks, in the IDF data libraries (AMCESSQL and AMFLIBy). It is recommended that you back up these files after making changes to the security information for the environment or prior to applying updates to the IDF programs.

If you have put any non-IDF objects in AMCESSQL or AMFLIBy, you must grant AMAPICS object authority to those objects before backing up the IDF files, since these procedures save entire libraries.

Backing up the IDF programs saves the current set of programs in the IDF program libraries (AMCESLIB and AMALIBx). It is recommended that you back up these programs prior to applying updates to the IDF programs.

Option 7. Back Up IDF Files .....	4-2
Option 8. Back Up IDF Programs .....	4-3
Option 9. Reorganize IDF Files .....	4-5

```
AMZM00                IDF Server Development Environment                QPADEV0019
                        IDF Main Menu                                     UU

Type option or command; press Enter.

  1. Application Status Inquiry
  2. PTF Status Inquiry
  3. Application Log Report
  4. File Status Report
  5. Job Status Maintenance
  6. Unattached Job Status Maintenance
  7. Back Up IDF Files
  8. Back Up IDF Programs
  9. Reorganize IDF Files
 10. Security Maintenance >>
 11. Application Maintenance >>
 12. Environment Support >>

==> _____

F3=Exit      F4=Prompt  F9=Retrieve  F10=Actions
F11=Job status F12=Return  F22=Messages
```

**Option 7. Back Up IDF Files.** Used to back up the IDF data libraries to disk.

**Option 8. Back Up IDF Programs.** Used to back up the IDF program libraries to disk.

**Option 9. Reorganize IDF Files.** Used to reclaim deleted record space in your master files and make disk space available for use.

## Option 7. Back Up IDF Files

When you select option 7, Back Up IDF Files, on the IDF Main Menu (AMZM00), the Back Up Options (Select) display (PSZU81C) opens.

### PSZU81C—Back Up Options (Select)

Use this display to back up IDF files. This option backs up the security information, such as user IDs and security tasks, in the IDF data libraries (AMCESSQL and AMFLIBy) to disk. Run this option after making changes to the security information for the environment or prior to applying updates to the IDF programs. If you have added non-IDF objects in either the AMCESSQL or AMFLIBy libraries, you must grant AMAPICS authority to those objects before running this option because this option saves entire libraries.

**Note:** Use option 8, Back Up IDF Programs, to back up the program libraries (AMCESLIB and AMALIBx).

Date	6/03/08	Back Up IDF Files	Select	PSZU81C UU
		Back Up Options		
Maximum wait time (Minutes) to Start. . . : <u>10</u>				
Library for Save Files. . . . . : <u>AMSLIBU</u>				
ASP for the Save File Library . . . . . : <u>1</u>				
Job Queues to put on HOLD . . . . . : _____				
_____				
_____				
F18 Refresh Display				
F24 Cancel the Job				

### What to do

Type the information requested and press **Enter**.

### Function keys

F18 Refresh Display removes the changes you typed in this session.

F24 Cancel the Job returns you to the IDF Main Menu (AMZM00).

## Fields

**Maximum wait time (Minutes) to Start.** Type the maximum number of minutes you want the system to spend attempting to start the process of capturing the “image” of the library once it begins executing. If dedicated mode is not established in this amount of time, the backup is cancelled.

**Library for Save Files.** Type the name of the library where the save file containing the IDF data library backup should be created.

- If the library does not already exist, the system creates it and then creates the save file containing the new backup in it.
- If the library does exist, and a save file containing a previous backup of the library already exists, then the system deletes the existing save file and creates a new save file to contain the new backup of the library.

**ASP for the Save File Library.** Type the ID of the auxiliary storage pool where the library containing the Library backup save file should be stored.

**Job Queues to put on HOLD.** Type the name of any job queues to be held during the processing of the backup. The system stops the specified job queues at the beginning of the backup process and releases the job queues when the backup is finished completely.

Normally, job queues do not need to be held in order to process the backup of the IDF files. However, if the system issues a message indicating that the backup cannot run in the time you specified, then holding one or more of the IDF job queues might allow the backup process to run.

The one job queue that should never be held is AMUJOBQ. This job queue is for the IDF unattended job, which is required to be running in order for the backup process to run.

---

## Option 8. Back Up IDF Programs

When you select option 8, Back Up IDF Programs, on the IDF Main Menu (AMZM00), the Back Up Options (Select) display (PSZU81C) opens.

### PSZU81C—Back Up Options (Select)

Use this display to back up IDF programs. This option backs up the current set of programs in the IDF program libraries (AMCESLIB and AMALIBx) to disk. Run this option prior to applying updates to the IDF programs to make sure you have a current copy of the IDF programs available to restore if necessary.

**Note:** Use option 7, Back Up IDF Files, to back up the IDF data libraries.

```

Date 6/03/08          Back Up IDF Programs          Select PSZU81C UU
                   Back Up Options

Maximum wait time (Minutes) to Start. . : _10
Library for Save Files. . . . . : AMSLIBU
ASP for the Save File Library . . . . . : 1
Job Queues to put on HOLD . . . . . : _____
                                             _____
                                             _____

                                           F18 Refresh Display
                                           F24 Cancel the Job

```

**What to do**

Type the information requested and press **Enter**.

**Function keys**

F18 Refresh Display removes the changes you typed in this session.

F24 Cancel the Job returns you to the IDF Main Menu (AMZM00).

**Fields**

**Maximum wait time (Minutes) to Start.** Type the maximum number of minutes you want the system to spend attempting to start the process of capturing the “image” of the once it begins executing. If dedicated mode is not established in this amount of time, the backup is cancelled.

**Library for Save Files.** Type the name of the library where the save file containing the Library backup should be created.

- If the library does not already exist, the system creates it and then creates the save file containing the new backup in it.
- If the library does exist, and a save file containing a previous backup of the library already exists, then the system deletes the existing save file and creates a new save file to contain the new backup of the library.

**ASP for the Save File Library.** Type the ID of the auxiliary storage pool where the library containing the Library backup save file should be stored.

**Job Queues to put on HOLD.** Type the name of any job queues to be held during the processing of the backup. The system stops the specified job queues at the beginning of the backup process and releases the job queues when the backup is finished completely.

Normally, job queues do not need to be held in order to process the backup of the IDF programs. However, if the system issues a message indicating that the backup cannot run in the time you specified, then holding one or more of the IDF job queues might allow the backup process to run.

The one job queue that should never be held is AMUJOBQ. This job queue is for the IDF unattended job, which is required to be running in order for the backup process to run.

---

## Option 9. Reorganize IDF Files

Use this option to make disk space that was occupied by deleted records available for use.

Before you reorganize master files, you must print the File Status Report using Option 4. File Status Report, on the IDF Main Menu (AMZM00). When the report is printed, a work file is created that contains information used by option 9, Reorganize IDF Files.

Choosing this option places the IDF applications in dedicated mode when the actual reorganization takes place as determined by your selection on the Reorganize Master Files (Options) display (AXZZ83).

When you select option 9, Reorganize IDF Files, on the IDF Main Menu (AMZM00), the Reorganize Master Files (Select) display (AXZZ81) opens.

### AXZZ81—Reorganize Master Files (Select)

Use this display to select a group of master files to review for reorganization.

```
DATE 6/03/08                REORGANIZE MASTER FILES        SELECT  AXZZ81  UU

                                YOU CHOSE TO REORGANIZE MASTER FILES.

                                YOU CAN REVIEW A SELECTED GROUP OF MASTER
                                FILES FOR REORGANIZATION:

                                1 ONLY FILES RECOMMENDED FOR REORGANIZATION
                                2 ONLY FILES CONTAINING DELETED RECORDS
                                3 BOTH 1 AND 2
                                4 SELECT FROM ALL FILES

                                ENTER SELECTION  4

                                                F17 SPECIFY FILES
                                                F24 CANCEL THE JOB
```

#### What to do

Type the requested information and press **Enter**. The Reorganize Master Files (Select) display (AXZZ82) opens.



## Function keys

F17 SPECIFY FILES causes display AXZZ86 to open. This display allows you to select individual files to reorganize.

F24 CANCEL THE JOB returns you to the IDF Main Menu (AMZM00).

## Fields

**ENTER SELECTION.** Type the number for the group of master files that you want to review for reorganization:

- 1 Only files recommended for reorganization
- 2 Only files containing deleted records
- 3 All files recommended for reorganization and all files containing deleted records
- 4 All files.

## AXZZ82—Reorganize Master Files (Select)

Use this display to select master files to be reorganized. This display opens when you press **Enter** on the Reorganize Master Files (Select) display (AXZZ81).

DATE		REORGANIZE MASTER FILES				SELECT	AXZZ82	UU	
SELECT	FILE NAME	REORG RCM	PND	RECORDS ACTIVE	DELETED	MEGA-BYTES	ACCESS TYPE	LENGTH KEY	REC
	APPINT					.008	A		19
	APPLOG			286		.352	K	19	1057
	APPLYF			25		.045	K	20	122
	APPXPG			2		.020	A		120
	CNFLCT			174		.036	K	12	16
	CURRID					.036	K	5	62
	EURFLG					.008	A		8
	FILDEF			333		.053	A		140
	FNCMST			15		.008	A		51
	JBACT2					.040	K	110	118
	JOBCTL			13		.036	K	6	60
	LSTOPT			17		.008	A		182
	MBA5REP					.012	A		246
	MBH3CPP					.008	A		42
									+
POSITION TO FILE . . .									
LAST FILE STATUS		F20 SELECT ALL RECOMMENDED FILES				USE ROLL UP/DOWN			
6/02/08 12:56:21		F21 SELECT ALL WITH DELETED RECORDS				F17 SPECIFY FILES			
		F22 SELECT ALL FILES				F18 REFRESH DISPLAY			
		F23 DESELECT ALL FILES				F24 CANCEL THE JOB			

## What to do

Type the information requested and press **Enter**. The Reorganize Master Files (Options) display (AXZZ83) opens.

## Function keys

USE ROLL UP/DOWN: Use the roll keys to scroll up and down through the list of master files to be reorganized.

F17 SPECIFY FILES causes display AXZZ86 to open. This display allows you to select individual files to reorganize.

F18 REFRESH DISPLAY returns the display to its status before you typed in any changes.

F20 SELECT ALL RECOMMENDED FILES puts a Y in the **SELECT FILE** field for every file recommended for reorganization.

F21 SELECT ALL WITH DELETED RECORDS puts a Y in the **SELECT FILE** field for every file that has deleted records.

F22 SELECT ALL FILES puts a Y in the **SELECT FILE** field for every file.

F23 DESELECT ALL FILES removes any Y in the **SELECT FILE** field for every file.

F24 CANCEL THE JOB returns you to the IDF Main Menu (AMZM00). The files are not reorganized.

## Fields

The information on this display is an example of what you might see. The file names and other information are generated based on the applications you have installed and the choices you made during installation.

**SELECT FILE.** Type Y (yes) beside each file that you want to reorganize.

**FILE NAME.** The name of the master file.

**REORG RCM.** An asterisk (\*) beside a file in this column shows you that reorganization has been recommended for the file.

**REORG PND.** An asterisk (\*) beside a file in this column shows you that the file is scheduled to be reorganized in a pending reorganization.

**RECORDS ACTIVE/DELETED.** Current number of active and deleted records.

**MEGABYTES.** Data space and index size in megabytes.

**ACCESS TYPE.** Access path type:

<b>A</b>	Arrival
<b>K</b>	Keyed
<b>S</b>	Shared.

**LENGTH KEY/REC.** Maximum key length and record length.

## AXZZ83—Reorganize Master Files (Options)

Use this display to select a specific date and time to continue with reorganization. This display opens when you press **Enter** on the Reorganize Master Files (Select) display (AXZZ82).

```
DATE 6/03/08                REORGANIZE MASTER FILES        OPTIONS  AXZZ83  UU

YOU CAN SELECT A SPECIFIC DATE AND TIME
TO CONTINUE WITH REORGANIZATION.

TO COMPLETE REORGANIZATION NOW,
PRESS ENTER.

TO CONTINUE WITH REORGANIZATION LATER,
ENTER A DATE AND TIME:

DATE  6 / 03 / 08
TIME  09 : 08

F18 REFRESH DISPLAY
F19 RETURN TO SELECT
F24 CANCEL THE JOB
```

### What to do

- To complete reorganization now, press **Enter**.
- To schedule the file reorganization at a specified date and time, type the information requested and press **Enter**.

When the file reorganization completes, the File Reorganization Audit report (AXZZ9) is printed.

### Function keys

F18 REFRESH DISPLAY changes the date and time back to the current date and time.

F19 RETURN TO SELECT returns you to display AXZZ81.

F24 CANCEL THE JOB returns you to the IDF Main Menu (AMZM00).

### Fields

**DATE.** Type a date, within 14 days of today's date, on which you want to schedule the reorganization. The default is today's date.

**TIME.** Type a time, using 00:00 to 23:59 format, when you want the reorganization to occur. The default is the current time.

## File Reorganization Audit (AXZZ9)

---

FILE REORGANIZATION AUDIT		DATE *****	TIME *****	PAGE ****	AXZZ9
FILE NAME	REORGANIZATION STATUS	CONDITION	ERROR *----- JOB -----*	NAME	NUMBER
xxxxxxxA10	PRE-REORG PROGRAM ***** CALLED				
xxxxxxxA10	COMPLETED NORMALLY				
xxxxxxxA10	*** ERROR ***	CPFxxN4 MESSAGE OCCURRED	xxxxxxxA10		xxxxN6

---

\*\*\*\* END OF REPORT \*\*\*\*

---

Use this report to review the status of reorganized files.

This report is printed when you reorganize master files.

### Fields

**FILE NAME.** Name of the physical file.

#### **REORGANIZATION STATUS.**

- Status of reorganization
- Pre-Reorg Program = RPROC

#### **ERROR CONDITION.**

- Error Condition—RGZPFM command failure
- OS/400 Message Number

**ERROR JOB NAME.** Error Condition—QBATCH Job Name.

**ERROR JOB NUMBER.** Error condition— QBATCH Job Number.

## Chapter 5. Security Maintenance

When you select option 10, Security Maintenance, on the IDF Main Menu (AMZM00), the Security Maintenance menu (AMZMXA) opens. Use this menu to set up and maintain security to protect your application functions.

**Note:** IDF security is based on the System i user profiles, referred to in this chapter as the user IDs. IDF security references the ID used to sign on to the System i system to determine user access and restrictions. For this reason, all users should sign off before leaving their workstations.

Before you begin .....	5-2
Option 1. Area and task authorizations .....	5-4
Option 2. User authorizations .....	5-5
Option 3. Generate reports .....	5-7
Option 4. Work with User Profiles.....	5-14
Option 5. Work with Client Data Connection User Profiles.....	5-15
Option 6. Synchronize Security Files.....	5-15
Security panels.....	5-16

```
AMZMXA                IDF Server Development Environment                ATL#D3M246
                        Security Maintenance                                UU

Type option or command; press Enter.

    1. Area and task authorizations
    2. User authorizations
    3. Generate reports
    4. Work With User Profiles
    5. Work with Client Data Connection User Profiles
    6. Synchronize Security Files

==> _____

F3=Exit      F4=Prompt   F9=Retrieve   F10=Actions
F11=Job status  F12=Return  F22=Messages
```

**Option 1. Area and task authorizations.** Used to lock and unlock security tasks, to maintain user-defined security areas, and to set up and maintain user authorizations for security tasks.

**Option 2. User authorizations.** Used to maintain area and area/task users authorizations

**Option 3. Generate reports.** Used to print reports showing user authorizations and protected status (locked or unlocked) of security tasks.

**Option 4. Work with User Profiles.** Used to create and maintain user and user group profiles and to print listings showing user profiles and the groups to which they belong.

**Option 5. Work with Client Data Connection User Profiles.** Used to identify and maintain information for user profiles associated with a client/server application set for establishing a data connection to the System i server.

**Option 6. Synchronize Security Files.** Used to ensure that user IDs deleted in a previous level of the IDF product and security tasks and areas no longer used in the environment are removed from all security files.

---

## Before you begin

To run your business, you want all users to have access to the functions which allow them to do their work, but you might not want all users to have access to all functions. For example, you might want only one or two people to perform payroll functions.

