

# **CA-IDMS<sup>®</sup>**

---

Dictionary Query Facility  
User Guide  
15.0



Computer Associates

This documentation and related computer software program (hereinafter referred to as the "Documentation") is for the end user's informational purposes only and is subject to change or withdrawal by Computer Associates International, Inc. ("CA") at any time.

THIS DOCUMENTATION MAY NOT BE COPIED, TRANSFERRED, REPRODUCED, DISCLOSED, OR DUPLICATED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF CA. THIS DOCUMENTATION IS PROPRIETARY INFORMATION OF CA AND PROTECTED BY THE COPYRIGHT LAWS OF THE UNITED STATES AND INTERNATIONAL TREATIES.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO THE END USER OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED OF SUCH LOSS OR DAMAGE.

THE USE OF ANY PRODUCT REFERENCED IN THIS DOCUMENTATION AND THIS DOCUMENTATION IS GOVERNED BY THE END USER'S APPLICABLE LICENSE AGREEMENT.

The manufacturer of this documentation is Computer Associates International, Inc.

Provided with "Restricted Rights" as set forth in 48 C.F.R. Section 12.212, 48 C.F.R. Sections 52.227-19(c)(1) and (2) or DFARS Section 252.227.7013(c)(1)(ii) or applicable successor provisions.

**First Edition, December 2000**

© 2000 Computer Associates International, Inc.  
One Computer Associates Plaza, Islandia, NY 11749  
All rights reserved.

All trademarks, trade names, service marks, or logos referenced herein belong to their respective companies.

# Contents

---

<b>How to Use This Manual</b> . . . . .	v
<b>Chapter 1. General Information</b> . . . . .	1-1
1.1 About this product . . . . .	1-3
1.2 Locate and Examine Dictionary Contents Easily Online . . . . .	1-4
1.2.1 Find Relationships Between Entities . . . . .	1-4
1.3 A Tool for Every Database User . . . . .	1-5
1.4 Special Features . . . . .	1-7
1.4.1 Comprehensive Menus . . . . .	1-7
1.4.2 Access to More Than One Dictionary . . . . .	1-7
1.4.3 Knowledge of Dictionary Structure Not Required . . . . .	1-7
1.4.4 Access to Any Detail Screen . . . . .	1-8
1.4.5 Access to the Selection List . . . . .	1-8
1.4.6 Session Suspension . . . . .	1-8
1.5 A Typical DQF Query . . . . .	1-10
1.6 How to Use CA-IDMS/DQF . . . . .	1-11
1.7 Screen Access & Information . . . . .	1-12
1.8 Environment . . . . .	1-13
<b>Chapter 2. The CA-IDMS/DQF Session</b> . . . . .	2-1
2.1 Section overview . . . . .	2-3
2.2 Finding Dictionary Information . . . . .	2-4
2.2.1 Accessing Information Screens . . . . .	2-4
2.2.2 PF Keys . . . . .	2-4
2.3 Conceptual View . . . . .	2-5
2.3.1 First Level . . . . .	2-5
2.3.2 Second Level . . . . .	2-5
2.3.3 Third Level . . . . .	2-5
2.4 Special Functions . . . . .	2-7
2.4.1 Automatic Saving of Names and Version Numbers . . . . .	2-7
2.4.2 Deleting Characters in the OPTION Field . . . . .	2-7
2.4.3 Commands . . . . .	2-7
2.4.3.1 BYE . . . . .	2-7
2.4.3.2 RETURN . . . . .	2-7
2.4.3.3 UP and DOWN . . . . .	2-7
2.4.4 PF Keys . . . . .	2-8
2.5 Steps Used to Find Information . . . . .	2-10
2.6 Beginning the CA-IDMS/DQF Session . . . . .	2-12
2.6.1 Accessing the Dictionary Entity Main Menu . . . . .	2-12
2.7 Using the Menus . . . . .	2-14
2.7.1 Accessing Another Dictionary or Node . . . . .	2-14
2.7.2 Requesting a Second Level Menu . . . . .	2-14
2.7.3 Requesting an Information Screen . . . . .	2-15
2.7.4 Using the Selection List . . . . .	2-17
2.7.5 Accessing the General Selection List . . . . .	2-18
2.7.6 Accessing the Refined Selection List . . . . .	2-18
2.7.7 Accessing Basic Information . . . . .	2-19

2.7.8	OPTION Default	2-20
2.7.9	Returning to the Second Level Menu	2-20
2.7.10	Returning to the Dictionary Entity Main Menu	2-20
2.7.11	Typical Sequence of Events, Using Menu Selections	2-21
2.8	Transferring Directly to Any Information Screen (Jumping)	2-22
2.8.1	Combination Code	2-22
2.8.2	Combination Codes Entered on the Dictionary Entity Main Menu	2-23
2.8.3	Typical Sequence of Screens Using Combination Codes	2-23
2.8.4	Returning to a Screen from Which You Transferred	2-24
2.9	Ending a CA-IDMS/DQF Session	2-27
<b>Chapter 3.</b>	<b>Screens</b>	3-1
3.1	Section Overview	3-3
3.1.1	CA-IDMS/DQF Entry Screen	3-3
3.1.2	Dictionary Entity Main Menu	3-4
3.1.3	Dictionary Entity Main Menu Options	3-4
3.1.4	Added Information	3-5
3.2	Typical Screens	3-7
3.2.1	Common Fields	3-7
3.2.2	Second Level Menu Screen	3-7
3.2.3	Basic Information Screen	3-8
3.2.4	Selection List Screen	3-8
3.2.5	Synonym Screen	3-9
3.3	Screen Access	3-10
<b>Chapter 4.</b>	<b>Operations</b>	4-1
4.1	Section overview	4-3
4.2	System Requirements	4-4
4.2.1	Terminal Type	4-4
4.2.2	Subschema	4-4
4.2.3	Security	4-4
4.3	Storage Requirements	4-5
4.3.1	Program Pool	4-5
4.3.2	Session Storage Pool	4-5
4.3.3	Scratch/Queue Area	4-5
4.4	Alternate Dictionary(ies)	4-6
<b>Chapter 5.</b>	<b>Messages</b>	5-1
5.1	CA-IDMS/DQF Messages	5-3
5.1.1	Severity Codes	5-3
5.2	Message Texts	5-4
<b>Glossary</b>		X-1
<b>Index</b>		X-5

# How to Use This Manual

---

## What this manual is about

The *CA-IDMS/Dictionary Query Facility User Guide* is a reference tool that provides complete information on how to use CA-IDMS/Dictionary Query Facility.

# Organization

<b>Chapter/Appendix</b>	<b>Description</b>
1	General Information. Describes the features of CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF).
2	The DQF Session. Provides a step-by-step guide that shows you how to use CA-IDMS/DQF. It guides you through a session, explains PF key functions, and shows several typical sequences of events.
3	Screens. Describes the fields on typical CA-IDMS/DQF screens and contains diagrams showing screen access for all entity types.
4	Operations. Provides information on system requirements and storage requirements.
5	Messages. Lists all messages generated by CA-IDMS/DQF. Also lists the codes for messages, gives reasons for their occurrences, and suggests remedial actions when appropriate.
Glossary	Describes all of the terms used on the CA-IDMS/DQF screens.

## Related Publications

---

Name	Contents
CA-IDMS installation guides	Provide step-by-step instructions for installing, customizing, and maintaining CA-IDMS.

---

# Chapter 1. General Information

---

1.1 About this product . . . . .	1-3
1.2 Locate and Examine Dictionary Contents Easily Online . . . . .	1-4
1.2.1 Find Relationships Between Entities . . . . .	1-4
1.3 A Tool for Every Database User . . . . .	1-5
1.4 Special Features . . . . .	1-7
1.4.1 Comprehensive Menus . . . . .	1-7
1.4.2 Access to More Than One Dictionary . . . . .	1-7
1.4.3 Knowledge of Dictionary Structure Not Required . . . . .	1-7
1.4.4 Access to Any Detail Screen . . . . .	1-8
1.4.5 Access to the Selection List . . . . .	1-8
1.4.6 Session Suspension . . . . .	1-8
1.5 A Typical DQF Query . . . . .	1-10
1.6 How to Use CA-IDMS/DQF . . . . .	1-11
1.7 Screen Access & Information . . . . .	1-12
1.8 Environment . . . . .	1-13



## 1.1 About this product

CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF) gives you quick and easy online access to the contents of CA-IDMS dictionaries. The menu structure of CA-IDMS/DQF allows you to find whatever information you need, without using complicated syntax. Cross-references are listed on the menus, eliminating a need for knowledge of dictionary structure. Instead of returning to menus to locate additional details, you can transfer directly (jump) between screens.

## 1.2 Locate and Examine Dictionary Contents Easily Online

CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF) helps you find detailed information in an Integrated Data Dictionary (IDD) quickly and easily. Information about specific dictionary entities is available online. There is no longer a need to wait for batch reports about the dictionary. Because CA-IDMS/DQF is a query-only product, there is no possibility of unwarranted changes in the dictionary.

Developers, programmers, DBAs, analysts--any authorized users who need dictionary data--can readily examine the contents of each dictionary, without using complicated syntax. Menus guide you rapidly to specific information. Menus allow access to details and cross-references about each entity. Knowledge of dictionary structure is not required.

In addition to making choices from the menus, you can transfer directly to any detail or cross-reference screen. For example, after reviewing the definition of a specific dialog, you can jump directly to details about one of its records.

### 1.2.1 Find Relationships Between Entities

Using cross-references listed on menus, you can examine entity relationships whether or not you know dictionary structure. Thus, from the cross-reference list on the Dialog Menu, cross-reference screens are available, listing the dialog's records, maps, or processes.

## 1.3 A Tool for Every Database User

Everyone who uses the Integrated Data Dictionary can benefit from CA-IDMS/DQF. Exhibit 1.1 illustrates some typical queries. With or without knowledge of IDD syntax or structure, you can find dictionary information easily by using the menus.

**Developers or Programmers** do not need special syntax to locate information. With CA-IDMS/DQF they can:

- Review existing entities before starting a new application
- Compare record definitions while developing an application
- Verify definitions
- Study effects of proposed modifications on other entities
- Determine the far reaching effects of changes in a data element or record
- Standardize applications.

**Database Administrators (DBAs)** can manage dictionaries more efficiently by accessing information online. Many tasks the DBA performs will benefit from easy access to facts from the dictionary. The DBA can use CA-IDMS/DQF to:

- Monitor entities being added to the IDD
- Manage schemas and subschemas
- Ensure that all systems and applications are documented
- Resolve conflicts such as similar names for elements
- Standardize routines.

**System Analysts** can analyze old and new systems faster. Online information from the IDD helps the analyst perform several different tasks:

- Analyze proposed changes to systems
- Determine if existing entities can be used for new systems
- Verify components to be turned over for migration
- Standardize system documentation.

What elements are in the record?

```
RECORD/ELEMENTS
NAME=> Record1 VER=> 1
Level      Length
Name       Start
Picture    S/P/U
Usage
```

What is the definition of ELEMENT1?

```
ELEMENT/BASIC INFO
NAME=> Element1 VER=> 1
Description
Picture
Usage
Date Prepared/Date Revised
```

Do RECORD1 and RECORD2 meet our standards?

```
RECORD/BASIC INFO
NAME=> Record1 VER=> 1
Prefix
Primary Record Length
Description
Date Prepared/Date Revised
```

```
RECORD/BASIC INFO
NAME=> Record2 VER=> 2
Prefix
Primary Record Length
Description
Date Prepared/Date Revised
```

What programs or dialogs use RECORD1?

```
RECORD/DIALOGS
NAME=> Record1 VER=> 1
Dialogs
Name Version Description
```

*Exhibit 1.1: Typical Queries for CA-IDMS/DQF*

## 1.4 Special Features

Several special features make CA-IDMS/DQF exceptionally easy to use.

### 1.4.1 Comprehensive Menus

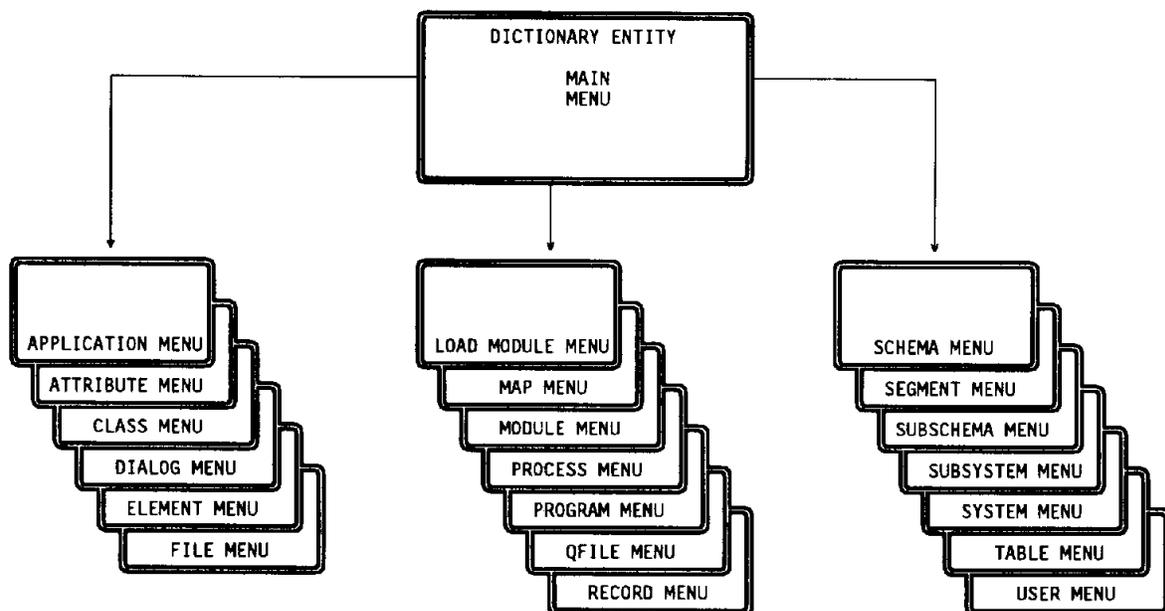
All of the information screens can be accessed with menus. The Dictionary Entity Main Menu lists all of the second level menus. Exhibit 1.2 illustrates the large variety of menus that are available. From a second level menu, you can select detail information about an entity or select cross-reference information for the entity.