When you install an application, the following functions are shipped as locked and protected:

- IDF Task: ACCALLCMDS - Access to all commands (IDF and System i)
- IDF Task: AMZCUDFR - Work with actions (menu option)
- IDF Task: AMZC3DFR - Work with tasks (menu option).

The remaining functions are unlocked and all users can access them.

To protect a function from unauthorized users, you must do the following using security maintenance:

- Lock the function.
- Authorize individual users to the function or, alternatively, create a user group profile and authorize that profile to the function. When you authorize the group profile to the function and you associate individual users with the group profile, then each user in the group is given authority to perform the function.

## Understanding application security

In security maintenance, an application function is called a security task. A collection of security tasks is called a security area. A security task may be found or associated with more than one security area. Some of the applications have common tasks that are found in security areas defined in each application. An example would be the Item Master Maintenance task that is common to Inventory, Product Data and Customer Order applications.

The applications are installed with their tasks assigned to default security areas. Depending on the needs of your business, you can use only the default security areas or you can combine security tasks into as many additional user defined areas as necessary. Those additional areas can contain selected tasks from within an application or selected tasks from several applications. Grouping tasks by an area you define can allow you to grant user authority more easily for tasks spread across several applications.

You can use the IDF security maintenance functions to create group user profiles and then associate individual users with one or more group profiles. Using group profiles allows you to maintain authorizations to tasks for groups of users such as departments or work groups within your company. By changing a group profile's authorization(s), you effectively change the authorization for all the users associated with the group.

Individual users associated with a group profile “inherit” the authority to perform any tasks to which the group profile is authorized. When a user selects a menu option, the security checking processes first check the user’s authority to perform the task. If the individual user is not authorized, any group(s) with which the user is associated will be checked and if a group profile is authorized to the task, the user will be allowed to perform it.

## How to lock access to the environment

Do the following to restrict users from entering the environment:

- 1** Select option 1, Area and task authorizations, on the Security Maintenance menu (AMZMXA) and press **Enter**. The Select Application panel opens.
- 2** Type **1** next to IDF Server Support and press **Enter**. The Maintain Security Areas panel opens.
- 3** Type **2** next to IDF Environment and Command Line Access and press **Enter**. The Maintain Tasks panel opens.
- 4** Type **11** next to Access to this environment and press **Enter**. The Authorize Users panel opens.
- 5** Type **16** to authorize users or **17** to revoke the user’s authorization to the environment and press **Enter**.
- 6** Press **F12** to return to the previous screen.
- 7** Type **22** to lock the task and press **Enter**.

## How to control access to IDF and System i commands

Do the following to control access to IDF commands on the command line, but restrict users from entering System i commands:

- 1** Select option 1, Area and task authorizations, on the Security Maintenance menu (AMZMXA) and press **Enter**. The Select Application panel opens.
- 2** Type **1** next to IDF Server Support and press **Enter**. The Maintain Security Areas panel opens.
- 3** Type **2** next to IDF Environment and Command Line Access and press **Enter**. The Maintain Tasks panel opens.
- 4** Type **11** next to Access to all commands (Application and System i) and press **Enter**. The Authorize Users to Task panel opens.

## Using the rest of this chapter

The rest of the chapter is divided in two parts. Use the first part to find step-by-step instructions for the major security functions within each option on the Security Maintenance menu (AMZMXA).

Use the second part to find a description of the functions associated with selected security panels. In many cases, you can use the selections and the function keys on a panel to move between menu options or between functions within a menu option.

---

## Option 1. Area and task authorizations

Use this option to set up and maintain security for application areas and tasks. You can do the following:

- Lock or unlock a security task
- Maintain user authorizations for areas and tasks
- Define a security area.

For information on panels you use to maintain area and task authorizations, see “Security panels” on page 5-16.

### Lock or unlock a security task

Do the following to lock or unlock a security task. You lock a task so only authorized users can access the task. You unlock a task so any user can access the task.

- 1 Select option 1, Area and task authorizations on the Security Maintenance menu (AMZMXA) and press **Enter**. The Select Application panel opens.
- 2 Type **1** next to the application containing the tasks you want to lock or unlock and press **Enter**. The Maintain Security Areas panel opens.
- 3 Type **2** next to the area whose tasks you want to lock or unlock and press **Enter**. The Maintain Tasks panel opens.
- 4 Type **22** to lock or **23** to unlock a task and press **Enter**.

### Maintain user authorizations for areas and tasks

Do the following to maintain user authorizations for areas and tasks. You can authorize users to or revoke user authorizations for all or some of the tasks in a security area.

- 1 Select option 1, Area and task authorizations on the Security Maintenance menu (AMZMXA) and press **Enter**. The Select Application panel opens.
- 2 Type **1** next to the application for which you want to maintain task authorizations. Press **Enter**. The Maintain Security Areas panel opens.
- 3 Type **11** next to the area for which you want to maintain task authorizations. Press **Enter**. The Authorize Users to Area panel opens.
- 4 Type **16** on the Authorize Users to Area panel to authorize a user or **17** to revoke authorization for a user to all the tasks in the security area. Press **Enter**.
- 5 To maintain user authorizations for individual tasks in a security area, type **19** on the Authorize Users to Area panel next to a user. Press **Enter**. The Authorize to Tasks panel opens.
- 6 Type **16** on the Authorize Users to Area panel next to a user or **17** to revoke authorization for the user to a task.

**Define a security area** . Do the following to define a new security area to fit the needs of your business. The purpose of adding a security area is to easily maintain the tasks that you routinely do together. You can add the new area to any installed application that is meaningful to you. For example, you may have several people who always perform certain tasks in the Accounts Payable and Accounts Receivable applications. You can combine those tasks into a new area in Accounts Payable and maintain authorizations for the new area for those people.



- 1 Select option 1, Area and task authorizations on the Security Maintenance menu (AMZMXA) and press Enter. The Select Application panel opens.
- 2 Type **1** next to the application you want to contain the security area you are adding. Press **Enter**. The Maintain Security Areas panel opens.
- 3 Press **F6**. The Add Area panel opens.
- 4 Type the information requested and press **Enter**, or press **F4** on a field to see a list of choices. When you return to the Add Area panel after using **F4**, press **Enter**. The group is added.

---

## Option 2. User authorizations

Use this option to maintain security for an individual user or a user group. When you select this option, the Maintain User Security panel opens. You can do the following:

- Add or delete a user
- Revoke all authorizations for a user
- Copy authorizations from one user to another
- Maintain area and task authorizations for a user

**Note:** Adding or deleting a user or revoking a user's authorizations does not affect the status of the user's System i profile.

For information on panels you use to maintain user authorizations, see "Security panels" on page 5-16.

### Add a user

Do the following to add a user:

- 1 Select option 2, User authorizations, on the Security Maintenance menu (AMZMXA) and press **Enter**. The Maintain User Security panel opens.
- 2 Press **F10**. An action list panel opens.
- 3 Type the option 010, Work With IDF Profiles and press **Enter**. The Work with IDF user profiles (Select) panel opens.
- 4 Press **F6**. The Add User Profile panel opens.
- 5 Type the information requested and press **Enter**. The user is added.

### Delete a user

Do the following to delete a user:

- 1 Select option 2, User authorizations, on the Security Maintenance menu (AMZMXA) and press Enter. The Maintain User Security panel opens.
- 2 Press **F10**. An action list panel opens.
- 3 Type the option 010, Work with IDF profiles and press **Enter**. The Work with IDF user profiles (Select) panel opens.
- 4 Type **4** next to the user you want to delete from the system and press **Enter**. The Confirm Delete of User panel opens.
- 5 Press **Enter**. The user is deleted.

## Revoke all authorizations for a user

Do the following to revoke all authorizations for a user without deleting the user from the system:

- 1 Select option 2, User authorizations, on the Security Maintenance menu (AMZMXA) and press **Enter**. The Maintain User Security panel opens.
- 2 Type **17** next to the user whose authorizations you want to revoke and press **Enter**. The Confirm Revoke of Authorization panel opens.
- 3 Press **Enter**. The user's authorizations are deleted.

## Copy authorizations from one user to another

Do the following to copy authorizations from one user to another if you want different users to be authorized to the same tasks:

- 1 Select option 2, User authorizations, on the Security Maintenance menu (AMZMXA). The Maintain User Security panel opens.
- 2 Type **2** next to the user whose authorizations you want to change and press **Enter**. The Change User Authority - Areas panel opens.
- 3 Press **F10**. An action list panel opens.
- 4 Type the option 040, Copy user authorizations, and press **Enter**. The Specify User panel opens.
- 5 Type in the ID of the user whose authorizations you want to copy and press **Enter**, or press **F4** to select a user.

## Maintain area and task authorizations for a user

Do the following to maintain area and task authorizations for a user:

- 1 Select option 2, User authorizations, on the Security Maintenance menu (AMZMXA) and press **Enter**. The Maintain User Security panel opens.
- 2 Type **13** next to the user whose security area authority you want to change and press **Enter**. The Select Application panel opens.
- 3 Type **1** next to the application whose security area authority you want to maintain and press **Enter**. The Authorize to Areas panel opens.
- 4 Type **16** on the Authorize to Areas panel to authorize the user or **17** to revoke the user's authorizations to all tasks in a security area. Press **Enter**.
- 5 Type **19** on the Authorize to Areas panel next to the area for which you want to change task authorizations for the user and press **Enter**. The Authorize to Tasks panel opens.
- 6 Type **16** to authorize the user or **17** to revoke the user's authorization to a task. Press **Enter**.

## Option 3. Generate reports

Use this option to print reports you can use to review the locked status and user authorizations for security areas and tasks, and authorizations for individual users.

You can print reports sorted by:

- User and area
- User, area, and task
- User and task
- Task and user
- Area, task, and user
- Area and user

### Security - Sorted by User, Area (AMZANPFR)

AMZANPFR	FORREST	Security-Sorted by User, Area		*****	Page	1
				*****	*****	**
Report options						
User	:	JONESB	Barry Jones			
Application	:					
Area	:					
Authorized to tasks	:	1	Some	All		
User						
JONESB		Barry Jones				
		ACCOUNTS PAYABLE				
			Authorized	Area		
			Some	test (COM Inquiry)		
			Some	test 4		
		CAPACITY REQUIREMENTS PLANNING				
			Authorized	Area		
			Some	Capacity Requirements Planning		
		CROSS APPLICATION SUPPORT				
			Authorized	Area		
			Some	Cross Application Support		
		CUSTOMER ORDER MANAGEMENT				
			Authorized	Area		
			Some	COM Files		
			Some	COM Inquiry		
			All	COM Invoicing		
			Some	COM Miscellaneous Reports		
			Some	COM Order Shipment History		
			Some	COM Pricing		
			All	Item Master Cost Information		
		ENGINEERING DATA MGMT INTERFACE				
			Authorized	Area		
			All	EDMI General Inquiry		

Use this report to review the security status of an application sorted by user and area.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

#### Fields

**Report options.** The options you selected on the Specify User and Specify Area panels to determine what information prints on the report. If you did not select an option, the field is blank.

**User.** Identifier and name of a user for which the security status report was generated.

**Authorized.** Status of a user's authorization:

- All** Authorized to all tasks in an area
- Some** Authorized to some tasks in an area
- None** Authorized to no tasks in an area.

**Area.** Description of the security area for which the security status report was generated.

## Security - Sorted by User, Area, Task (AMZAQPFR)

---

AMZAQPFR	FORREST	Security- Sorted by User, Area, Task	*****	Page 1
			*****	***** **

Report options

```

User . . . . . : JONESA      Alex Jones
Application . . . . . : Cross Application Support
Area . . . . . :
Authorized to tasks . . . . . :
Task . . . . . :
Task locked . . . . . :
Task access . . . . . :
Task authorized . . . . . :
User
JONESA      Alex Jones
            CROSS APPLICATION SUPPORT
            Area . . . . . : Cross Application Support

```

Access	Authorized	Task ID	Description	Type	App	Locked
Y	N	AMVAJDFR	Country	MNT	COM	N
Y	N	AMVAQDFR	State	MNT	COM	N
N	N	AMZ SEC 01	Security Maintenance	GRP	CAS	Y
Y	Y	AMZ SEC 02	Inquiry	GRP	CAS	N
Y	N	AMZ SEC 03	Reports	GRP	CAS	N
Y	Y	AMZ SEC 04	General Maintenance/Change	GRP	CAS	N
Y	N	AMZ SEC 05	SYSCTL File Change	GRP	CAS	N
Y	N	AMZ SEC 06	Application Maintenance	GRP	CAS	N
Y	N	AMZ SEC 07	Job Queue Maintenance	GRP	CAS	N
Y	N	AMZ SEC 08	Reorganize Master Files	GRP	CAS	N
Y	N	AMZ SEC 09	Back Up/Recover Library and Files	GRP	CAS	N
Y	N	AMZ SEC 10	Offline History Files	GRP	CAS	N
Y	N	AMZ SEC 11	Install/Tailor Applications	GRP	CAS	N
Y	N	AMZ SEC 12	Load Data From Offline Files	GRP	CAS	N
Y	N	AMZ SEC 13	Multi CurrencyValue Added Tax Maint	GRP	CAS	N
Y	N	AMZ SEC 14	Printer Override Maintenance	GRP	CAS	N
Y	N	AMZ SEC 15	Electronic Data Interchange Support	GRP	CAS	N
Y	N	CHGBCKOPT	Change Backup Options	MNT	CAS	N
Y	N	CHGUSROPT	Change User Option Detail	MNT	CAS	N
Y	N	CRTUSROPT	Create User Option Detail	MNT	CAS	N
Y	N	DLTUSROPT	Delete User Option Detail	MNT	CAS	N

---

Use this report to review the security status of an application sorted by user, area, and task.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

### Fields

**Report options.** The options you selected on the Specify User, Specify Area, and Specify Task panels to determine what information prints on the report. If you did not select an option, the field is blank.

**User.** Identifier and name of a security user.

**Area.** Description of a security area.

**Access.** Status of a user's access to a task:

**Y** User can access the task because it is unlocked or the user is authorized

**N** User cannot access the task because it is locked and the user is not authorized

**Authorized.** Status of a user's authorization.

**Y** Authorized to the task  
**N** Not authorized to the task

**Task ID.** Code that identifies a security task.

**Description.** Description of a security task.

**Type.** Code that identifies a category of application function shown on various security maintenance panels.

**GRP** Group of menu options (see the Security task appendix in each application manual for the menu options covered by each GRP record). Not valid on the Display Task and Maintain Task panels.

**INP** Input (entry) of data

**INQ** Inquiry

**MNT** File maintenance

**PRC** Process

**RPT** Report

**SEC** Security other than menu option security. Not valid on the Display Task and Maintain Task panels.

**SEL** Selection for processing

**TRN** Transaction entry or maintenance

**TXN** Transaction. Not valid on the Display Task and Maintain Task panels.

**App.** Application abbreviation.

**Locked.** Protected status of a data group:

**Y** Locked  
**N** Unlocked.

## Security - Sorted by User, Task (AMZARPFRR)

AMZARPFRR FORREST		Security-Sorted by User, Task				*****	Page	1
						*****	*****	**
Report options								
User	. . . . .	:	FTSUI		Frank Tsui			
Task	. . . . .	:						
Task locked	. . . . .	:	Y					
Task access	. . . . .	:						
Task authorized	. . . . .	:						
User								
FTSUI	Frank Tsui							
	Access	Authorized	Task ID	Description	Type	App	Locked	
	N	N	AMBELPVR	Review/Select Orders for Pro Forma Invoicing	SEL	COM	Y	
	N	N	AMBFQPVR	Select Orders for Invoicing	SEL	COM	Y	
	N	N	AMC MC	MC - Miscellaneous charge	TXN	PCC	Y	
	N	N	AMT SEC 04	Reports - W/C Load Analysis	GRP	CRP	Y	
	N	N	AMT SEC 05	Variable Capacity Maintenance	MNT	CRP	Y	
	N	N	AMT SEC 08	Planning Control	GRP	CRP	Y	
	N	N	AMZ SEC 01	Security Maintenance	GRP	CAS	Y	
	N	N	AM7 SEC 02	Reports	GRP	MPA	Y	
	N	N	AM8 SEC 03	Eng Mgmt General Inquiry	GRP	EDMI	Y	
	N	N	WRKWHSMNT	Work with Warehouses - Change	MNT	IM	Y	

Use this report to review the security status of an application sorted by user and task.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

## Fields

**Report options.** The options you selected on the Specify User and Specify Task panels to determine what information prints on the report. If you did not select an option, the field is blank.