### 1.4.2 Access to More Than One Dictionary

A choice of dictionaries and nodes is available on the Dictionary Entity Main Menu of CA-IDMS/DQF. You can examine an entity in one dictionary, return to the Dictionary Entity Main Menu, select another dictionary, and access information about a similar entity in the second dictionary.

### 1.4.3 Knowledge of Dictionary Structure Not Required

Knowledge of the relationships between entities in the dictionary is not necessary. Second level menus list cross-references to related entities. Specifying an entity name and version number and entering a simple code (such as REC for record) from a second level menu takes you to the next screen. For example, REC entered from the Dialog Menu (along with the dialog name and version) calls up a Dialog/Record cross-reference screen.



*Exhibit 1.2: CA-IDMS/DQF Menus*

## 1.4.4 Access to Any Detail Screen

As an alternative to accessing a detail information screen from a menu, you can transfer directly to the detail information screen, without going back to a menu. From each second level menu or detail information screen, it is easy to access any other detail information screen by entering a combination code (code.code) and specifying an entity name and version number. For example, the combine code REC.ELE calls up a Records/Elements cross-reference screen, which lists all the elements that make up the specified record, along with layout information. In the example illustrated in Exhibit 1.3, the user jumped from Dialog/Records to Record/Elements to Element/Basic Information.

## 1.4.5 Access to the Selection List

A selection list, used to find out what entity names are in the dictionary, is available from these second-level menus:

- Dialog
- Map
- Module
- Process
- Program
- QFile
- Record
- Schema
- Subschema
- Table

The selection list is easily accessed by first accessing one of the listed second-level menus. From that menu, you can choose selection list (LST) from the detail options offered. Next, by choosing one of the entity names displayed in the selection list, basic information about that entity is displayed, and information about cross-reference entities (for example, dialogs and records related to that entity) can be quickly accessed.

## 1.4.6 Session Suspension

At the end of a session you may want to retain the current entity names so that later on it is possible to return quickly to the same information. If you leave a CA-IDMS/DQF session by using the END PF key from the Dictionary Entity Main Menu, the scratch records are not deleted and the currency of the entities examined is retained, as long as you stay in CA-IDMS DC. As a result, the most recently accessed entity names do not have to be entered the next time you access CA-IDMS/DQF.

```

DQF Rnn.nn --- DIALOG / RECORDS ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>> DIA.REC                               PAGE    1 OF  1

NAME   ==>> ACDPAY12                               VERSION ==>>  1

RECORD                                VER
ACWK001-DATE-TIME                      0100
ACWK001-MAP0100
ACWK000-PAY-GLOBAL                      0100
ACWK003-PAY-SCRATCH-CONTROL            0100
ACKW002-PAY-WORK                        0100
ADSO-APPLICATION-GLOBAL-RECORD         0001
ADSO-STAT-DEF-RECORD                   0001

PF3= END  PF4= MAIN MENU  PF7= UP  PF8= DOWN

```

```

DQF Rnn.nn --- RECORD / ELEMENTS ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>> REC.ELE                               PAGE    1 OF 13

NAME   ==>> ADSO-APPLICATION-GLOBAL-RECORD         VERSION ==>>  1

LEVEL NAME                                PICTURE      USAGE  LENGTH START S/P/U
01  ADSO-APPLICATION-GLOBAL-RECORD         653
03  AGR-APPLICATION-NAME                   X(8)         DISPLAY  8    1
03  AGR-CURRENT-FUNCTION                   X(8)         DISPLAY  8    9
03  AGR-NEXT-FUNCTION                      X(8)         DISPLAY  8   17
03  AGR-CURRENT-RESPONSE                   X(8)         DISPLAY  8   25
03  AGR-DEFAULT-RESPONSE                   X(8)         DISPLAY  8   33
03  AGR-TASK-CODE                          X(8)         DISPLAY  8   41
03  AGR-EXIT-DIALOG                       X(8)         DISPLAY  8   49
03  AGR-PRINT-DESTINATION                  X(8)         DISPLAY  8   57
03  AGR-DATE                              X(8)         DISPLAY  8   65
03  AGR-USER-ID                           X(32)        DISPLAY 32   73
03  AGR-SECURITY-CODE                     X(32)        DISPLAY 32  105
03  AGR-INSTALLATION-CODE                 X(32)        DISPLAY 32  137
...CONTINUED

PF3= END  PF4= MAIN MENU  PF7= UP  PF8= DOWN

```

```

DQF Rnn.nn --- ELEMENT / BASIC INFO ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>> ele.bas                               PAGE    1 OF  1

NAME   ==>> AGR-TASK-CODE                               VERSION ==>>  1

DESCRIPTION      NAME OF TASK
PICTURE          X(8)
USAGE            DISPLAY
PREPARED         mm/dd/yy   BY SMIJ001
REVISED         mm/dd/yy   BY SMIJ001

PF3= END  PF4= MAIN MENU  PF7= UP  PF8= DOWN

```

*Exhibit 1.3: Jumping Directly from One Information Screen to Another*

## 1.5 A Typical DQF Query

In a CA-IDMS/DQF session you can access any information screen by using the menus or by transferring directly to any detail information screen. Exhibit 1.4 illustrates a typical sequence of events for a user who is new to the facility.

The session begins at the Dictionary Entity Main Menu. From that menu the Record Menu is selected, and then the Record/Element cross-reference screen.

While viewing Record/Element cross-references, the user selects a specific element and transfers directly to basic information about that element.

From the Element/Basic Information screen the user jumps back to the Record/Element information by simply entering a combination code (REC.ELE) for the screen, because CA-IDMS/DQF remembers the current record name and version.

When enough information about specific elements is gathered, the user transfers to the RECORD/DIALOG cross-reference screen, to determine which dialogs use the record.

Pressing a PF key produces the Dictionary Entity Main Menu, showing all of the entities available for further selection.

## **1.6 How to Use CA-IDMS/DQF**

Details of the steps used to access information using CA-IDMS/DQF are described in Chapter 2, “The CA-IDMS/DQF Session” on page 2-1.

## 1.7 Screen Access & Information

An illustration of each screen type is in Chapter 3, "Screens" on page 3-1. Descriptions of all the fields on the CA-IDMS/DQF screens are contained in the "Glossary".

## 1.8 Environment

CA-IDMS/DQF operates under CA-IDMS and CA-ADS. It provides full-screen display on all IBM 3270-type terminals (models 2 through 5).

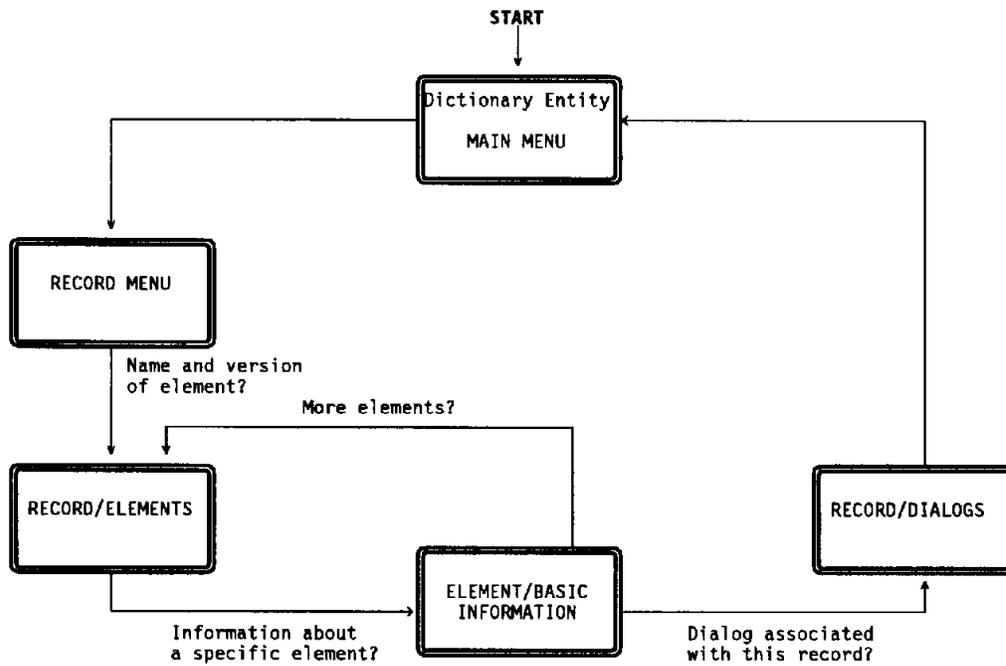


Exhibit 1.4: Sample Path to Find the Answer to a Query



## Chapter 2. The CA-IDMS/DQF Session

---

2.1	Section overview	2-3
2.2	Finding Dictionary Information	2-4
2.2.1	Accessing Information Screens	2-4
2.2.2	PF Keys	2-4
2.3	Conceptual View	2-5
2.3.1	First Level	2-5
2.3.2	Second Level	2-5
2.3.3	Third Level	2-5
2.4	Special Functions	2-7
2.4.1	Automatic Saving of Names and Version Numbers	2-7
2.4.2	Deleting Characters in the OPTION Field	2-7
2.4.3	Commands	2-7
2.4.3.1	BYE	2-7
2.4.3.2	RETURN	2-7
2.4.3.3	UP and DOWN	2-7
2.4.4	PF Keys	2-8
2.5	Steps Used to Find Information	2-10
2.6	Beginning the CA-IDMS/DQF Session	2-12
2.6.1	Accessing the Dictionary Entity Main Menu	2-12
2.7	Using the Menus	2-14
2.7.1	Accessing Another Dictionary or Node	2-14
2.7.2	Requesting a Second Level Menu	2-14
2.7.3	Requesting an Information Screen	2-15
2.7.4	Using the Selection List	2-17
2.7.5	Accessing the General Selection List	2-18
2.7.6	Accessing the Refined Selection List	2-18
2.7.7	Accessing Basic Information	2-19
2.7.8	OPTION Default	2-20
2.7.9	Returning to the Second Level Menu	2-20
2.7.10	Returning to the Dictionary Entity Main Menu	2-20
2.7.11	Typical Sequence of Events, Using Menu Selections	2-21
2.8	Transferring Directly to Any Information Screen (Jumping)	2-22
2.8.1	Combination Code	2-22
2.8.2	Combination Codes Entered on the Dictionary Entity Main Menu	2-23
2.8.3	Typical Sequence of Screens Using Combination Codes	2-23
2.8.4	Returning to a Screen from Which You Transferred	2-24
2.9	Ending a CA-IDMS/DQF Session	2-27



## 2.1 Section overview

This chapter discusses how to use CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF) to find dictionary information and describes a typical CA-IDMS/DQF session.

## 2.2 Finding Dictionary Information

CA-IDMS/DQF provides easy access to detail information and cross-reference information about entities in the dictionary. Because CA-IDMS/DQF is a query-only product, access can be made available to many users without any possibility of unwarranted changes in dictionary entities.

### 2.2.1 Accessing Information Screens

To access information screens (cross-reference or detail), you can select options from second level menus or you can transfer directly.

In a CA-IDMS/DQF session, you can select options from the CA-IDMS/DQF menus and specify entity names and version numbers. All information screens are accessible by selecting options from those listed on the menu.

Another method of accessing information screens is to enter combination codes that allow direct transfer between screens; that is, you can jump directly to any information screen from any other screen by using a combination code (*code.code*).

This chapter includes several typical sequences of screens which illustrate the use of menus and combination codes.

### 2.2.2 PF Keys

The use of Program Function (PF) keys is also described in this chapter. PF keys are set to transfer quickly to higher level screens and to page up and down through a series of screens.

## 2.3 Conceptual View

A conceptual view of CA-IDMS/DQF is shown in Exhibit 2.1. After the CA-IDMS/DQF entry screen, there are three functional levels.

### 2.3.1 First Level

The Dictionary Entity Main Menu appears when you press the ENTER key from the CA-IDMS/DQF entry screen. The Dictionary Entity Main Menu displays a list of dictionary entities. You can proceed to the second level menu from the list, or you can jump to the third (detail) level.

At the first level you can also specify a dictionary name and/or a node name. If these names are not specified, the default dictionary is accessed.

### 2.3.2 Second Level

A second level menu displays a list of detail options and cross-reference options for the entity selected from the Dictionary Entity Main Menu. From a second level menu, you can display the detail information screen or a selection list.

**Direct Transfer**--Alternatively, you can proceed from a second level menu direction to any detail information screen. See 2.8, "Transferring Directly to Any Information Screen (Jumping)" on page 2-22.

### 2.3.3 Third Level

Detail information screens and selection list screens are at the third level. A detail information screen contains either specific data about an entity or cross-reference information relating the entity to other entities in the dictionary. A selection list screen provides a list of the entity occurrences appearing in the dictionary for a given entity.

**Direct Transfer**--From each detail information screen or selection list screen, you can jump to any other detail level screen by using combination codes. See 2.8, "Transferring Directly to Any Information Screen (Jumping)" on page 2-22.