**User.** Identifier and name of a security user.

**Access.** Status of a user's access to a task:

**Y** User can access the task because it is unlocked or the user is authorized  
**N** User cannot access the task because it is locked and the user is not authorized.

**Authorized.** Status of a user's authorization.

**Y** Authorized to the task  
**N** Not authorized to the task

**Task ID.** Code that identifies a security task.

**Description.** Description of a security task.

**Type.** Code that identifies a category of application function shown on various security maintenance panels.

**GRP** Group of menu options (see the Security task appendix in each application manual for the menu options covered by each GRP record). Not valid on the Display Task and Maintain Task panels.  
**INP** Input (entry) of data  
**INQ** Inquiry  
**MNT** File maintenance  
**PRC** Process  
**RPT** Report  
**SEC** Security other than menu option security. Not valid on the Display Task and Maintain Task panels.  
**SEL** Selection for processing  
**TRN** Transaction entry or maintenance  
**TXN** Transaction. Not valid on the Display Task and Maintain Task panels.

**App.** Application abbreviation.

**Locked.** Protected status of a data group:

**Y** Locked  
**N** Unlocked.

## Security - Sorted by Task, User (AMZASPFR)

---

AMZASPFR	FORREST	Security-Sorted by Task, User				*****	Page	1
					*****	*****	**	

Report options  
 Task . . . . . : AMZ SEC 01 Security Maintenance  
 Task locked . . . . . :  
 Task access . . . . . :  
 Task authorized . . . . . :  
 User . . . . . :

Task ID	Description	Type	GRP	App	CAS	Locked
AMZ SEC	01 Security Maintenance					Y
	Access Authorized		User ID	Name		
	N	N	COLVIN	Dave Colvin		
	N	N	ELLIOTT	Hugh Elliott		
	N	N	FTSUI	Frank Tsui		
	N	N	JONESA	Alex Jones		
	Y	Y	JONESB	Barry Jones		
	N	N	LSPEN	Lornalee Spence		

---

Use this report to review the security status of an application sorted by task and user.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

### Fields

**Report options.** The options you selected on the Specify Task and Specify User panels to determine what information prints on the report. If you did not select an option, the field is blank.

**Task ID.** Code that identifies a security task.

**Description.** Description of a security task.

**Type.** Code that identifies a category of application function shown on various security maintenance panels.

**GRP** Group of menu options (see the Security task appendix in each application manual for the menu options covered by each GRP record). Not valid on the Display Task and Maintain Task panels.

**INP** Input (entry) of data

**INQ** Inquiry

**MNT** File maintenance

**PRC** Process

**RPT** Report

**SEC** Security other than menu option security. Not valid on the Display Task and Maintain Task panels.

**SEL** Selection for processing

**TRN** Transaction entry or maintenance

**TXN** Transaction. Not valid on the Display Task and Maintain Task panels.

**App.** Application abbreviation.

**Locked.** Protected status of a data group:

**Y** Locked

**N** Unlocked.

**Access.** Status of a user's access to a task:

**Y** User can access the task because it is unlocked or the user is authorized  
**N** User cannot access the task because it is locked and the user is not authorized.

**Authorized.** Status of a user's authorization.

**Y** Authorized to the task  
**N** Not authorized to the task

**User ID.** Identifier of a security user.

**Name.** Name of a security user.

## Security - Sorted by Area, Task, User (AMZATPFR)

AMZATPFR	FORREST	Security - Sorted by Area, Task, User				*****	Page	1
						*****	*****	**
Report options								
Application . . . . . : Customer Order Management								
Security area . . . . . : COM Invoicing								
Authorized to tasks . . : 1 Some All								
Task . . . . . :								
Task locked . . . . . :								
Task access . . . . . :								
Task authorized . . . . :								
User . . . . . :								
CUSTOMER ORDER MANAGEMENT								
Area . . . . . : COM Invoicing								
Task ID								
AMBCTPVR								
Description								
Review/Select Invoices to Reprint								
Access Authorized User ID Name Type App Locked								
Y Y ELLIOTT Hugh Elliott SEL COM Y								
Y Y FTSUI Frank Tsui								
Y Y JONESB Barry Jones								
Y Y THOPHAN Tho Phan								
AMB9PVR								
Review/Select Order Shipments for Invoicing								
Access Authorized User ID Name Type App Locked								
N N ELLIOTT Hugh Elliott SEL COM Y								
N N FTSUI Frank Tsui								
Y Y JONESB Barry Jones								
N N THOPHAN Tho Phan								
AMBELPVR								
Review/Select Orders for Pro Forma Invoicing								
Access Authorized User ID Name Type App Locked								
N N ELLIOTT Hugh Elliott SEL COM Y								
N N FTSUI Frank Tsui								
Y Y JONESB Barry Jones								
N N THOPHAN Tho Phan								
AMBFQPVR								
Select Orders for Invoicing								
Access Authorized User ID Name Type App Locked								
N N ELLIOTT Hugh Elliott SEL COM Y								
N N FTSUI Frank Tsui								
Y Y JONESB Barry Jones								
N N THOPHAN Tho Phan								

Use this report to review the security status of an application sorted by area, task, and user.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

### Fields

**Report options.** The options you selected on the Specify Area, Specify Task, and Specify User panels to determine what information prints on the report. If you did not select an option, the field is blank.

**Area.** Description of a security area



**Task ID.** Code that identifies a security task.

**Description.** Description of a security task.

**Access.** Status of a user's access to a task:

**Y** User can access the task because it is unlocked or the user is authorized  
**N** User cannot access the task because it is locked and the user is not authorized

**Authorized.** Status of a user's authorization.

**Y** Authorized to the task  
**N** Not authorized to the task

**User ID.** Identifier of a security user.

**Name.** Name of a security user.

**Type.** Code that identifies a category of application function shown on various security maintenance panels.

**GRP** Group of menu options (see the Security task appendix in each application manual for the menu options covered by each GRP record). Not valid on the Display Task and Maintain Task panels.

**INP** Input (entry) of data

**INQ** Inquiry

**MNT** File maintenance

**PRC** Process

**RPT** Report

**SEC** Security other than menu option security. Not valid on the Display Task and Maintain Task panels.

**SEL** Selection for processing

**TRN** Transaction entry or maintenance

**TXN** Transaction. Not valid on the Display Task and Maintain Task panels.

**App.** Application abbreviation.

**Locked.** Protected status of the security task:

**Y** Locked  
**N** Unlocked.

## Security - Sorted by Area, User (AMZAUPFR)

---

AMZAUPFR	FORREST	Security-Sorted by Area, User	*****	Page	1
			*****	*****	**

Report options  
 Application . . . . . : Customer Order Management  
 Security area . . . . . : COM Invoicing  
 Authorized to tasks . . . :  
 User . . . . . :  
 CUSTOMER ORDER MANAGEMENT  
 Area . . . . . : COM Invoicing

Authorized	User ID	Name
None	COLVIN	Dave Colvin
Some	ELLIOTT	Hugh Elliott
Some	FTSUI	Frank Tsui
None	JONESA	Alex Jones
All	JONESB	Barry Jones
None	JONESC	Colleen Jones
None	LSPEN	LornaLee Spence
None	MOSHER	Dave Mosher
Some	THOPHAN	Tho Phan
None	V\$IEPAR	Elaine Parrett
None	V\$KENB	Ken B.

---

Use this report to review the security status of an application sorted by area and user.

This report is printed when you use option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

### Fields

**Report options.** The options you selected on the Specify Area and Specify User panels to determine what information prints on the report. If you did not select an option, the field is blank.

**Area.** Description of a security area.

**Authorized.** Status of a user's authorization:

- All** Authorized to all tasks in an area
- Some** Authorized to some tasks in an area
- None** Authorized to no tasks in an area.

**User ID.** Identifier of a security area.

**Name.** Name of a security user.

---

## Option 4. Work with User Profiles

Use this option to create and maintain user and user group profiles. Group profiles can have security clearances assigned to them like individual users. You can associate or assign users to a user group and have the clearances for the group be passed down to, or inherited by, the individual user. When you change the group's security clearances, clearances for the individuals within the group are also changed.

You can print lists showing user profiles and the groups to which they belong as well as group profiles defined and the user attached or assigned to those groups.

With this option you can:

- Add, change, delete, and display user profile information
- Display action list if requested and process any selected action
- Assign user to or detach from user groups
- Print User Profile list
- Add or delete users to user groups
- Edit operator IDs

For information on panels you use to maintain user profile information, see “Security panels” on page 5-16.

---

## Option 5. Work with Client Data Connection User Profiles

Use this option to identify to IDF those user profiles associated with an IDF client/server application set for establishing a data connection to the System i server. An application set can consist of a single application or multiple applications. While you cannot maintain an application set, you can maintain the user profile associated with the application set by using this option. You can change or display a user profile and password for an application set here.

This option does not create or update System i user profiles. A password change to an System i user profile associated with an application set requires a separate action to synchronize the password.

**Note:** Special authorities \*SECADM and \*ALLOBJ are required to use this option.

For information on panels you use to maintain client data connection user profile information, see “Security panels” on page 5-16.

---

## Option 6. Synchronize Security Files

Use this option to remove any records for users deleted in a previous level of the IDF and to remove any security tasks and areas no longer used in the environment. By removing these records, the system “cleans up” the security files. This option should be run after installing a new level of the IDF to ensure that the users, security tasks, and security areas in the new level of the product are currently applicable.

When you select this option, the system checks AMFLIBy for any dangling records related to users who were deleted in a lower level of the IDF. Any records found for users who were deleted prior to the upgrade are then removed from AMFLIBy.

Similarly, the system checks for security tasks and areas that no longer apply after the upgrade. The system identifies these extra tasks and areas by comparing the security tasks and areas in AMFLIBy with the security tasks and areas in AMXLIBy. Any tasks or areas that are in AMFLIBy but not in AMXLIBy are removed.

**Note:** This option does not affect user-created tasks and areas or tasks automatically created by the IDF product applications. Also, this option does not generate a report.

---

## Security panels

The rest of the chapter shows samples of the panels you use to maintain security information.

<b>Task</b>	<b>Page</b>
"Add Area"	5-17
"Add Tasks"	5-18
"Add User Profile"	5-19
"Attach User to User Group"	5-20
"Attach User Group to User"	5-21
"Authorize to Areas"	5-22
"Authorize to Tasks"	5-23
"Authorize Users to Area"	5-24
"Authorize Users to Task"	5-25
"Change User Authority – Areas"	5-26
"Change User Profile"	5-27
"Confirm Delete of User"	5-28
"Confirm Revoke of Authorizations"	5-29
"Display Tasks"	5-30
"Display User Profile"	5-31
"Display User Authority – Areas"	5-32
"Maintain Security Areas"	5-33
"Maintain Tasks"	5-34
"Maintain User Security"	5-35
"Print Options"	5-36
"Select Security Report"	5-37
"Specify Area"	5-38
"Specify Task"	5-39
"Specify User (for reports)"	5-40
"Specify User (to copy authorizations)"	5-41
"Work with IDF user profiles"	5-42
"Work with Client Data Connection User Profiles"	5-43

## Add Area

Use this panel to enter the information to define a new security area.

This panel opens when you press **F6** on the Maintain Security Areas panel. You must assign the new area to an application.

```
AMZB5DFR                               Maintain Security Areas                               DISPLAY
+-----+
|                                     Add Area                                     |
|                                     Type new name and application.             |
|                                     Area . . . _____                     |
|                                     App . . . IDF IDF Server Support           |
|                                     Type tasks to include, by ID or area.       |
|                                     Task ID . _____                     |
|                                     Area . . . _____                     |
|                                     F3=Exit  F4=Prompt  F12=Return              |
|                                     +-----+                               |
|                                     Client Customization                       |
|                                     +-----+                               |
|                                     F2=Select application  F3=Exit  F6=Add      |
|                                     F7=Backward  F8=Forward  F11=Job status  F12=Return |
+-----+
```

### What to do

To add a security area, do the following and press **Enter**:

- Type a name for the new area.
- Accept the application shown or choose another application. The application will contain the new area when you do security maintenance and print security reports.
- Type a task ID or an existing security area, or both. If you type an area, all the tasks in that area are copied into the new area.

**Note:** Since a security task can be in more than one area, copying tasks from an area does not affect tasks in that area.

The new area is added and the panel from which you came opens.

## Add Tasks

Use this panel to enter the information to add tasks to a user-defined security area.

This panel opens when you press **F6** on the Maintain Tasks panel.

AMZB6DFR	Maintain Tasks	DISPLAY
Add Tasks		
Area . . . . .	BACKUP	
Application . . . .	IDF Server Support	
Type tasks to add, by task ID or area.		
Task ID . . . . .	_____	
Area . . . . .	_____	
F3=Exit F4=Prompt F12=Return		
F3=Exit	F6=Add	F7=Backward
F11=Job status	F12=Return	F8=Forward
	F17=Subset	

### What to do

To add a task to a user-defined security area, type a task ID or an existing security area, or both. If you type an area, all the tasks in that area are copied into the current area.

**Note:** Since a security task can be in more than one area, copying tasks from an area does not affect tasks in that area.

## Add User Profile

Use this panel to add user profile information.

This panel opens when you select **F6** on the Work with IDF user profiles panel.

```
AMZUPW01                Work with IDF user profiles                SELECT
+-----+
|                                     Add User Profile                                     |
|                                     Type information; press Enter.                                     |
|                                     |
| User ID . . . . . = _____ |
| User name . . . . . = _____ |
| Operator ID . . . . . = _____ |
| Startup menu. . . . . = _____ |
| User group flag . . . . . 0      0=User, 1=Group |
| Preferred language. . . . . _____ |
|                                     |
| F3=Exit   F4=Prompt  F10=Actions  F11=Job status |
| F12=Return |
+-----+
```

### What to do

Type the information requested and press **Enter**.

## Attach User to User Group

Use this panel to display a list of user groups and allow a user to be attached to or detached from a user group.

This panel opens when you select option 11, User groups/group users, for a user on Work with IDF user profiles panel (AMZUPW01).

```
AMZUPW21                      Attach User to User Group                      SELECT
User. . . . .                JGREEN      Jim Green
Position to user group. . .   _____
Subset by description . . .   _____

Type options; press Enter.
  5=Display 11=Attach/Detach

Opt   Group ID      Description      Attached
--   -
      AMAPICS      IDF Security Officer      Y

F3=Exit   F7=Backward  F8=Forward  F11=Job status
F12=Return
```

### What to do

To attach or detach a user from a user group, type in the appropriate information and press **Enter**.

- To display a list of users currently attached to a user group, type **5** next to the group ID and press **Enter**. The Display attached users panel opens.
- To attach or detach a user currently attached (Y) or unattached (N) to the selected user group, type **11** next to the user group and press **Enter**. The user is attached to or detached from the user group and the Attached value is changed to reflect the new status.



## Attach User Group to User

Use this panel to display a list of users and allow a user group to be attached to or detached from a user.

This panel opens when you select option 11, User groups/group users, for a user group on Work with User Profiles panel (AMZUPW01).

```
AMZUPW21                Attach User Group to User                SELECT
User group. . . . . AMAPICS      IDF Security Officer
Position to user ID . . . . . _____
Subset by name. . . . . _____

Type options; press Enter.
  5=Display 11=Attach/Detach

Opt  User ID      Name                Attached
---  JGREEN      Jim Green                Y
---  BONESG      Garry Bones              Y
---  QSECOFR     QSECOFR                  N

F3=Exit      F7=Backward  F8=Forward  F11=Job status
F12=Return
```

### What to do

To attach or detach a user group from a user, type in the appropriate information and press **Enter**.

- To display a list of user groups currently attached to a user, type **5** next to the user ID and press **Enter**. The Display attached user groups panel opens.
- To attach or detach a user group currently attached (Y) or unattached (N) to the selected user, type **11** next to the user ID and press **Enter**. The user group is attached to or detached from the user and the Attached value is changed to reflect the new status.

## Authorize to Areas

Use this panel to work with a list of area authorizations for a selected user and application.

This panel opens when you enter **1** on the Select Application panel after you do one of the following:

- Enter **13** on the Maintain User Security panel
- Press **F10** and choose action 050 on the Change User Authority - Areas panel.

```
AMZBSDFR                      Authorize to Areas                      DISPLAY
User . . . . . : AMAPICS      IDF Security Officer
Application . . . . . : IDF Server Support
Position to area . . . . . _____

Type options; press Enter.
  5=Display  11=Authorize users  16=Authorize  17=Revoke
  19=Authorize to tasks

Opt  Authorized  Area
--   -
--   All        Client Administration
--   All        Client All Application Tasks
--   All        Client Application Settings Tasks
--   All        Client Attachment Tasks
--   None       Client Attachment Tasks
--   All        Client Change Tasks
--   None       Client Code File Tasks
--   All        Client Copy Tasks
--   All        Client Create Tasks                                     +

F3=Exit      F7=Backward  F8=Forward  F10=Actions
F11=Job status  F12=Return
```

### What to do

Do one or more of the following:

- To see this user's task authorizations, type **5** next to an area and press **Enter**. The Display Tasks for a User panel opens.
- To maintain user authorizations for an area, type **11** next to an area and press **Enter**. The Authorize Users to Area panel opens.
- To authorize this user to all tasks in an area, type **16** next to an area and press **Enter**. The user is authorized.
- To revoke this user's authorizations to all tasks in an area, type **17** next to an area and press **Enter**. The user's authorizations are revoked.
- To maintain this user's authorizations for the tasks in an area, type **19** next to an area and press **Enter**. The Authorize to Tasks panel opens.

## Authorize to Tasks

Use this panel to work with a list of authorizations for a selected user and area.

This panel opens when you enter **19** on the Change User Authority - Areas, the Authorize to Areas, or the Authorize Users to Area panel.

```

AMZBQDFR                                Authorize to Tasks                                DISPLAY
User . . . . . : AMAPICS      IDF Security Officer
Area . . . . . : Client Change Tasks
Position to task ID . . . . . _____

Type options; press Enter.
  11=Authorize users  16=Authorize  17=Revoke
  20=Display areas

-----User-----
Opt  Access  Authorized  Task ID                Type  App  Locked
---  ---    ---        ---                    ---   ---  ---
_    Y       Y         ATTACH  CHANGE              SEC   IDF   N
                        Change Attachments
_    Y       Y         MEDIAF   CHANGE              SEC   IDF   N
                        Change Media Files
_    Y       Y         MNTCLS   CHANGE              SEC   IDF   N
                        Change Maintenance Classes
_    Y       Y         MNTRSN   CHANGE              SEC   IDF   N
                        Change Maintenance Reasons

F2=Maintain tasks  F3=Exit      F7=Backward
F8=Forward        F11=Job status  F12=Return  F17=Subset
  
```

## What to do

Do one or more of the following:

- To maintain user authorizations for a task, type **11** next to a task and press **Enter**. The Authorize Users to Task panel opens.
- To authorize this user to a task, type **16** next to a task and press **Enter**. The user is authorized.
- To revoke this user's authorization to a task, type **17** next to a task and press **Enter**. The user's authorization is revoked.
- To see all the areas containing a task, type **20** next to a task and press **Enter**. The Display Areas panel opens.

## Authorize Users to Area

Use this panel to work with a list of user authorizations for a selected security area.

This panel opens when you enter **11** on the Change User Authority - Areas, the Authorize to Areas, or the Maintain Security Areas panel.

```
AMZBVDFR                      Authorize Users to Area                      DISPLAY
Area . . . . . : Client Administration
Position to user ID . . . _____

Type options; press Enter.
  5=Display  16=Authorize  17=Revoke  19=Authorize to tasks

Opt  Authorized  User ID      Name
---  -
All  All        AMAPICS     IDF Security Officer
All  All        JGREEN      Jim Green
None None        BONESG      Garry Bones
All  All        QSECOFR     QSECOFR

F3=Exit      F7=Backward  F8=Forward  F11=Job status
F12=Return   F17=Subset
```

### What to do

Do one or more of the following:

- To see a user's authorizations for the tasks in the selected area, type **5** next to a user and press **Enter**. The Display Tasks for a User panel opens.
- To authorize a user to all tasks in the selected area, type **16** next to a user and press **Enter**. The user is authorized.
- To revoke a user's authorization to all tasks in the selected area, type **17** next to a user and press **Enter**. The user's authorization is revoked.
- To maintain a user's authorizations for the tasks in the selected area, type **19** next to a user and press **Enter**. The Authorize to Tasks panel opens.

## Authorize Users to Task

Use this panel to work with a list of user authorizations for a selected security task.

This panel opens when you enter **11** on the Authorize to Tasks or the Maintain Tasks panel.

```
AMZB1DFR                      Authorize Users to Task                      DISPLAY
Task . . . . . : Perform User Definition Administration
Locked . . . . . : N
Position to user ID . . . : _____

Type options; press Enter.
 16=Authorize  17=Revoke

Opt Authorized  User ID      Name
---          -
  Y           AMAPICS     IDF Security Officer
  Y           JGREEN      Jim Green
  N           BONESG     Garry Bones
  Y           QSECOFR     QSECOFR

F3=Exit      F7=Backward  F8=Forward  F11=Job status
F12=Return   F17=Subset
```

### What to do

Do one or more of the following:

- To authorize a user to the selected task, type **16** next to a user and press **Enter**. The user is authorized.
- To revoke a user's authorization to the selected task, type **17** next to a user and press **Enter**. The user's authorization is revoked.

## Change User Authority – Areas

Use this panel to work with a list of area authorizations for a selected user. Only authorized areas appear in the list.

This panel opens when you enter **2** on the Maintain User Security panel.

AMZBIDFR	Change User Authority - Areas			DISPLAY
User . . . . .	:	AMAPICS	IDF Security Officer	
Position to area ID . . .	:	_____		
Subset by description . .	:	_____		
Type options; press Enter.				
		5=Display	11=Authorize users	16=Authorize 17=Revoke
		19=Authorize to tasks		
Opt	Authorized	Area ID	Description	
—	All	AMZ APPSET	Client Application Settings Tasks	
—	All	AMZ ATTACH	Client Attachment Tasks	
—	All	AMZ CLT 01	Client All Application Tasks	
—	All	AMZ CLT 02	Client Inquiry Tasks	
—	All	AMZ CLT 03	Client Maintenance Tasks	
—	All	AMZ CLT 04	Client Mass Maintenance Tasks	
—	All	AMZ CLT 05	Client Create Tasks	
—	All	AMZ CLT 06	Client Change Tasks	
—	All	AMZ CLT 07	Client Delete Tasks	+
F3=Exit	F7=Backward	F8=Forward	F10=Actions	
F11=Job status	F12=Return			

### What to do

Do one or more of the following:

- To see this user's authorizations for the tasks in a security area, type **5** next to the area and press **Enter**. The Display Tasks for a User panel opens.
- To maintain user authorizations to the tasks in a security area, type **11** next to the area and press **Enter**. The Authorize Users to Area panel opens.
- To authorize this user to all the tasks in a security area, type **16** next to an area and press **Enter**. The user is authorized.
- To revoke this user's authorizations to all the tasks in a security area, type **17** next to an area and press **Enter**. The user's authorizations are revoked.
- To maintain this user's authorizations for the individual tasks in a security area, type **19** next to the area and press **Enter**. The Authorize to Tasks panel opens.

## Change User Profile

Use this panel to change user profile information.

This panel opens when you select option 2, Change, on the Work with IDF user profiles panel.

```
AMZUPW01                Work with IDF user profiles                SELECT

      Change User Profile

Type information; press Enter.

User ID . . . . . AMAPICS
User name . . . . . IDF Security Officer
Operator ID . . . . . _____
Startup menu. . . . . _____
User group flag . . . . . 1   0=User, 1=Group
Preferred language. . . . . _____

F3=Exit   F4=Prompt   F10=Actions   F11=Job status
F12=Return
```

### What to do

Type the information requested and press **Enter**.

## Confirm Delete of User

Use this panel to confirm user deletion.

This panel opens when you select option 4, Delete, on the Work with IDF user profiles panel (AMZUPW01).

```
AMZUPW01                Work with IDF user profiles                SELECT
-
                        Confirm delete of user
-
This user will be deleted from the system.
All authorities for this user will be deleted.

Press Enter to confirm your choice for deletion.
Press F12 to change your choice.

User . . :  AMAPICS                IDF Security Officer

F3=Exit   F12=Return
```

### What to do

To delete the user, press **Enter**.



## Confirm Revoke of Authorizations

Use this panel to confirm the removal of a user's authorizations.

This panel opens when you type 17, Revoke, on the Maintain User Security panel (AMZBGDFR).

_AMZAEPVR	Confirm Revoke of Authorizations	ENTER
All application and data authorizations for this user will be revoked. This user will be able to use unlocked functions only.		
Press Enter to confirm you choice for revoke. Press F12 to return to change your choices.		
User . . . : AMAPICS IDF Security Officer		
F2=Display authorizations F3=Exit F12=Return		

### What to do

To revoke the user's authorizations, press **Enter**.

## Display Tasks

Use this panel to work with a list of tasks for a selected security area.

This panel opens when you type **5** on the Maintain Security Areas panel.

```
AMZB0DFR                               Display Tasks                               DISPLAY
Application . . . . . :  IDF  IDF Server Support
Area . . . . . :  BACKUP
Position to task ID . . .  _____
Type options; press Enter.
  20=Display areas
Opt  Task ID                               Type      App      Locked
__  AMZM0007                               PRC       IDF       N
    Back Up IDF Files

F3=Exit      F7=Backward  F8=Forward
F11=Job status  F12=Return   F17=Subset
```

### What to do

To see all the security areas to which a task belongs, type **20** next to a task and press **Enter**. The Display Areas panel opens.

## Display User Profile

Use this panel to display all user profile fields for selected user.

This panel opens when you select option 5, Display, on the Work with IDF user profiles panel (AMZUPW01).

```
AMZUPW01                Work with IDF user profiles                SELECT
-
                                Display User Profile
User ID . . . . . AMAPICS
User name . . . . . IDF Security Officer
Operator ID . . . . .
Startup menu. . . . .
User group flag . . . . . 1    0=User, 1=Group
Preferred language. . . . .

F3=Exit   F12=Return
```

### What to do

After viewing the data, use a function key to exit.

## Display User Authority – Areas

Use this panel to work with a list of area authorizations for a selected user.

This panel opens when you enter **5** on the Maintain User Security panel.

```
AMZBHDFR                Display User Authority - Areas                DISPLAY
User . . . . . : AMAPICS      IDF Security Officer
Position to area ID . . . _____
Subset by description . . _____

Type option; press Enter.
  5=Display

Opt Authorized Area ID Description
= All AMZ APPSET Client Application Settings Tasks
- All AMZ ATTACH Client Attachment Tasks
- All AMZ CLT 01 Client All Application Tasks
- All AMZ CLT 02 Client Inquiry Tasks
- All AMZ CLT 03 Client Maintenance Tasks
- All AMZ CLT 04 Client Mass Maintenance Tasks
- All AMZ CLT 05 Client Create Tasks
- All AMZ CLT 06 Client Change Tasks
- All AMZ CLT 07 Client Delete Tasks
- All AMZ CLT 08 Client Copy Tasks +

F3=Exit      F7=Backward  F8=Forward
F11=Job status F12=Return
```

### What to do

To see this user's authorizations to the tasks in a security area, type **5** next to an area and press **Enter**. The Display Tasks for a User panel opens.

## Maintain Security Areas

Use this panel to work with a list of security areas for a selected application.

This panel opens when you do one of the following:

- Select option 1, Area and task authorizations, on the Security Maintenance menu (AMZMXA) and enter **1** on the Select Application panel.
- Press **F10** and choose action 070 on the Change User Authority - Areas panel and enter **1** on the Select Application panel.

```
AMZB5DFR                               Maintain Security Areas                               DISPLAY
Application . . . . . :   IDF   IDF Server Support
Position to area . . . .   _____

Type options; press Enter.
  2=Change  4=Delete  5=Display  11=Authorize users

Opt Area
—  BACKUP
—  Client Administration
—  Client All Application Tasks
—  Client Application Settings Tasks
—  Client Attachment Tasks
—  Client Attachment Tasks
—  Client Change Tasks
—  Client Code File Tasks
—  Client Copy Tasks
—  Client Create Tasks
—  Client Customization                                     +

F2=Select application    F3=Exit          F6=Add
F7=Backward             F8=Forward      F11=Job status   F12=Return
```

### What to do

Do one or more of the following:

- To maintain the tasks in a user-defined security area, or to change the lock status of tasks in an area, type **2** next to an area and press **Enter**. The Maintain Tasks panel opens.
- To delete a user-defined security area, type **4** next to an area and press **Enter**. The Confirm Delete of Area panel opens.
- To see the tasks in a security area, type **5** next to an area and press **Enter**. The Display Tasks panel opens.
- To maintain user authorizations for an area, type **11** next to an area and press **Enter**. The Authorize Users to Area panel opens.

## Maintain Tasks

Use this panel to work with a list of security tasks for a selected area.

This panel opens when you press **F2** on the Authorize to Tasks or enter **2** on the Maintain Security Areas panel.

```
AMZB6DFR                               Maintain Tasks                               DISPLAY
Area . . . . . :  BACKUP
Position to task ID . . .  _____

Type options; press Enter.
  4=Delete  11=Authorize users  22=Lock  23=Unlock

Opt  Task ID                Type    App    Locked
--  -
   AMZM0007                PRC    IDF    N
   Back Up IDF Files

F3=Exit      F6=Add      F7=Backward  F8=Forward
F11=Job status  F12=Return  F17=Subset
```

### What to do

Do one or more of the following:

- To delete a task in the selected user-defined area, type **4** next to a task and press **Enter**. The Confirm Delete of Task panel opens.
- To maintain user authorizations for a task, type **11** next to a task and press **Enter**. The Authorize Users to Task panel opens.
- To lock a task, type **22** next to a task and press **Enter**. The task is locked.
- To unlock a task, type **23** next to a task and press **Enter**. The task is unlocked.

## Maintain User Security

Use this panel to work with a list of security users.

This panel opens when you select option 2, User authorizations, on the Security Maintenance menu (AMZMXA).

```
AMZBGDFR                               Maintain User Security                               DISPLAY

Position to user ID . . . . . _____
Subset by name . . . . . _____

Type options; press Enter
  2=Change   5=Display
 13=Authorize to application       17=Revoke

Opt   User ID      Name
--   --
--   AMAPICS      IDF Security Officer
--   JGREEN        Jim Green
--   BONESG        Garry Bones
--   QSECOFR       QSECOFR

F3=Exit      F7=Backward   F8=Forward
F10=Actions  F11=Job status  F12=Return
```

### What to do

Do one or more of the following:

- To maintain authorizations for a user, type **2** next to a user and press **Enter**. The Change User Authority - Areas panel opens.
- To see authorizations for a user, type **5** next to a user and press **Enter**. The Display User Authority - Areas panel opens.
- To maintain user authorizations for areas and tasks, type **13** next to a user and press **Enter**. The Select Application panel opens.
- To revoke all authorizations for a user, type **17** next to a user and press **Enter**. The Confirm Revoke of Authorizations panel opens.

## Print Options

Use this panel to select what report you want printed.

This panel opens when you select **F21** on the Work with IDF user profiles panel.

```
AMZUPW01                      Work with IDF user profiles                      SELECT
+-----+
|                                     Print options                               |
|                                     Type option: press Enter.                  |
|                                     1=Select                                   |
|                                     |                                         |
|                                     Opt  Report Description                   |
|                                     =    User Profile List                   |
|                                     -    User Group List                     |
|                                     -    User/User Group List                 |
|                                     |                                         |
|                                     F3=Exit  F12=Return                       |
|                                     |                                         |
+-----+
```

### What to do

To print a report, type **1** in the option field beside the report you want to select and press **Enter**.



## Select Security Report

Use this panel to select the type of information you want to print on a security report.

This panel opens when you select option 3, Generate reports, on the Security Maintenance menu (AMZMXA).

```
AMZA5PVR                               Select Security Report                               ENTER
Type option; press Enter.
Option . . .   _   Area and task authorizations sorted by
                1  User, Area
                2  User, Area, Task
                3  User, Task
                4  Task, User
                5  Area, Task, User
                6  Area, User
F3=Exit  F11=Job status  F12=Return
```

### What to do

To choose how you want a security report to be sorted, type an option and press **Enter**. The Specify User panel opens.