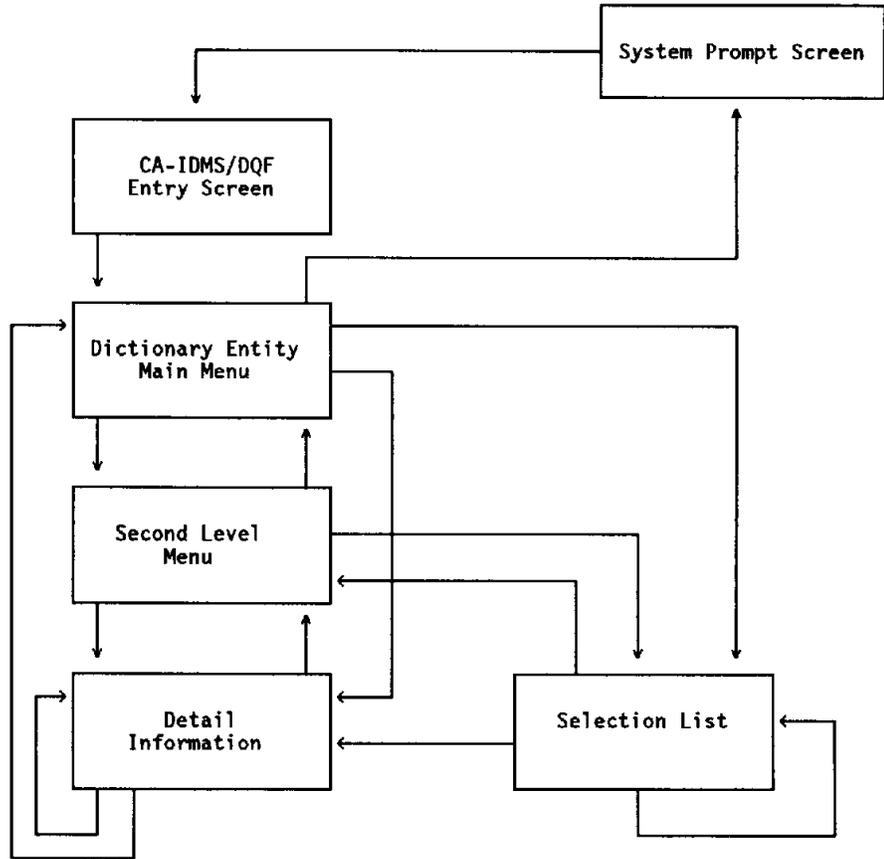


Exhibit 2.1: Conceptual View of CA-IDMS/DQF

## 2.4 Special Functions

CA-IDMS/DQF performs several functions that help you find information quickly. Current names and version numbers are saved automatically. Other functions are activated by entering a command in the OPTION field or by pressing a PF key.

### 2.4.1 Automatic Saving of Names and Version Numbers

CA-IDMS/DQF automatically saves the current name and version number of each entity accessed. Therefore, you can return to the most recently accessed entity of a given type without entering the name and version again. Of course, if you enter a new name and version number along with an option code, information about the newly named entity is displayed.

If you use the END PF key to leave CA-IDMS/DQF from the Dictionary Entity Main Menu, the most recent names and version numbers are retained until you sign off of CA-IDMS DC.

### 2.4.2 Deleting Characters in the OPTION Field

Near the top left of each screen is the OPTION field. You can enter commands or screen codes in the OPTION field. To delete unwanted characters in the OPTION field, use the ERASE END OF FILE (ERASE EOF) key, the DELETE key, or the space bar.

### 2.4.3 Commands

Several commands can be entered in the OPTION field: BYE, RETURN, UP, and DOWN.

#### 2.4.3.1 BYE

The BYE command returns the system to the CA-IDMS DC system prompt.

#### 2.4.3.2 RETURN

The RETURN command takes you to the Dictionary Entity Main Menu from the second or third level.

#### 2.4.3.3 UP and DOWN

On a detail information screen, when the display indicates that it is one of several pages (for example, PAGE 1 of 8), you can use the UP and DOWN commands to view the other pages.

The UP command moves the physical "window" (your terminal screen) one page up toward the first page of the display.

The DOWN command moves the "window" one page toward the last page of the display.

### 2.4.4 PF Keys

Program Function (PF) keys are set to help you move easily to higher level screens or to scroll within a series of screens when there is more than one screen of data.

---

<b>Key</b>	<b>Function</b>	
PF3 or PF15	END	Exit to the next higher level of processing:  Exit to task code from the Dictionary Entity Main Menu.  Exit to the Dictionary Entity Main Menu from a second level menu.  Exit to a second level menu from a detail screen.  Examples:  From Record/Element screen, exit to Record Menu screen.  From Dialog/Map screen, exit to Dialog Menu screen.
PF4 or PF16	RETURN	Return to Dictionary Entity Main Menu from third level (detail or second level (menu)).
PF7 or PF19	UP	Move the "window" one page toward the first page of the current display. CA-IDMS/DQF detail information screens indicated the current page and the number of pages in the series.

---

<b>Key</b>	<b>Function</b>	
PF8 or PF20	DOWN	Move the "window" one page toward the last page of the current display. CA-IDMS/DQF information screens indicate the current page and the number of pages in the series.

*Exhibit 2.2: PF Keys*

## 2.5 Steps Used to Find Information

Exhibit 2.3 lists the steps required to find information in the dictionary. The steps are described in detail in the rest of this chapter.

<b>User Action</b>	<b>System Response</b>	<b>For More Information See--</b>
1. Invoke CA-IDMS DC	System Prompt Screen	Beginning the CA-IDMS/DQF Session
2. Enter the CA-IDMS/DQF Task Code	CA-IDMS/DQF Entry Screen	Beginning the CA-IDMS/DQF Session
3. Press the ENTER Key	Dictionary Entity Main Menu	Beginning the CA-IDMS/DQF Session
4. Request a second level menu.  Enter: 3-letter option code  Optional: dictionary name node name	Second level menu	Using the Menus
5. Request a detail information screen (including the Selection List) using a menu option.  Enter: 3-letter code of detail option or cross-reference option Entity name (if applicable) Entity version number (if applicable)	Entity detail or cross-reference information	Using the Menus
Alternate Steps 4 or 5. Request a detail information screen using a combination code.  Enter: Combination code (code.code) Entity name  Entity version number (if applicable)	Entity detail or cross-reference information	Transferring Directly to Information Screen

---

<b>User Action</b>	<b>System Response</b>	<b>For More Information See--</b>
6. Continue using menus and combination codes until you have completed the session.		Using the Menus or Transferring Directly
7. Exit from CA-IDMS/DQF	System Prompt Screen	Ending the CA-IDMS/DQF Session

*Exhibit 2.3: Steps to Find Information*

## 2.6 Beginning the CA-IDMS/DQF Session

Before starting to use CA-IDMS/DQF, you must invoke the system prompt screen of CA-IDMS DC. If you need information on how to do this, see your system administrator.

Enter the CA-IDMS/DQF task code.

The CA-IDMS/DQF entry screen is displayed.

```
          CCCCCCCC
    CCCCCCCCC
    CCC
    CCC   AAAA
    CCC   AAAAA
    CCC   AAAAAA
    CCC   AAA AAA
    CCC AAA AAA
    CCAAACCCCC
    AAACCCCCCCC
    AAA   AAA
    AAA   AAA
    AA    AAA

          DICTIONARY QUERY FACILITY

          PRESS ENTER TO RECEIVE MAIN MENU

Rnn.nn  COPYRIGHT 1986, 1999   CAI, INC.           ALL RIGHTS RESERVED
```

*Exhibit 2.4: CA-IDMS/DQF Entry Screen*

### 2.6.1 Accessing the Dictionary Entity Main Menu

When the CA-IDMS/DQF entry screen is displayed, press the ENTER key.

The Dictionary Entity Main Menu is displayed.

```
DQF Rnn.nn --- DICTIONARY ENTITY MAIN MENU ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>>

DICTIONARY ==>> SYSDICT                NODE ==>>

MENU
OPTIONS
-----
APP APPLICATION      LOA LOAD MODULE      SCH SCHEMA
ATT ATTRIBUTE        MAP MAP              SEG SEGMENT
CLA CLASS           MOD MODULE           SSC SUBSCHEMA
DIA DIALOG          PRC PROCESS          SUB SUBSYSTEM
ELE ELEMENT         PRO PROGRAM          SYS SYSTEM
FIL FILE            QFI QFILE            TAB TABLE
                   REC RECORD          USE USER

PF3= EXIT DQF
```

*Exhibit 2.5: DICTIONARY ENTITY MAIN MENU Screen*

## 2.7 Using the Menus

You can access all information screens by selecting options listed on the menus and specifying entity names and version numbers when they are required. This section describes how to find information in the dictionary by using selections listed on the menu and how to return to a higher level. The alternate method of accessing information screens is described in 2.8, “Transferring Directly to Any Information Screen (Jumping)” on page 2-22.