Each sorting field (user, area, and task) for an option has a corresponding selection panel. By specifying values in the fields on the selection panels, you can narrow the range of information printed on the report. Fields that you leave blank are not used to narrow the range. When you leave a field blank, all values associated with the field print on the report if they are not eliminated by other selections you made.

The following is information about the report options you can select:

- Use option 1, User, Area, to print a summary of the authorizations for each user. If you are printing the report for a single area; option 6, Area, User may provide a more readable format.
- Use option 2, User, Area, Task, to print details of each user's security status sorted by application and security area. If you are printing the report for a single area, option 5, Area, Task, User, might provide a more readable format. If a user is specified and no other selections are made, you can use the report to see all security areas and tasks. You can narrow the information by specifying an application or an area.
- Use option 3, User, Task, to print details of each user's security status. If a user is specified and no other selections are made, you can use the report to see all

security tasks. If you are printing the report for a single task; option 4, Task, User may provide a more readable format.

- Use option 4, Task, User, to print details of the security status for each task. If you are printing the report for a single user; option 3, User, Task may provide a more readable format.
- Use option 5, Area, Task, User, to print details of the security status for each task sorted by application and security area. If you are printing the report for a single user; option 2, User, Area, Task might provide a more readable format.
- Use option 6, Area, User, to print a summary of the user authorizations for each security area. If you are printing the report for a single user; option 1, User, Area, might provide a more readable format.

## Specify Area

Use this panel to enter the area information you want to print on the security report.

This panel opens when you press **Enter** on the Specify User panel if you select an option containing a sort by area on the Select Security Report panel.

```
AMZA5PVR                               Select Security Report                               ENTER
:-----:
:                               Specify Area                               :
:                               :                                           :
: Type information; press Enter.   :                                           :
:                               :                                           :
: Application . . . . .           : _____ :                                           :
: Area . . . . .                 : _____ :                                           :
: Authorized to tasks -          : 1=Some or All :                                           :
:                               : 2=All           :                                           :
:                               : 3=None         :                                           :
:                               :                                           :
: F3=Exit  F4=Prompt  F12=Return :                                           :
:                               :                                           :
:-----:

F3=Exit  F11=Job status  F12=Return
```

## What to do

To specify area information, do the following and press **Enter**. Depending on the option you selected on the Select Security Report panel, another specify panel opens or the report is printed.

- Enter specific area information or leave all fields blank to include all areas. You must enter an application if you enter an area.
- Use the Authorized to tasks field in the following ways:
  - Select 1=Some or All to see all authorizations for an area.

- If you selected the User, Area report (option 1) or the User, Area, Task report (option 2), this field determines which areas are printed for each user. You cannot enter a value in this field here and enter an area.
- If you selected the Area, Task, User report (option 5) or the Area, User report (option 6), this field determines which users are printed for each area, or if you specified a user, determines which areas are printed. You cannot enter a value in this field and enter an area if you specified a user.

## Specify Task

Use this panel to enter the task information you want to print on the security report.

This panel opens when you:

- Press **Enter** on the Specify User panel if you select option 3, User Task, or option 4, Task, User, on the Select Security Report panel
- Press **Enter** on the Specify Area panel if you select option 2, User, Area, Task, or option 5, Area, Task, User, on the Select Security Report panel

```

AMZA5PVR                               Select Security Report                               ENTER
-----
                                     Specify Task
                                     Type information; press Enter.
Task ID . . . . . _____
Task locked . . . . . _ (blank, Y, N)
Task access . . . . . _ (blank, Y, N)
Task authorized . . . _ (blank, Y, N)

F3=Exit  F4=Prompt  F12=Return

F3=Exit  F11=Job status  F12=Return

```

## What to do

To specify task information, do the following and press **Enter**. Depending on the option you selected on the Select Security Report panel, another specify panel opens or the report is printed.

- Enter specific task information or leave all fields blank to include all tasks. If you enter a task ID, a report for only that task is printed.
- Depending on the report you selected and the values you entered on prior specify panels, you may be limited to certain field values on this panel. If you enter a field value that conflicts with other field values, you get an error message.

## Specify User (for reports)

Use this panel to enter a user for whom you want to print a security report.

This panel opens when you press **Enter** on the Select Security Report panel.

AMZA5PVRSelect Security ReportENTER

Specify User

Type information; press Enter.

User ID . . . . . \_\_\_\_\_

F3=Exit F4=Prompt F12=Return

orted by

F3=ExitF11=Job statusF12=Return

### What to do

To specify a user, do one of the following and press **Enter**. A different panel opens depending on the option you selected on the Select Security Report panel.

- Type a user or press **F4** to see a list of users.
- Leave the User ID field blank. All users are printed if they are not eliminated by the other selections you made.
  - If you selected the Task, User report (option 4) and leave the **User ID** field blank, you can use the Task access and Task authorized fields on the Specify Task panel to narrow the list of users for each task.
  - If you selected the Area, Task, User report (option 5) and leave the **User ID** field blank, you can use the Authorized to task field on the Specify Area panel or the Task access and Task authorized fields on the Specify Task panel to narrow the list of users for each task.
  - If you selected the Area, User report (option 6) and leave the **User ID** field blank, the Authorized to tasks field on the Specify Area panel determines which users print for each area on the report.

## Specify User (to copy authorizations)

Use this panel to enter the ID for a user whose authorizations you want to copy or to enter a user for whom you want to print a security report.

This panel opens when you press **F10** on the Change User Authority - Areas panel and then choose action 040 on the Security Actions panel.

AMZBIDFR	Change User Authority - Areas	DISPLAY
<b>Specify User</b>		ty Officer
Type information; press Enter.		_____
From User ID . . . . = _____		17=Revoke
F3=Exit F4=Prompt F12=Return		tings Tasks
		ks
		n Tasks
		sks
		ce Tasks
		+
F3=Exit F7=Backward F8=Forward		F10=Actions
F12=Return		

### What to do

To specify a user whose authorizations you want to copy, type the user ID and press **Enter**. The Change User Authority - Areas panel opens.

## Work with IDF user profiles

Use this panel to add, change, delete and display user or user group profiles.

This panel opens when you select option 4, Work with User Profiles, on the Security Maintenance menu (AMZMXA).

```
AMZUPW01                Work with IDF user profiles                SELECT

Position to user ID . . . . . _____
Subset by name . . . . . _____

Type options; press Enter.
  2=Change  4=Delete  5=Display  11=User groups/group users

Opt  User ID      Name                      User Group
--  ---
--  AMAPICS      IDF Security Officer      Y
--  JGREEN        Jim Green                  N
--  BONESG        Garry Bones                N
--  QSECOFR       QSECOFR                    N

F3=Exit      F6=Add      F7=Backward  F8=Forward
F10=Actions  F11=Job status F12=Return   F21=Print
```

### What to do

To add, change, delete or display user or user/group profiles information, do the following and press **Enter**. Depending on the option you selected, another panel opens or a report is printed.

- If option 2, Change, is entered, the Change User Profile panel opens.
- If option 4, Delete, is entered, the Confirm Delete of User panel opens.
- If option 5, Display, is entered, the Display User Profile panel opens.
- If option 11, User groups/group users, is entered and the selected ID is for an individual user, the Attach User to User Group panel opens.
- If option 11, User groups/group users, is entered and the selected ID is for a group, the Attach User Group to User panel opens.

Use one of the function keys as needed to perform other actions.

## Work with Client Data Connection User Profiles

Use this panel to change or display user profiles associated with an application set for establishing a data connection to the System i server.

This panel opens when you select option 5, Work with Client Data Connection User Profiles, on the Security Maintenance menu (AMZMXA).

```
AMZCSU01          Work with Client Data connection user profiles          Select
Type options, press Enter.
  2=Change  5=Display

Opt  Application set  Profile  Description
--  -
--  MXAPLUS          MXAPLUS  MAPICS XA Plus applications
--  MXACMS           MXACMS   MAPICS XA Coil Management Solutions
--  infor            MXABUS   Infor Bus

F3=Exit      F7=Backward  F8=Forward  F11=Job status
F12=Return                                       Bottom
```

### What to do

To change or display application set user profile information, do the following and press **Enter**. Depending on the option you selected, another panel opens.

- If option 2, Change, is entered, the Change client data connection user profile information panel opens.
- If option 5, Display, is entered, the Display client data connection user profile information panel opens.

Use one of the function keys as needed to perform other actions.

---

## Chapter 6. Application Maintenance

When you select option 11, Application Maintenance on the IDF Main Menu (AMZM00), the Application Maintenance menu (AMZMXB) opens. Use this menu to copy Program Temporary Files (PTFs) that you receive using the Electronic Customer Support (ECS) facility to a test library and to move objects from a test library to the Infor Development Framework (IDF) application libraries.

- Option 1. Apply ECS PTF To Test Library ..... 6-1  
Option 2. Apply Tested Changes ..... 6-3

AMZMXB	IDF Server Development Environment	ATL#D3M246	
	Application Maintenance	UU	
Type option or command; press Enter.			
1. Apply ECS PTF to Test Library			
2. Apply Tested Changes			
==> _____			
F3=Exit	F4=Prompt	F9=Retrieve	F10=Actions
F11=Job status	F12=Return	F22=Messages	

**Option 1. Apply ECS PTF to Test Library.** Used to copy Program Temporary Fixes (PTFs) that you receive using the System i Electronic Customer Support (ECS) facility to your test library from the save file in which the fixes are received. This function restores the fixed objects as operational programs and files. After you finish testing the fixes, you can move them from your test library to the application libraries using option 2, Apply Tested Changes.

**Option 2. Apply Tested Changes.** Used to move the objects from your test library to the application libraries. Choosing this option places the applications in dedicated mode. You must be signed on as the System i security officer (QSECOFR) to use this option.

---

### Option 1. Apply ECS PTF To Test Library

Use this option to copy Program Temporary Fixes (PTFs) to your test library from the save file in which they are received through the Internet.

The ECS PTF is in the form of a System i Save File containing fixed objects that are to be restored to your test library as operational programs and files. After you finish testing these fixes, you can move them from your test library to the designated application libraries using option 2, Apply Tested Changes, on the Application



Maintenance menu (AMZMXB). This function restores the fixed objects as operational programs and files.

When you select this option, the Apply ECS PTF To Test Library display (AMZPCEA) opens.

## AMZPCEA—Apply ECS PTF to Test Library

DATE	5/29/08	APPLY ECS PTF TO TEST LIBRARY	AMZPCEA	UU
			<u>DESIGNATED LIBRARIES</u>	
			AMALIBU	
			AMFLIBU	
ECS PTF NUMBER (SAVE FILE)				
SAVED LIBRARY NAME				
LIBRARY CONTAINING ECS PTF	QGPL			
TEST LIBRARY TO RECEIVE PTF		-		
			F06 DISPLAY SAVE FILE	
			F24 END OF JOB	

### What to do

Type the information requested and press **Enter**. The objects in the save file are restored to the test library. The save file is unchanged.

### Function keys

F06 DISPLAY SAVE FILE shows the System i Display Saved Objects display with the Saved Library Name.

F24 END OF JOB returns you to the Application Maintenance menu (AMZMXB).

### Fields

**DESIGNATED LIBRARIES.** The application libraries for the environment you are maintaining.

For information about the x and y suffixes on the library names, see Chapter 7, "Environment Support." For information about libraries, see the "Library lists" section in Chapter 1, "Introducing Infor Development Framework."

**ECS PTF NUMBER (SAVE FILE).** Type the number for the PTF as it was received using the ECS facility.

**SAVED LIBRARY NAME.** Type the name of the library that contained the PTF when it was saved for transmission by ECS. You can determine the Save File name by using **F06** to show the save file after you have typed in the other fields on this display. The ECS PTF number is used if you leave this field blank.

**LIBRARY CONTAINING ECS PTF.** QGPL appears in this field as a default because it is the system library that normally receives a PTF by ECS. Type the name of the library that currently contains the ECS PTF save file if you know that it is not QGPL.

**TEST LIBRARY TO RECEIVE PTF.** Type the name of the library to which you want to apply the PTF for testing. This test library must already have been created on the system. It cannot be a system library or one of the designated libraries shown for this environment.

---

## Option 2. Apply Tested Changes

Use this option to move objects from your test library to one of the designated application libraries for this environment after you finish testing them. Choosing this option places the applications in dedicated mode. You must be signed on as the System i security officer (QSECOFR) to use this option.

When you select this option, the Permanently Apply Tested Changes display (AMZPC9A) opens.

## AMZPC9A—Permanently Apply Tested Changes

DATE	6/09/08	PERMANENTLY APPLY TESTED CHANGES	AMZPC9A	UU
			<u>DESIGNATED LIBRARIES</u>	
			AMALIBU	
			AMFLIBU	
OBJECT NAME	-			
OBJECT TYPE				
TEST LIBRARY CURRENTLY CONTAINING OBJECT				
PERMANENT LIBRARY TO RECEIVE OBJECT				
				F24 END OF JOB

## What to do

Type the information requested and press **Enter**. The system checks the object type.

If the object type is \*FILE and the referenced file is a physical data base file, data is copied from the old file of the same name in the operational library to the test file of the same name in the test library. Field data is copied to fields with corresponding names. If no corresponding field is found, data is dropped. New fields are initialized to blanks or zeros.

For all objects, the old named object, if it exists, is deleted from the operational library. The new object is then moved from the test library to the operational library.

## Functions

F24 END OF JOB returns you to the Application Maintenance menu (AMZMXB).

## Fields

**DESIGNATED LIBRARIES.** The application libraries for the environment you are maintaining.

For information about the x and y suffixes on the library names, see Chapter 7, "Environment Support." For information about libraries, see the "Library lists" section in Chapter 1, "Introducing Infor Development Framework."

**OBJECT NAME.** Type the name of the program, file, or data area you want to move to the permanent library. If you are applying a change to a source file member in AXXSRC, type the member name.

**OBJECT TYPE.** Type the type of object to be moved:

\*PGM        For a program  
\*FILE       For a file  
\*DTAARA    For a data area  
\*SRCMBR    For a single source member in the source file AXXSRC.

**TEST LIBRARY CURRENTLY CONTAINING OBJECT.** Type the name of the library from which you want the tested object moved.

**PERMANENT LIBRARY TO RECEIVE OBJECT.** Type one of the designated libraries shown for this environment. The tested object permanently replaces the old object in this library.

For changes applied to AMALIBx, where x is the first character of an environment designator, all environments that share the AMALIBx are updated. You do not have to apply the changes to all shared environments.

## Chapter 7. Environment Support

When you select option 12, Environment Support, on the IDF Main Menu (AMZM00), the Environment Support menu (AMZMXC) opens. Use this menu to maintain IDF environments.

**Note:** To create a new IDF environment, you must create the new environment on the System i, then import the environment through the Link Manager function of the IDF. See the instructions for adding a new environment in the help text for the Environments object in Link Manager.

Before you begin .....	7-2
Option 1. Maintain Library List.....	7-3
Option 2. Add Routing Entry for Environment .....	7-7
Option 3. Display Environments .....	7-8
Option 4. List Environments .....	7-11
Option 5. Delete Environment .....	7-12

```

AMZMXC                IDF Server Development Environment          ATL#D3M246
                    Environment Support                          UU

Type option or command; press Enter.

    1. Maintain Library List
    2. Add Routing Entry for Environment
    3. Display Environments
    4. List Environments
    5. Delete Environment

==> _____

F3=Exit      F4=Prompt   F9=Retrieve   F10=Actions
F11=Job status  F12=Return  F22=Messages
  
```

**Option 1. Maintain Library List.** Used to change the order of the libraries in the IDF environment library list. You can also add or delete libraries in the list. You must have \*ALLOBJ (all object) authority in your System i user profile. Choosing this option places the applications in dedicated mode in the environment in which you are working.

**Option 2. Add Routing Entry for Environment.** Used to add a routing entry to the QBATCH subsystem for an IDF environment, so unattached jobs can be run for that environment. You must have \*ALLOBJ (all object) authority in your System i user profile.

**Option 3. Display Environments.** Used to review a list of environment designators and descriptions for all of your IDF environments. You can also review a list of the libraries within a specified environment.