### 2.7.1 Accessing Another Dictionary or Node

If you have more than one dictionary, before selecting an option, you can specify the name of a dictionary in the `DICTIONARY` field on the Dictionary Entity Main Menu screen. You can also return to the Dictionary Entity Main Menu from another screen and select another dictionary.

If you are operating in a multiple machine environment, you can also specify the name of a DDS node in the `NODE` field. Be sure that the specified dictionary is in the CV indicated in the `NODE` field.

Default dictionary: The default dictionary is the dictionary set for your logical terminal.

### 2.7.2 Requesting a Second Level Menu

To request a second level menu from the Dictionary Entity Main Menu, type a three-letter code in the `OPTION` field. (Each code is listed on the menu screen to the left of the corresponding option description.)

```
          DICTIONARY ENTITY MAIN MENU
OPTION====>  REC
```

Press the `ENTER` key. CA-IDMS/DQF responds by displaying the Record Menu screen.

```

DQF Rnn.nn --- RECORD MENU ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>>

NAME ==>>                                VERSION ==>> 1

DICTIONARY ==>> ADSDICT                    NODE ==>>

DETAIL                                CROSS-REFERENCE
OPTIONS                                OPTIONS
-----                                -----
BAS BASIC INFO                        DIA DIALOGS                            SSC SUBSCHEMAS
LST SELECTION LIST                    ELE ELEMENTS
SYN SYNONYMS                          FIL FILES
                                        MAP MAPS
                                        PRO PROGRAMS

PF4= MAIN MENU

```

*Exhibit 2.6: Requesting a Second Level Menu*

### 2.7.3 Requesting an Information Screen

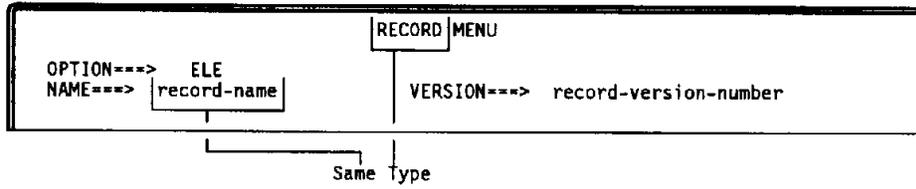
To request a detail or cross-reference information screen from a second level menu, type:

- A three-letter code in the OPTION field (from the codes listed on the second level menu screen);
- The name of an entity in the NAME field if you requested BAS or SYN in the OPTION field; and
- The version number of the entity in the VERSION field (if a version number is applicable).

Press the ENTER key. CA-IDMS/DQF responds by displaying the RECORD/ELEMENTS cross-reference screen.

Exhibit 2.8 shows an alphabetical list of the dictionary entities, with their codes in the left column. The options on each second level menu are also listed under Valid Choices in the exhibit.

## 2.7 Using the Menus



```

DQF Rnn.nn --- RECORD / ELEMENTS ----- CAI, INC. hh:mm mm/dd/yy
OPTION ====> REC.ELE PAGE 1 OF 13

NAME ====> ADSO-APPLICATION-GLOBAL-RECORD VERSION ====> 1

LEVEL NAME PICTURE USAGE LENGTH START S/P/U
01 ADSO-APPLICATION-GLOBAL-RECORD 653
03 AGR-APPLICATION-NAME X(8) DISPLAY 8 1
03 AGR-CURRENT-FUNCTION X(8) DISPLAY 8 9
03 AGR-NEXT-FUNCTION X(8) DISPLAY 8 17
03 AGR-CURRENT-RESPONSE X(8) DISPLAY 8 25
03 AGR-DEFAULT-RESPONSE X(8) DISPLAY 8 33
03 AGR-TASK-CODE X(8) DISPLAY 8 41
03 AGR-EXIT-DIALOG X(8) DISPLAY 8 49
03 AGR-PRINT-DESTINATION X(8) DISPLAY 8 57
03 AGR-DATE X(8) DISPLAY 8 65
03 AGR-USER-ID X(32) DISPLAY 32 73
03 AGR-SECURITY-CODE X(32) DISPLAY 32 105
03 AGR-INSTALLATION-CODE X(32) DISPLAY 32 137
...CONTINUED

PF3= END PF4= MAIN MENU PF7= UP PF8= DOWN
  
```

Exhibit 2.7: Requesting an Information Screen

Main Menu Selection	Entity Description	Detail	Cross-Reference
APP	APPLICATION	BAS	
ATT	ATTRIBUTE	BAS	ELE FIL MOD PRO QFI REC
CLA	CLASS	BAS	
DIA	DIALOG	BAS LST	MAP PRC REC
ELE	ELEMENT	BAS SYN	MAP REC
FIL	FILE	BAS	REC
LOA	LOAD MODULE	BAS	
MAP	MAP	BAS LST	DIA ELE REC TAB
MOD	MODULE	BAS LST	PRO
PRC	PROCESS	BAS LST	DIA
PRO	PROGRAM	BAS LST	FIL MOD PRO REC
QFI	QFILE	BAS LST	
REC	RECORD	BAS LST SYN	DIA ELE FIL MAP PRO SSC
SCH	SCHEMA	BAS LST	ARE REC SET SSC
SEG	SEGMENT	BAS	ARE DIA FIL
SSC	SUBSCHEMA	BAS LST	DIA LRF PRO REC USE
SUB	SUBSYSTEM	BAS	
SYS	SYSTEM	BAS	
TAB	TABLE	BAS LST	
USE	USER	BAS	

Additional Detail and Cross-Reference Option Descriptions:

- ARE AREAS
- ASBASIC INFORMATION Default option from second level menu
- RFLOGICAL RECORDS
- STSELECTION LIST
- ETSETS
- YNSYNONYMS

Commands:

- **BYE** (clears CA-IDMS/DQF scratch records)
- **RETURN**
- **UP**
- **DOWN**

To jump to any information screen, enter: **code.code name version**

*Exhibit 2.8: Option Codes and Valid Combination Choices*

## 2.7.4 Using the Selection List

A selection list (LST) information screen is available from these second level menus:

- Dialog
- Map
- Module
- Process
- Program
- QFile

- Record
- Schema
- Subschema
- Table

## 2.7.5 Accessing the General Selection List

You can access either a general selection list or a refined selection list. The general selection list provides a list of **all** names appearing in the dictionary for the specified entity. The refined version of the selection list provides only the entity names that include certain characters.

To access a general selection list from the second level menus listed above:

1. Type **LST** in the **OPTION** field.
2. Press the **ERASE EOF** key in the **NAME** field to ensure that the **NAME** field is blank.
3. Press the **ENTER** key.

The selection list appears containing a list of **all** names in the dictionary for that entity.

## 2.7.6 Accessing the Refined Selection List

You can access a refined version of the selection list that lists only entity names that include certain characters. In the **NAME** field, you can enter a partial entity name and any or all of the characters used to match alphanumeric characters.