**Option 4. List Environments.** Used to print a list of your environments and libraries.

**Option 5. Delete Environment.** Used to delete an IDF environment from your system. You must have \*ALLOBJ (all object) authority in your System i user profile. Choosing this option places the environment to be deleted into dedicated mode.

---

## Before you begin

An environment is a set of libraries required to run IDF applications. All environments include the following resident program and file libraries. These libraries are on the system at all times.

**AMCESLIB** IDF programs  
**AMCESSQL** IDF data files  
**AMALIB** Application programs  
**AMFLIB** Master files

IDF environments might also include an associated non-resident LIBRARY, AMSLIB (online backup), that the system creates as needed.

## Identifying an environment

You identify an environment by a two-character code, the environment designator. When you install a new environment, you choose one character for program libraries and one character for the file libraries. (The characters can be A - Z, 1 - 9, #, \$, @, or \_.) These two characters become the IDF environment designator.

Each character of the environment designator becomes a suffix added to a standard library name. The library names in this book show an **x** for a program library suffix and a **y** for a file library or a non-resident library suffix. For example, the program library for an environment appears as AMALIBx.

Figure 16-1 shows two sample environments. Each environment consists of one set of file libraries under the control of one set of program libraries. The environments are referred to as the **AB** environment and the **CD** environment. The AB environment includes program libraries AMALIB**A** and AMCESLIB and file libraries AMCESSQL, and AMTLIB**B**. **AB** is the environment designator. The **CD** environment includes program libraries AMALIB**C** and AMCESLIB and file libraries AMFLIB**D**, and AMCESSQL. **CD** is the environment designator.

The suffixes for both the program and files libraries can be the same. In that case, you could have environment designators **AA**, **BB**, and so forth.

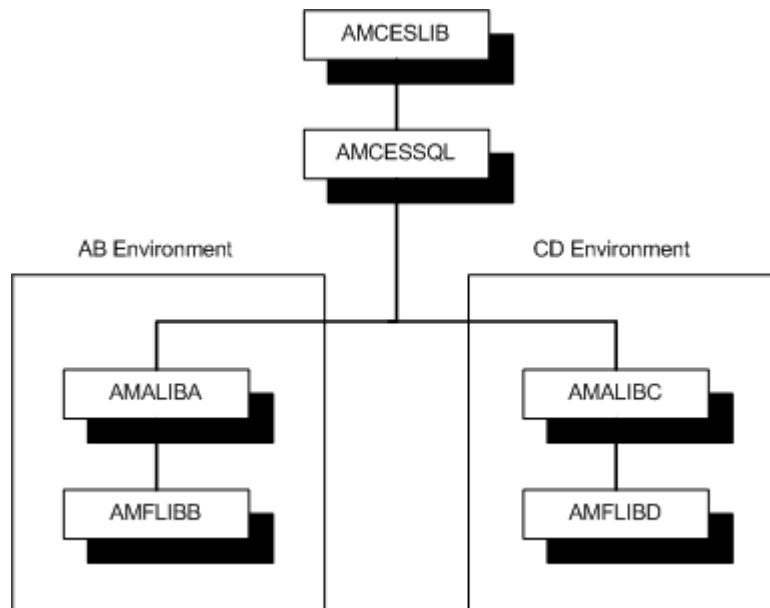


Figure 7-1. Environments AB and CD

## Environment library list

When you select an environment while you are signing on, a record for the environment is retrieved from the file MMLIST by the system. This record contains the environment description you entered when you created the environment and the default library list required when processing in the environment. The library list is retrieved automatically when you sign on to the environment at the workstation. To maintain the library lists, see “Option 1. Maintain Library List” on page 7-3.

## Routing entries

You must add routing entries for all new environments. See “Option 2. Add Routing Entry for Environment” on page 7-7 for information.

---

## Option 1. Maintain Library List

Use this option to change the order of the libraries in the library list, and to add or delete libraries in the list.

You must have \*ALLOBJ (all object) authority in your System i user profile. Choosing this option places the IDF environment in dedicated mode.

You may use this option to add your own libraries to the standard library list for the environment. This function is useful if you have made your own modifications to programs. Place the modified code in your own library and change the library list using option 1, Maintain Library List, to place your library ahead of the program library. Your changed programs are executed when you process functions, but the programs in the program library are unchanged.

You may also use option 1, Maintain Library List, to change the names of the libraries in the environment. You should not change the names of the designated libraries until you are completely familiar with Environment Support functions.

When you select this option, the Maintain Library List display (PSZUE1) opens.

## PSZUE1—Maintain Library List (Select)

Use this display to select the environment for the library list you want to maintain.

Date	7/09/08	Maintain Library List	SELECT	PSZUE1	UU
Executing Environment	UU	IDF Server Development Environment			
Environment to be Maintained					
F24 Cancel the Job					

### What to do

Type the information requested and press **Enter**. The Maintain Library List (Change) display (PSZUE2) opens.

### Function keys

F24 Cancel the Job returns you to the Environment Support menu (AMZMXC).

### Fields

**EXECUTING ENVIRONMENT.** The designator and description for the environment in which you are currently executing.

**ENVIRONMENT TO BE MAINTAINED.** Type the environment designator for the environment to be maintained. The first character of the designator is the program library suffix; the second character is the file and non-resident library suffix.

## PSZUE2—Maintain Library List (Change)

Use this display to change the order of the libraries in the library list, and to add or delete libraries in the list. This display opens when you press **Enter** on the Maintain Library List (PSZUE1) display.

Date	7/09/08	Maintain Library List	CHANGE	PSZUE2	UU
Executing Environment		UU	IDF Server Development Environment		
Environment to be Maintained		UU	IDF Server Development Environment		
-----Environment Library List-----			Designated Libraries		
Pos	New	Library	Pos	New	Library
01	01	QTEMP	14		Programs
02	-	AMALIBU	15		IDF Files
03		AMFLIBU	16		Online Backup
04		QGPL	17		
05			18		
06			19		
07			20		
08			21		
09			22		
10			23		
11			24		
12			25		
13					
F17 Update Library List F18 Refresh F24 Cancel the Job					

### What to do

Type your changes and press **Enter**. Display PSZUE2 opens again with the changes. You may continue to type changes and press Enter until you achieve the desired results. Use **F17** to apply the changes. The Maintain Library List - Edit List (AMZUE3) is printed.

### Function keys

F17 Update Library List applies the library list changes you made. You must press ENTER before using this function key.

F18 Refresh removes the changes you typed in this session or since you last used F17 in this session.

F24 Cancel the Job returns you to the Environment Support menu (AMZMXC). The library list is not changed.

### Fields

**EXECUTING ENVIRONMENT.** The designator and description for the environment in which you are currently executing.

**ENVIRONMENT TO BE MAINTAINED.** The environment designator and description for the library list that you are maintaining.



**POS.** Current position of the library in the list.

**NEW.** Type a number to indicate the new position for the library in the library list. Use this function to move the libraries so you can insert your own libraries in the library list.

To remove a library from the list, type **D** in this field. You can remove libraries previously added to the list. You cannot remove the three designated libraries, QTEMP, or QGPL.

**LIBRARY.** Type the name of the library you want to add to the library list in the next blank field in the list. Do not use a library name in the list of designated libraries on the display.

**DESIGNATED LIBRARIES.** The application libraries for the environment you are maintaining. You can change the names of the designated libraries, except for AMALIBx. To change the names, type the new name over the existing name.

**Note:** Do not duplicate an existing library name.

## Maintain Library List - Edit List (AMZUE3)

---

```

*****
                                MAINTAIN LIBRARY LIST - EDIT LIST      DATE **/**/**  TIME **.*.***  PAGE 1 AMZUE3

RUN OPTIONS:
  EXECUTING ENVIRONMENT          UU  IDF SERVER DEVELOPMENT ENVIRONMENT
  ENVIRONMENT TO BE MAINTAINED  UU  IDF SERVER DEVELOPMENT ENVIRONMENT

BEFORE:

-----ENVIRONMENT-----
CODE  DESCRIPTION
UU    IDF SERVER DEVELOPMENT ENVIRONMENT

-----LIBRARY LIST-----
POS   LIBRARY      POS   LIBRARY
01    QTEMP        14
02    AMALIBU      15
03    AMFLIBU      16
04    QGPL         17
05
06
07
08
09
10
11
12

DESIGNATED LIBRARIES
PROGRAMS          AMALIBU
IDF FILES         AMFLIBU
ONLINE BACKUP    AMSLIBU

AFTER:

-----ENVIRONMENT-----
CODE  DESCRIPTION
UU    IDF SERVER DEVELOPMENT ENVIRONMENT

-----LIBRARY LIST-----
POS   LIBRARY      POS   LIBRARY
01    QTEMP        14
02    PSI05173     15
03    AMALIBU      16
04    AMFLIBU      17
05    QGPL         18
06
07
08
09
10
11
12

DESIGNATED LIBRARIES
PROGRAMS          AMALIBU
IDF FILES         AMFLIBU
ONLINE BACKUP    AMSLIBU

```

---

Use this report to review updates to the library list and the designated libraries for a new environment.

This report is printed using option 1, Maintain Library List, on the Environment Support menu (AMZMXC).

## Fields

**EXECUTING ENVIRONMENT.** The environment designator and description of the environment in which you executed the Maintain Library List option.

**ENVIRONMENT TO BE MAINTAINED.** The environment designator and description of the environment for which the library list was maintained.

**BEFORE LIBRARY LIST.** The default library list before it was maintained.

**BEFORE DESIGNATED LIBRARIES.** The application libraries for the environment before it was maintained.

**AFTER LIBRARY LIST.** The default library list after it was maintained. In this example, a new library, PSI85173 was added to the default library list.

**AFTER DESIGNATED LIBRARIES.** The application libraries for the environment after it was maintained.

---

## Option 2. Add Routing Entry for Environment

Use this option to add a routing entry to the QBATCH subsystem for one or more environments for processing, so unattached jobs can be run.

You must have \*ALLOBJ (all object) authority in your System i user profile.

When you select this option, the Add Routing Entry for Environment display (AMZEESW1) opens.

### AMZEESW1—Add Routing Entry for Environment (Select)

Use this display to select an environment for which you want to add a routing entry.

```
AMZEESW1          Add Routing Entry for Environment          Select
Position to environment. .  ==
Type option; press Enter.
  7=Add routing entry
Opt  Envir  Description
--   ##    IDF Test - Jim Green
--   UU    IDF Server Development Environment

Bottom

Roll up/down  F3=Exit  F5=Refresh  F11=Job status  F22=Messages
```

### What to do

Type **7** in the option field next to the environments for which you want to add the routing entry and press **Enter**.

When you have selected the environments for which you want to add a routing entry, a pop-up window opens for each selected environment informing you that the routing entry has been added for that environment. No action is required on your part. When all environments have been processed, panel AMZEESW1 opens again.

### Function keys

Roll up/down: Use the roll keys to scroll up and down through the list of environments on the display.

F3=Exit returns you to the Environment Support menu (AMZMXC).

F5=Refresh resets the panel with the environment list and ignores any selections you made.

F11=Job status causes a window to open that displays the job status.

F22=Messages displays the job message queue.

---

## Option 3. Display Environments

Use this option to review a list of environment designators and descriptions for all of your environments and to review a list of the libraries within a specified environment.

When you select this option, the Display Environments display (PSZUF1) opens.

## PSZUF1—Display Environments (Select)

Use this display to select an environment for which you want to review library list information.

```
Date 5/29/08                Display Environments      SELECT  PSZUF1  UU
                               Executing Environment  UU  IDF Server Development Environment

Environment
Designator      Description
  ##              IDF JGREEN
  UU              IDF Server Development Environment

Enter Environment Designator for Library List  _

                               Use ROLL UP/DOWN
                               F24 End of Job
```

### What to do

Type the information requested and press **Enter**. The Display Environments Library List Display (PSZUF2) opens.

### Function keys

USE ROLL UP/DOWN: Use the roll keys to scroll up and down through the list of environments on the display.

F24 End of Job returns you to the Environment Support menu (AMZMXC).

### Fields

**EXECUTING ENVIRONMENT.** The designator and description for the environment in which you are currently executing.

**ENVIRONMENT DESIGNATOR.** A list of environment designators for the environments on your system.

**DESCRIPTION.** A list of descriptions for the environments on your system.

**ENTER ENVIRONMENT DESIGNATOR FOR LIBRARY LIST.** Type the environment designator for the environment for which you want to review library information.

## PSZUF2—Display Environments—Library List (Review)

Use this display to review library list information for an environment. This display opens when you press **Enter** on the Display Environments (Select) display (PSZUF1).

Date	5/27/08	Display Environments	REVIEW	PSZUF2	UU
		Library List Display			
	Executing Environment	UU	IDF Server Development	Environment	
	Environment Displayed	UU	IDF Server Development	Environment	
-----Environment Library List-----					
<u>Pos</u>	<u>Library</u>	<u>Pos</u>	<u>Library</u>	<u>Designated Libraries</u>	
01	QTEMP			Programs	AMALIBU
02	TEMPUU			IDF Files	AMFLIBU
03	TRNMST_DDM			Online Backup	AMSLIBU
04	XAR7				
07	AMALIBU				
08	AMFLIBU				
09	AMTLIBU				
10	QGPL				
11	QGLOLD				

### What to do

Review the information on the display and press **Enter**. Display PSZUF1 opens again.

### Function keys

None.

### Fields

**EXECUTING ENVIRONMENT.** The environment designator and description are shown for the environment in which you are currently executing.

**ENVIRONMENT DISPLAYED.** The environment designator and description for the environment you selected on Display Environments (PSZUF1).

**POS.** The position for the corresponding library in the default library list used by this environment when functions are executed.

**LIBRARY.** The default library list for the environment.

**DESIGNATED LIBRARIES.** The application libraries for the environment you are displaying.

## Option 4. List Environments

Use this option to print a list of your environments and libraries.

When you select this option, the List Environments Report (AMZUI1) is scheduled for printing and the Environment Support menu (AMZMXC) opens again.

### List Environments (AMZUI1)

*****		LIST ENVIRONMENTS		DATE **/**/**	TIME **.**.**. .	PAGE	1 AMZUI1
-----ENVIRONMENT-----		-----LIBRARY LIST-----					
CODE	DESCRIPTION	POS	LIBRARY	POS	LIBRARY	DESIGNATED LIBRARIES	
UU	IDF SERVER DEVELOPMENT ENVIRONMENT	01		14		PROGRAMS	AMALIBU
		02		15		IDF FILES	AMFLIBU
		03		16		ONLINE BACKUP	AMSLIBU
		04		17			
		05	QTEMP	18			
		06	AMALIBU	19			
		07	AMFLIBU	20			
		08	QGPL	21			
		09		22			
		10		23			
		11		24			
		12		25			
BB	DOMESTIC DIVISION II	01		14		PROGRAMS	AMALIBB
		02		15		IDF FILES	AMFLIBB
		03		16		ONLINE BACKUP	AMSLIBB
		04		17			
		05	QTEMP	18			
		06	AMALIBB	19			
		07	AMFLIBB	20			
		08	QGPL	21			
		09		22			
		10		23			
		11		24			
		12		25			
ST	STANDARD ENVIRONMENT	01		14		PROGRAMS	AMALIBS
		02		15		IDF FILES	AMFLIBT
		03		16		ONLINE BACKUP	AMSLIBT
		04		17			
		05	QTEMP	18			
		06	AMALIBS	19			
		07	AMFLIBT	20			
		08	QGPL	21			
		09		22			
		10		23			
		11		24			
		12		25			

Use this report to review the library list and designated libraries for all environments on your system.

This report is printed using option 4, List Environments, on the Environment Support menu (AMZMXC).

#### Fields

**ENVIRONMENT CODE/DESCRIPTION.** Environment designator and description.

**LIBRARY LIST.** The default library list for the environment shown.

**DESIGNATED LIBRARIES.** The application libraries for the environment shown.

---

## Option 5. Delete Environment

Use this option to delete an environment from your system.

You must have \*ALLOBJ (all object) authority in your System i user profile. Choosing this option places the environment to be deleted in dedicated mode.

**Note:** If the environment you select for deletion is part of an environment structure where several data bases share a single program library, then the program libraries are not deleted. For example, if you have the AB and AC environments on your system, and you select the AC environment for deletion, the program library AMALIBA is not deleted from your system because it is still part of the AB environment.

When you select this option, the Delete Environment display (PSZUD1) opens.