- @ matches any alphabetic character
- # matches any numeric character
- \* matches any character

Any one or all of these characters are used to replace characters in the **NAME** field. For example:

**DQF\*\*\*##** in the **NAME** field indicates that you want a selection list that includes only those entity names beginning with **DQF**, followed by three alphanumeric characters, and with numeric characters in the last two positions.

**@@@\*\*\*##** in the **NAME** field indicates that you want a selection list that includes those entity names beginning with any three alphabetic characters, followed by three alphanumeric characters, and ending with two numeric characters.

Any spaces in the middle of the **NAME** field remain spaces. Spaces at the end of the **NAME** field are filled with asterisks (\*\*). For example:

DQF ##### entered in the NAME field finds those entity names that include the characters DQF in the first three positions, followed by one space, and ending with four numeric characters.

To access the refined selection list:

1. Type **LST** in the OPTION field.
2. Type the characters for a partial name, or include the characters used to match unspecified characters (@, #, or \*) in the NAME field.
3. Press the ENTER key.

The selection list appears containing a list of all names for that entity that match the specified characters.

## 2.7.7 Accessing Basic Information

To access basic information from either the general selection list or the refined selection list:

1. Place the cursor to the left of an entity name.
2. Type any character.
3. Press the ENTER key.

The basic information screen describing the selected entity name appears.

```

DQF Rnn.nn --- SUBSCHEMA SELECTION ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>                                     PAGE 1 OF 2

NAME ==> DQF***##                               VERSION ==>

  NAME      SCHEMA      VER
  DQFSUB00  DQFSCHEM     0001
s DQFSUB01  DQFSCHEM     0001

```

```

DQF Rnn.nn --- SUBSCHEMA / BASIC INFO ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>                                     PAGE 1 OF 1

NAME ==> DQFSUB01                               VERSION ==> 1

SCHEMA      DQFSCHEM     VER      0001
DMCL
LAST COMPILED mm/dd/yy
TIME STAMP    34546789
AUTHORIZATION N
ERROR FLAG   Y
LRF ACCESS FLAG N
SPF FLAG     N

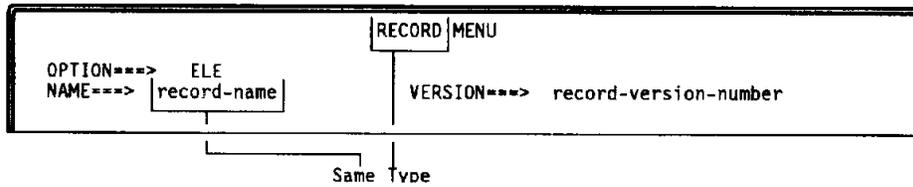
PF3= END   PF4= MAIN MENU   PF7= UP   PF8= DOWN

```

*Exhibit 2.9: Accessing Basic Information Example*

### 2.7.8 OPTION Default

On a second level menu, if you enter only the entity name and version number, and leave the OPTION field blank, the entity Basic Information screen is displayed.



```

DQF Rnn.nn --- RECORD / BASIC INFO ----- CAI, INC. hh:mm mm/dd/yy
OPTION ====>                                     PAGE 1 OF 1

NAME ====> ADSO-APPLICATION-GLOBAL-RECORD          VERSION ====> 1

PREFIX
PRIMARY RECORD      ADSO-APPLICATION-GLOBAL-RECORD  VERSION:0001
DESCRIPTION
RECORD LENGTH      0000000653
PREPARED           03/25/93      BY NORKE02
REVISED           BY
    
```

PF3= END PF4= MAIN MENU PF7= UP PF8= DOWN

*Exhibit 2.10: OPTION Default Example*

### 2.7.9 Returning to the Second Level Menu

To return to a second level menu from an information screen press PF3/15.

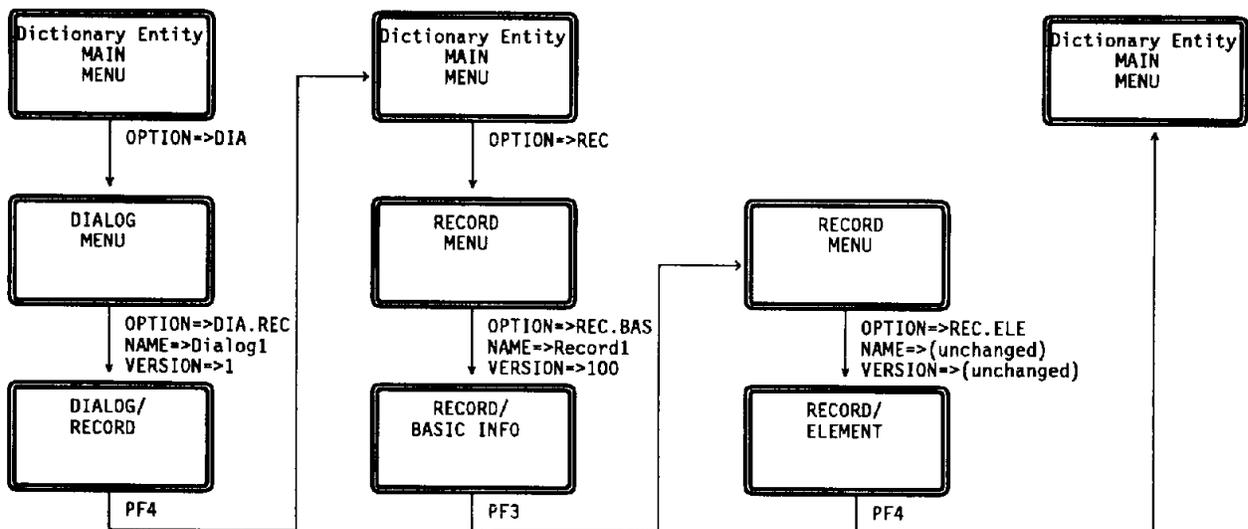
### 2.7.10 Returning to the Dictionary Entity Main Menu

To return to the Dictionary Entity Main Menu press PF4/16.

### 2.7.11 Typical Sequence of Events, Using Menu Selections

A typical sequence of events using menu selections is shown below. The query:

- What is the description of a record in the dialog Dialog1 (version 1) and what are the elements in that record?
- The spelling and the version number of the record are verified by accessing the DIALOG/RECORD cross-reference screen first.



*Exhibit 2.11: Typical Sequence of Events Using Menus*

## 2.8 Transferring Directly to Any Information Screen (Jumping)

To transfer directly to a particular detail information screen without accessing other menus, use combination codes, as described below.

From any second level menu or detail screen, to access another detail screen, type:

- The combination code (defined below) in the OPTION field.
- The entity name in the NAME field. The entity named must be of the **same type** as the first part of the combination code.
- The entity version number in the VERSION field.

Press the ENTER key.

### 2.8.1 Combination Code

The combination code consists of three parts:

- The code of a main menu selection (option-1-code in Exhibit 2.8).
- A period
- The code of a valid combination option (option-2-code in Exhibit 2.8).