### PSZUD1—Delete Environment (Select)

Use this display to delete an environment.

Date	6/09/08	Delete Environment	SELECT	PSZUD1	UU
Executing Environment	UU	IDF Server Development Environment			
Environment to be deleted	_				
Submit to Batch (Y,N)	N				

F04 Display Library List  
F20 Delete Environment  
F24 Cancel the Job

### What to do

Type the information requested and press **Enter**. This display opens again in ACCEPT mode so you can confirm your selections. You can change the description of the environment to be deleted. Use **F20** to delete the environment. The Delete Environment - Edit List (AMZUD3) is printed and the Environment Support menu (AMZMXC) opens.

## Function keys

F04 Display Library List causes PSZUD2 to appear showing the library list for the environment to be deleted.

F20 Delete Environment causes all objects associated with the environment to be deleted from the system.

F24 Cancel the Job returns you to the Environment Support menu (AMZMXC). The environment is not deleted.

## Fields

**EXECUTING ENVIRONMENT.** The designator and description for the environment in which you are currently executing.

**ENVIRONMENT TO BE DELETED.** Type the environment designator for the environment to be deleted. The first character of the designator is the program library suffix; the second character is the file and non-resident library suffix. When you press **Enter**, the description of the environment you selected appears.

**Note:** If this environment shares a program library with another environment, the program library is not deleted.

**SUBMIT TO BATCH (Y,N).** Type **Y** (yes) to submit the job for batch processing. Type **N** (no) to process the job online. If you are deleting the executing environment, this field always defaults to **Y** (yes).

## PSZUD2—Delete Environment—Library List Display (Review)

Use this display to review library list information for the environment to be deleted. This display opens when you use **F04 Display Library List** on the Delete Environment (Display) display (PSZUD1).



_Date 6/09/08		Delete Environment		REVIEW	PSZUD2 UU
Executing Environment		Library List Display		UU	IDF Server Development Environment
Environment to be deleted		GG Test Environment			
-----Environment Library List-----				Designated Libraries	
Pos	Library	Pos	Library		
01	QTEMP	14		Programs	AMALIBG
02	AMALIBG	15		IDF Files	AMFLIBG
03	AMFLIBG	16		Online Backup	AMSLIBG
04	QGPL	17			
05		18			
06		19			
07		20			
08		21			
09		22			
10		23			
11		24			
12		25			
13					

## What to do

Review the information on the display and press **Enter**. Display PSZUD1 opens again.

## Function keys

None.

## Fields

**EXECUTING ENVIRONMENT.** The environment designator and description for the environment in which you are currently executing.

**ENVIRONMENT TO BE DELETED.** The environment designator and description for the environment that you are deleting.

**POS.** The position for the corresponding library in the default library list used by this environment when functions are executed.

**LIBRARY.** The default library list for the environment.

**DESIGNATED LIBRARIES.** The application libraries for the environment you are maintaining.

## Delete Environment - Edit List (AMZUD3)

```

*****
                                DELETE ENVIRONMENT - EDIT LIST      DATE **/**/**  TIME **.**.**.  PAGE   1  AMZUD3

RUN OPTIONS:
EXECUTING ENVIRONMENT          UU   IDF SERVER DEVELOPMENT ENVIRONMENT
ENVIRONMENT TO BE DELETED     GG   TEST ENVIRONMENT

-----ENVIRONMENT DELETED-----
CODE  DESCRIPTION
GG    TEST ENVIRONMENT

-----LIBRARY LIST-----
POS   LIBRARY      POS   LIBRARY
01    QTEMP       14    LIBRARY
02    AMALIBG     15
03    AMFLIBG     16
04    QGPL        17
05
06
07
08
09
10
11
12

DESIGNATED LIBRARIES
PROGRAMS          AMALIBG
IDF FILES         AMFLIBG
ONLINE BACKUP    AMSLIBG

```

Use this report to review the library list and the designated libraries for environment that has been deleted.

This report is printed using option 5, Delete Environment, on the Environment Support menu (AMZMXC).

### Fields

**EXECUTING ENVIRONMENT.** The environment designator and description of the environment in which you executed the Delete Environment option.

**ENVIRONMENT TO BE DELETED.** The environment designator and description of the deleted environment.

**ENVIRONMENT DELETED.** The environment designator and description of the deleted environment.

**LIBRARY LIST.** The default library list for the deleted environment.

**DESIGNATED LIBRARIES.** The application libraries for the environment that was deleted.

## Appendix A. Security tasks

The options on the Security Maintenance menu (AMZMXA) allow you to protect application tasks from unauthorized users. You can define security areas and then define specific tasks associated with each area.

Security areas protect access to a group of menu options. The following table shows the application security areas and their associated menu options and task IDs. To print a report of all application areas, see the description of the Generate reports option in Chapter 5, "Security Maintenance."

### Infor Development Framework GRP tasks

Table 0-1. IDF security tasks

Security task	Menu/option	Description
Security Maintenance	AMZMXA/1	Area and Task Authorizations
	AMZMXA/2	User Authorizations
	AMZMXA/3	Generate Reports
	AMZMXA/4	Work with User Profiles
	AMZMXA/5	Work with Client Data Connection User Profiles
Inquiry	AMZM00/1	Application Status Inquiry
	AMZM00/2	PTF Status Inquiry
Reports	AMZM00/3	Application Log Report
	AMZM00/4	File Status Report
General Maintenance/ Change	AMZMXC/All	Environment Support menu
	AMZM00/5	Job Status Maintenance
	AMZM00/6	Unattached Job Status Maintenance
Application Maintenance	AMZMXB/1	Apply ECS PTF to Test Library
	AMZMXB/2	Apply Tested Changes
Reorganize Files	AMZM00/9	Reorganize Files
Back Up Libraries	AMZM00/7	Back Up IDF Files
	AMZM00/8	Back Up IDF Programs
Tools Maintenance	AMZMXA/6	Synchronize Security Files
Environment and Command Line Access		Access to all commands (IDF and System i) Access to all IDF commands Access to this environment

---

## Security Maintenance lockout

If you are locked out of Security Maintenance, sign on as QSECOFR and do the following:

1. On the System i command line, type: LOREM not found

```
upddta amflib/mzbrres0
```

and press **Enter**.

2. Type (capitalized as shown):

```
Userid . . . . . : QSECOFR
Task ID . . . . . : AMZ SEC
Sub task ID . . . . . : 01
```

and press **Enter**.

3. If the record is found, change the data to match the following. If the record is not found, press **F10** to add the record and type:

```
Userid . . . . . : QSECOFR
Task ID . . . . . : AMZ SEC
Sub task ID . . . . . : 01
Validation stamp . . . . : PP
Create date . . . . . : 911911
Create time . . . . . : 3333
Created by user . . . . : QSECOFR
Created by program . . . : DFU
```

and press **Enter**.

4. Press **F3** to exit. QSECOFR can now do security maintenance.

5. Run Security Maintenance option 1, Area and Task authorizations.

- a. Select the IDF application.

- b. Use 2=Change for the Cross Application Support security area

On the Security Maintenance task, set the lock status. If it is already correct, reverse the setting and then reset it (to guarantee that the setting is valid).

- c. Use 11=Authorize users to authorize users as needed.

- d. Exit IDF and return to the System i command line to delete the record you manually added or changed.

6. On the System i command line, type:

```
upddta amflib/mzbrres0
```

and press **Enter**.

7. Follow the prior instructions to find the record you added or changed manually.

8. If the field called **Created by program** still shows the value DFU, press **F23** twice to delete the record. If it shows some other value (indicating that the actions you performed in Security Maintenance validated the record), do not delete the record.

---

## Access to an environment lockout

If you are locked out of an environment, sign on as QSECOFR and do the following:

1. On the System i command line, type:

```
upddta amflib/mzbrres0
```

and press **Enter**.

2. Type (capitalized as shown):

```
Userid . . . . . : QSECOFR  
Task ID . . . . . : ACCMAPICS  
Sub task ID . . . . . : blank
```

and press **Enter**.

3. If the record is found, change the data to match the following. If the record is not found, press F10 to add the record and type:

```
Userid . . . . . : QSECOFR  
Task ID . . . . . : ACCMAPICS  
Sub task ID . . . . . : blank  
Validation stamp . . . . : rq  
Create date . . . . . : 0980115  
Create time . . . . . : 102327  
Created by user . . . . : QSECOFR  
Created by program . . . : DFU
```

and press **Enter**.

4. Press **F3** to exit. QSECOFR can now enter the environment.
5. Run Security Maintenance option 1, Area and Task authorizations.
  - a. Select the IDF application.
  - b. Use 2=Change for the Cross Application Support security area  
On the Access to an environment task, set the lock status. If it is already correct, reverse the setting and then reset it (to guarantee that the setting is valid).
  - c. Use 11=Authorize users to authorize users as needed.
  - d. Exit IDF and return to the System i command line to delete the record you manually added or changed.
6. On the System i command line, type:

```
upddta amflib/mzbrres0
```

and press **Enter**.

7. Follow the prior instructions to find the record you added or changed manually.
8. If the field called **Created by program** still shows the value DFU, press **F23** twice to delete the record. If it shows some other value (indicating that the actions you performed in Security Maintenance validated the record), do not delete the record.

---

# Glossary

This glossary defines terms that are important for this application. It does not include all IDF terms nor all terms established for your system. If you do not find the term you are looking for, refer to the Index in this book.

This glossary includes definitions from:

- The American National Dictionary for Information Processing Systems, copyright 1982 by the Computer and Business Equipment Manufacturers Association (CBEMA). Copies may be purchased from the American National Standards Institute, 1430 Broadway, New York, New York 10018. Definitions are identified by symbol (A) after definition.
- The ISO Vocabulary – Information Processing and the ISO Vocabulary – Office Machines, developed by the International Organization for Standardization, Technical Committee 97, Subcommittee 1. Definitions of published sections of the vocabulary are identified by symbol (I) after definition; definitions from draft international standards draft proposals, and working papers in development by the ISO/TC97/SC1 vocabulary subcommittee are identified by symbol (T) after definition, indicating final agreement has not yet been reached among participating members.

**access path.** The means by which OS/400 provides a logical organization to the data in a database file so the data can be processed by a program. The two access paths are arrival sequence and keyed sequence.

**ACS.** Application correction set.

**allocate.** To assign a resource, such as a disk or diskette, to perform a task. Contrast with deallocate.

**alphanumeric.** Consisting of both letters and numbers and usually other characters, such as punctuation marks and mathematical symbols. Synonymous with alphameric.

**AMAPICS profile.** The user profile that has authority for all the IDF applications. The system creates the profile during the initial IDF installation.

**AML tape.** Application modification level tape.

**APAR.** Authorized program analysis report.

**application correction set (ACS).** The program temporary fixes (PTFs) as well as the programs necessary to apply the fixes that are contained on a maintenance tape.

**application maintenance.** The process of updating IDF application programs due to changes required by data processing operations or due to changes from Infor.

**application modification level (AML) tape.** One of two types of maintenance tapes. The AML tape is automatically sent to a customer with accompanying documentation.

**audit.** (1) A formal or official examination and verification of an account book. (2) The final report of an examination of books of account by auditors. (3) To review and

examine the activities of a data processing system mainly to test the adequacy and effectiveness of procedures for data security and data integrity.

**audit trail.** Data, in the form of a logical path linking a sequence of events, used for tracing the transactions that have affected the contents of a record. (2) Information that allows you to trace the history of an account, item record, order, and so forth. The more recent information may be stored online so you can retrieve it.

**Authorized Program Analysis Report (APAR).** A request for correction of a problem caused by a defect in a current release of a program.

**back up.** To transfer specific objects or libraries from internal storage to magnetic media, such as tapes, or to fixed disk, by duplication.

**backup copy.** A copy of a file or library that is kept for reference in case the original file or library is destroyed.

**batch.** An accumulation of data to be processed, as in a batch of transactions.

**batch job.** A job in which the processing functions are submitted as a predefined series of actions to be performed without continuous operator attention. See batch subsystem. Contrast with interactive job.

**batch number.** A number printed on a document to delineate a group of transactions.

**batch subsystem (QBATCH).** A subsystem in which batch jobs are processed. The System i system supplies one batch subsystem: QBATCH.

**batch update.** The process of updating master files using a group of transactions that are being held in a transaction file. Contrast with immediate update.

**byte.** A binary character operated on as a unit and usually shorter than a computer word. (A)

**call.** To indicate that a program or procedure is to begin execution. The call specifies the program or procedure name and required parameters.

**character.** A member of a set of elements that is used for the representation, organization, or control of data. Characters may be letters, digits, punctuation marks, or other symbols. (T)

**CL.** See control language.

**command.** A statement used to request a function of the system. A command consists of the command name, which identifies the requested function, and parameters.

**configuration.** The group of machines, devices, and programs that make up a data processing system. See system configuration.

**control language.** A programming language that identifies processing requirements to OS/400.

**controlling subsystem (QCTL).** An interactive subsystem that is started automatically when the system is started, and through which the system operator controls the system. The System i system supplies one controlling subsystem: QCTL.

**cursor.** A movable character (underscore) on a display screen that indicates where the next character typed by the operator will appear.

**data.** A representation of facts, concepts, or instructions in a formalized manner suitable for communication, interpretation, or processing by human or automatic means. (I) (A)

**data area.** An object that is used to communicate data, such as CL variable values, between the programs within a job and between jobs. The system-recognized identifier is \*DTAARA.

**database.** A collection of stored data.

**database file.** An organized collection of related records in the database. See physical file and logical file.

**data description specifications (DDS).** A description of the user's database or device files, that is entered using a fixed-form syntax. The description is then used to create files.

**data file.** The major unit of data storage, consisting of one or more file members. Each member contains a collection of related data records stored in a user-specified format.

**DDS.** Data description specifications.

**deallocate.** To release a resource that is assigned to a specific task. Contrast with allocate.

**dedicated mode.** A mode of operation that requires that no other batch or interactive jobs are running. Some IDF functions must be executed in dedicated mode.

**default.** An alternative attribute, option, or value that is assumed when none has been specified.

**device file.** An object that describes the data processed on an external input or output device attached to the system, such as a work station, a printer, or a magnetic tape drive.

**disk.** A round flat plate coated with a magnetic substance on which data for a computer is stored.

**diskette.** A small, flexible, magnetic disk permanently enclosed in a protective jacket. Diskettes are a removable medium used to store information until it is required for processing.

**display.** A visual presentation of data. (I) (A)



**edit.** To verify the form or format of data; for example, to test a data field such as customer number.

**electronic data interchange (EDI).** A technique for exchanging business documents electronically, rather than by printed paper copies.

**enter.** To send coding, data, or a message to a computer from a keyboard.

**entry.** (1) An element of information in a table, list, queue, or other organized structure of data or control information. (2) A single input operation on a terminal.

**error message.** An indication that an error has been detected. (A) The error must be corrected before you continue. Contrast with informational message and warning message.

**execute.** To cause an instruction, program, procedure, or other machine function to be performed.

**field.** In a form, display, or record, a specified area used for a particular category of data. For example, the area on a display that is regularly used to show an item number.

**file.** An organized collection of related records treated as a unit.

**file maintenance.** The online process of updating application master files.

**function key.** One of the keys of the display station keyboard to request specific functions from the system or application program.

**hexadecimal.** Pertaining to a numbering system with a base of 16; valid numbers use the digits 0 through 9 and characters A through F, where A represents 10 and F represents 15.

**ID.** Identifier.

**immediate update.** The process of updating master files where individual transactions are applied to the file as soon as they are entered. Contrast with batch update.

**informational message.** A message that is not the result of an error condition. Normally, an informational message gives the status of a job or operation. Contrast with error message and warning message.

**inquiry.** A request for information stored in, or calculated from, one or more data files.

**interactive job.** A job in which the processing actions are performed in response to input provided by a work station or system operator. During the job, a dialog exists between the operator and the system. Contrast with batch job.

**interactive subsystem (QINTER).** A subsystem in which interactive jobs are to be processed. The System i system supplies three interactive subsystems: QCTL, QINTER, and QPGMP (programmer subsystem).

**interface.** The facility to allow applications to pass or share information.

**job.** A single identifiable sequence of processing actions that represents a single use of the system. A job is the basic unit of work that is identified to the system.

**job queue.** A waiting list of the jobs that have been defined for the computing system.

**library.** An object that is a directory to other objects. A library is used to group related objects and to find objects by name when they are used. Libraries can contain data files, source files, and program objects; the files can also contain members.

**library list (\*LIBL).** An ordered list of library names used to find an object. The library list indicates which libraries are to be searched and the order in which they are to be searched. \*LIBL specifies to the system that a job's current library list is to be used to find the object.

**load.** To enter data or programs into storage; for example, to load a master file.

**logical file.** A database file through which data that is stored in one or more physical files can be accessed. The data is accessed by means of record formats and/or access paths that are different from the physical representation of the data in the database.

**maintenance tape.** A tape containing application correction sets used for updating a program. There are two kinds of maintenance tapes: a program corrective maintenance tape (PCM) and an application modification level tape (AML).

**master file.** A file that is used as an authority in a given job and that is relatively permanent, even though its contents may change. (I) (A)

**member.** An identifiable group of records that is a subset of the database file to which it belongs. Each member conforms to the characteristics of the file and has its own access path.

**menu.** A displayed list of items from which the operator makes a selection.

**message identifier.** The leading part of a message that contains information such as its source and an identification number.

**message queue.** An object on which messages are placed when they are sent to the person or program. The system-recognized identifier is \*MSGQ.

**numeric.** Pertaining to the digits 0 through 9.

**object.** A named unit that consists of a set of descriptive characteristics (that describe the object) and data. An object is anything that exists and occupies space in storage, and on which operations can be performed. Some examples of objects are programs, files, and libraries.

**offline.** Pertaining to equipment or devices not under control of the processing unit.

**offline data entry.** A form of data entry in which data is read into the computing system from offline files.

**online.** Pertaining to equipment or devices under direct control of the processing unit.

**OS/400.** The operating system for the System i system.

**paging.** Displaying the records in a file in sequence on a work station. Using this facility, an operator can read through an entire file rather than seeing one record, as when using inquiry.

**parameter.** (1) A variable that is assigned a particular value for a specific purpose or process. (2) A value that is specified in a command. (3) Data passed to or received from another program or procedure.

**password.** An alphanumeric security code that allows access to a set of computer operations or data. See System i password.

**PCM tape.** Program corrective maintenance tape.

**physical file.** A database file that contains data records. All the records have the same format; that is, they are all fixed-length records and they all contain the same fields in the same order.

**procedure.** One or more CL programs that cause a specific function or set of functions to be performed.

**processing unit.** The part of a computer system that operates on data.

**program.** An object that contains a set of instructions that tells a computer where to get input data, how to process it, and where to put the results. A program is created as a result of a compilation.

**program corrective maintenance.** The process of updating programs by loading either a program corrective maintenance tape (PCM) or an application modification level (AML) tape and applying the application correction sets (ACSs) that are on the tape.

**program corrective maintenance (PCM) tape.** One of two types of maintenance tapes. The PCM tape is sent to the customer upon request.

**program-described file.** A file in which record fields are described in the program that processes the file.

**program temporary fix (PTF).** A temporary solution or bypass of a problem as the result of a defect in a current release of a program. See Authorized Program Analysis report (APAR).

**prompt.** A symbol or message to an operator requesting information or describing an action that is needed to continue processing.

**PTF.** Program temporary fix.

**QBATCH.** See batch subsystem.

**QCTL.** See controlling subsystem.

**QGPL library.** The library provided by OS/400 is called QGPL and contains user-oriented, IBM-supplied objects and user-created objects that are not explicitly placed in a different library when they are created.

**session.** The period of time during which a user of a terminal can communicate with an interactive system, usually, elapsed time between logon and logoff. See job.

**SYSCTL file.** System control file.

**system configuration.** A process that specifies the devices and programs that form a particular data processing system.

**system control file (SYSCTL).** A program-described file containing the installation and application tailoring choices for all applications.

**System i password.** The unique string of characters known to the System i system and to a user, who must specify it to gain access to the System i system. Synonymous with System i user password.

**System i user profile.** A user description known to the System i system. It contains a user profile name and a user password.

**System i user profile name.** A string of characters assigned to a user profile on the System i system. It is the name by which you want the system to know the user. Synonymous with user name.

**system library.** A collection of data sets of files in which the parts of an operating system are stored.

**user password.** A string of characters known to a system and a user to allow access to a system. See System i password.

**user profile.** See AMAPICS user profile and System i user profile.

**user profile name.** See System i user profile name.

**workstation.** An input/output device that contains a display on which data is shown and an attached keyboard through which data is entered.

**warning message.** An indication that an error has been detected (A). You do not have to correct the error before you continue. Contrast with informational message and error message.

## **Index**

### **A**

- application log report 2-4
  - security tasks A-1
- Application Maintenance menu options
  - Option 1, Apply ECS PTF To Test Library 6-1
  - Option 2, Apply Tested Changes 6-3
- application security 5-2
- application status inquiry 2-2
  - security tasks A-1
- apply ECS PTF to test library 6-1
  - security maintenance A-1
- apply tested changes 6-3
  - security tasks A-1
- area and task authorizations 5-4
  - security tasks A-1

### **B**

- back up files 4-2
  - security tasks A-1
- back up programs 4-3
  - security tasks A-1
- Back Up/Reorganize menu options
  - Option 7, Back Up IDF Files 4-2
  - Option 8, Back Up IDF Programs 4-3
  - Option 9, Reorganize IDF Files 4-5

### **C**

- client data connection user profiles, work with 5-15, 5-43
  - security tasks A-1
- commands, security tasks A-1

### **D**

- dedicated mode for IDF menu options 1-4
- displays by ID
  - AMZEESW1–Add Routing Entry for Environment (Select) 7-7
  - AMZPC9A–Permanently Apply Tested Changes 6-3
  - AMZPCEA–Apply ECS PTF To Test Library 6-2
  - AMZS90–Application PTF Status (Select) 2-3, 4-2, 4-3
  - AMZS92–Application PTF Status (Inquiry) 2-4
  - AXZDU1–Unattached Job Status (Update) 3-7
  - AXZDU2–Unattached Job Status (Detail) 3-8
  - AXZSU1–Job Status (Update) 3-1
  - AXZSU2–Job Status (Update) 3-3
  - AXZSU3–Job Status (Detail) 3-5
  - AXZW11–Application Log Listing–(Option) 2-5
  - AXZZ81–Reorganize Master Files (Select) 4-5
  - AXZZ82–Reorganize Master Files (Select) 4-6
  - AXZZ83–Reorganize Master Files (Options) 4-8
  - PSZUD1–Delete Environment (Accept) 7-12
  - PSZUD2–Delete Environment–Library List (Review) 7-13
  - PSZUE1–Maintain Library List (Select) 7-4
  - PSZUE2–Maintain List (Change) 7-5
  - PSZUF1–Display Environments (Select) 7-9

- PSZUF2–Display Environments–Library List (Review) 7-10
- displays by name
  - Add Area 5-17
  - Add Routing Entry for Environment (Select)–AMZEESW1 7-7
  - Add User Profile 5-19
  - Application Log Listing–(Option)–AXZW11 2-5
  - Application PTF Status (Inquiry)–AMZS92 2-4
  - Application PTF Status (Select)–AMZS90 2-3, 4-2, 4-3
  - Apply ECS PTF To Test Library–AMZPCEA 6-2
  - Attach User Group to User 5-21
  - Attach User to User Group 5-20
  - Authorize To Areas 5-22
  - Authorize To Tasks 5-23
  - Authorize Users To Area 5-24
  - Authorize Users to Task 5-25
  - Change User Authority–Areas 5-26
  - Change User Profile 5-27
  - Confirm Delete of User 5-28
  - Confirm Revoke of Authorizations 5-29
  - Delete Environment (Accept)–PSZUD1 7-12
  - Delete Environment –Library List (Review)–PSZUD2 7-13
  - Display Environments (Select)–PSZUF1 7-9
  - Display Environments–Library List (Review)–PSZUF2 7-10
  - Display Tasks 5-30
  - Display User Authority–Areas 5-32
  - Display User Profile 5-31
  - Job Status (Detail)–AXZSU3 3-5
  - Job Status (Update)–AXZSU1 3-1
  - Job Status (Update)–AXZSU2 3-3
  - Maintain Library List (Select)–PSZUE1 7-4
  - Maintain List (Change)–PSZUE2 7-5
  - Maintain Security Areas 5-33
  - Maintain Tasks 5-34
  - Maintain User Security 5-35
  - Permanently Apply Tested Changes–AMZPC9A 6-3
  - Print Options 5-36
  - Reorganize Master Files (Options)–AXZZ83 4-8
  - Reorganize Master Files (Select)–AXZZ81 4-5
  - Reorganize Master Files (Select)–AXZZ82 4-6
  - Select Security Report 5-37
  - Specify Area 5-38
  - Specify Data Tasks 5-39
  - Specify User (for reports) 5-40
  - Specify User (to copy authorizations) 5-41
  - Unattached Job Status (Detail)–AXZDU2 3-8
  - Unattached Job Status (Update)–AXZDU1 3-7
  - Work with Client Data Connection User Profiles 5-43
  - Work with IDF user profiles 5-42

## **E**

- Electronic Customer Support (ECS) 6-1
- environment access, security tasks A-1
- environment support
  - add routing entries in new environments 7-3, 7-7
  - delete environment 7-12
  - designators to identify environments 7-2
  - display environments 7-8

- library lists 7-3
- list environments 7-11
- reports
  - Delete Environment - Edit List-AMZUD3 7-12, 7-15
  - List Environments-AMZUI1 7-11
  - Maintain Library List - Edit List-AMZUE3 7-6
- security tasks A-1
- uses of 7-1
- Environment Support menu options
  - Option 1, Maintain Library List 7-3
  - Option 2, Add Routing Entry for Environment 7-7
  - Option 3, Display Environments 7-8
  - Option 4, List Environments 7-11
  - Option 5, Delete Environment 7-12

## **F**

- file status report 2-7
  - security tasks A-1
- files
  - back up 4-2
  - JOBACT 2-2
  - reorganize 4-5
- reports
  - File Reorganization Audit-AXZZ9 4-8, 4-9
  - File Status Listing-AXZZP 2-7
- synchronize security 5-15

## **G**

- generate reports
  - security maintenance 5-7
  - security tasks A-1

## **I**

- IDF commands, security tasks A-1
- IDF Main Menu options 1-7
  - Option 1, Application Status Inquiry 2-2
  - Option 2, PTF Status Inquiry 2-3
  - Option 3, Application Log Report 2-4
  - Option 4, File Status Report 2-7
  - Option 5, Job Status Maintenance 3-1
  - Option 6, Unattached Job Status Maintenance 3-7
  - Option 7, Back Up Options 4-2
  - Option 8, Back Up IDF Programs 4-3
  - Option 9, Reorganize IDF Files 4-5
  - Option 10, Security Maintenance 5-1
  - Option 11, Application Maintenance 6-1
  - Option 12, Environment Support 7-1
- Infor Development Framework (IDF) 1-1
- Inquiry menu options
  - Option 1, Application Status 2-2
  - Option 2, PTF Status 2-3

## **J**

- job queue
  - holding jobs during dedicated mode 1-5
  - job status maintenance 3-1

job status  
  maintenance 3-1  
  security tasks A-1

## **L**

libraries  
  IDF data libraries 4-2  
  IDF program libraries 4-3  
  suffixes to identify environments 7-2  
library lists  
  in environments 7-3  
  maintaining 7-3  
  standard 1-3  
  test 1-3  
license key 1-6  
license management 1-6  
  registered user 1-6  
  tier user 1-6  
lockout  
  environment access A-3  
  security maintenance A-2

## **M**

Maintenance menu options  
  Option 5, Job Status 3-1  
  Option 6, Unattached Job Status 3-7  
  Option 10, Security Maintenance 5-1

## **P**

program temporary fix (PTF)  
  apply tested changes 6-3  
  apply to test library 6-1  
  status 2-3  
programs  
  back up 4-3  
  IDF program libraries 4-3  
PTF status inquiry 2-3  
  security tasks A-1

## **R**

registered user license 1-6  
reorganize files  
  IDF files 4-5  
  JOBACT file 2-2  
  security tasks A-1  
reports by ID  
  AMZANPFR–Security - Sorted by User, Area 5-7  
  AMZAQPFR–Security - Sorted by User, Area, Task 5-8  
  AMZARPFR–Security - Sorted by User, Task 5-9  
  AMZASPFR–Security - Sorted by Task, User 5-11  
  AMZATPFR–Security - Sorted by Area, Task, User 5-12  
  AMZAUPFR–Security - Sorted by Area, User 5-14  
  AMZUD3–Delete Environment - Edit List 7-12, 7-15  
  AMZUE3–Maintain Library List - Edit List 7-6  
  AMZUI1–List Environments 7-11  
  AMZX6–Application Log 2-4, 2-6



- AXZZ9–File Reorganization Audit 4-8, 4-9
- AXZZP–File Status Listing 2-7
- reports by name
  - Application Log–AMZX6 2-4, 2-6
  - Delete Environment - Edit List–AMZUD3 7-12, 7-15
  - File Reorganization Audit–AXZZ9 4-8, 4-9
  - File Status Listing–AXZZP 2-7
  - List Environments–AMZUI1 7-11
  - Maintain Library List - Edit List–AMZUE3 7-6
  - Security - Sorted by Area, Task, User–AMZATPFR 5-12
  - Security - Sorted by Area, User–AMZAUPFR 5-14
  - Security - Sorted by Task, User–AMZASPFR 5-11
  - Security - Sorted by User, Area, Task–AMZAQPFR 5-8
  - Security - Sorted by User, Area–AMZANPFR 5-7
  - Security - Sorted by User, Task–AMZARPFR 5-9
- Reports menu options
  - Option 3, Application Log 2-4
  - Option 3, Generate reports 5-7
  - Option 4, File Status Report 2-7
- routing entries, adding in new environments 7-3

## S

- security maintenance
  - application security, about 5-2
  - area and task authorizations 5-4
  - client data connection user profiles 5-15
  - generate reports 5-7
  - lockout of environment access A-3
  - lockout of Security Maintenance menu A-2
  - reports
    - Security - Sorted by Area, Task, User–AMZATPFR 5-12
    - Security - Sorted by Area, User–AMZAUPFR 5-14
    - Security - Sorted by Task, User–AMZASPFR 5-11
    - Security - Sorted by User, Area, Task–AMZAQPFR 5-8
    - Security - Sorted by User, Area–AMZANPFR 5-7
    - Security - Sorted by User, Task–AMZARPFR 5-9
  - security tasks A-1
  - steps to
    - add a user 5-5
    - add a user-defined security area 5-4
    - copy authorizations from one user to another 5-6
    - delete a user 5-5
    - lock or unlock a security task 5-4
    - maintain area and task authorizations for a user 5-6
    - maintain user authorizations for areas and tasks 5-4
    - resolve environment lockout A-3
    - resolve security maintenance lockout A-2
    - revoke all authorizations for a user 5-6
  - synchronize security files 5-15
  - user authorizations 5-5
  - user profiles 5-14
  - using the panels 5-16–5-43
- Security Maintenance menu options
  - Option 1, Area and task authorizations 5-4
  - Option 2, User authorizations 5-5
  - Option 3, Generate reports 5-7
  - Option 4, Work with User Profiles 5-14

- Option 5, Work with Client Data Connection User Profiles 5-15
- Option 6, Synchronize Security Files 5-15
- security tasks A-1
  - IDF GRP tasks A-1
    - application log report A-1
    - application status inquiry A-1
    - apply ECS PTF to test library A-1
    - apply tested changes A-1
    - area and task authorizations A-1
    - back up IDF files A-1
    - back up programs A-1
    - client data connection user profiles A-1
    - Environment Support menu A-1
    - file status report A-1
    - generate reports A-1
    - job status maintenance A-1
    - PTF status inquiry A-1
    - reorganize files A-1
    - synchronize security files A-1
    - unattached job status maintenance A-1
    - user authorizations A-1
    - user profiles A-1
  - synchronize security files 5-15
    - security tasks A-1

## **T**

- tier user license 1-6

## **U**

- unattached jobs status maintenance 3-7
  - security tasks A-1
- user authorization to IDF 5-5
  - security tasks A-1
- user profiles, work with 5-14, 5-42
  - security tasks A-1

## **W**

- work with client data connection user profiles 5-15
- work with user profiles 5-14