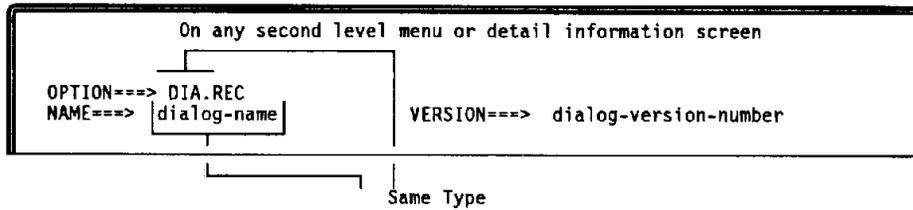
**No spaces** are allowed in a combination code.

Valid choices for combinations are indicated in Exhibit 2.8. Choose either a detail option or a cross-reference option, not both.

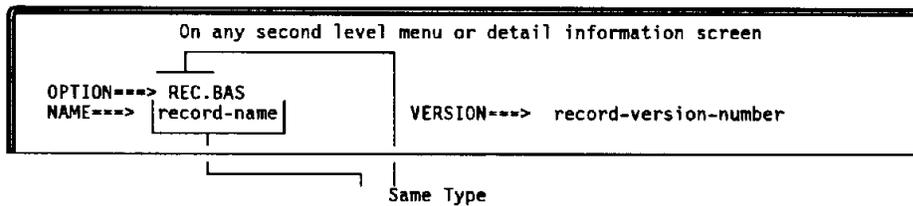
The exhibit below shows the entries for each field required to access a detail information screen directly.

Field	Entry	Example
OPTION	option-1-code.option-2-code	REC.ELE
NAME	option-1-name	ACWK001-DATE-TIME
VERSION	option-1-version-number	100

*Exhibit 2.12: Field Entries for Direct Access*



- Type the indicated information and press the ENTER key.
- CA-IDMS/DQF responds by displaying the DIALOG/RECORDS cross-reference screen for the specified dialog name and version number.



- Type the indicated information and press the ENTER key.
- CA-IDMS/DQF responds by displaying the RECORD/BASIC INFORMATION screen for the specified record.

## 2.8.2 Combination Codes Entered on the Dictionary Entity Main Menu

You can enter a combination code on the Dictionary Entity Main Menu. If there is a current name and version for the selection, the system displays the requested detail information.

If there is no current name and version you can type a name and version at the detail level and press the ENTER key.

## 2.8.3 Typical Sequence of Screens Using Combination Codes

The exhibit below shows a typical sequence of screens accessed by combination codes to answer the same question that was asked for Exhibit 2.10.

The query:

- What is the description of a record in the dialog Dialog1 (version 1) and what are the elements in that record?
- The spelling and the version number of the record are verified by accessing the DIALOG-RECORD cross-reference screen first.

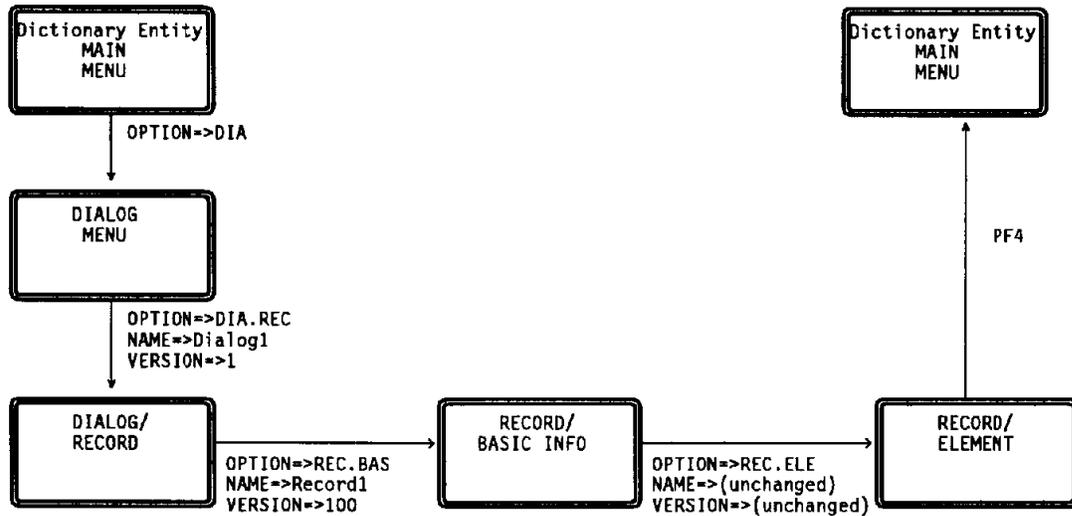


Exhibit 2.13: Typical Sequence of Events Using Combination Codes

### 2.8.4 Returning to a Screen from Which You Transferred

Sometimes you may want to return to a detail information screen that you left by a jump. For instance, you might want to go back to check a version number on the previous screen. But PF3 would take you up a level to a second level menu for the current entity.

The situation is illustrated in Exhibit 2.13. After finding the name of the record on the DIALOG/RECORD cross-reference screen, the user entered REC.BAS and the name, leaving the version number unchanged. The Record/Basic Information screen appeared with a message. The user wanted to return to the DIALOG/RECORD screen to check the spelling of the record name and check the version number, because the system displayed the message:

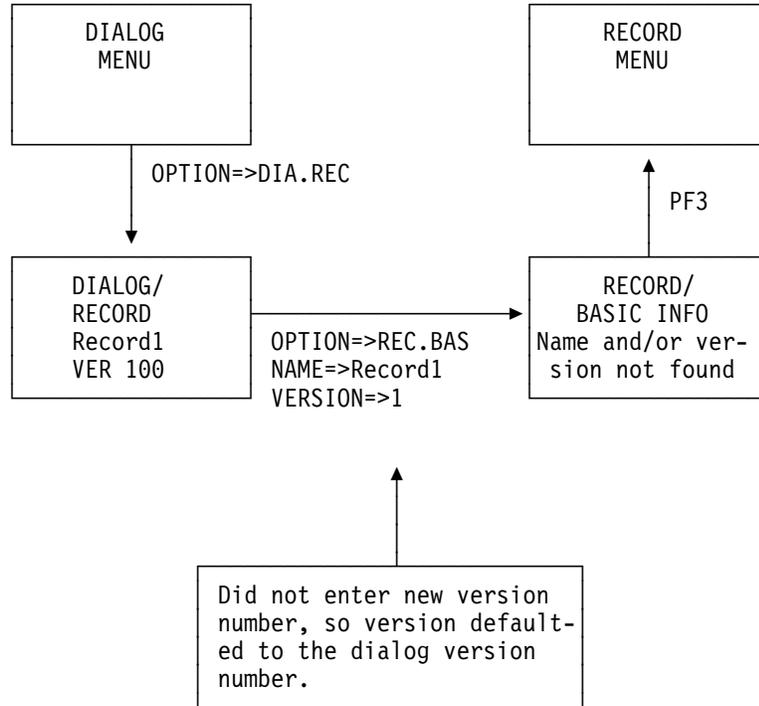
**NAME AND/OR VERSION NOT FOUND**

Like the user described above, you may want to return to a previous screen. Whether you are still at the detail level, or you have pressed PF3 and you are at the menu level, you can transfer directly to the previous detail screen to verify the name and the version number. To access the previous screen, transfer directly by typing:

- The combination code (*code.code*) in the OPTION field.
- The name of the entity (same type as first part of combination code) in the NAME field.

- The entity version number in the VERSION field.

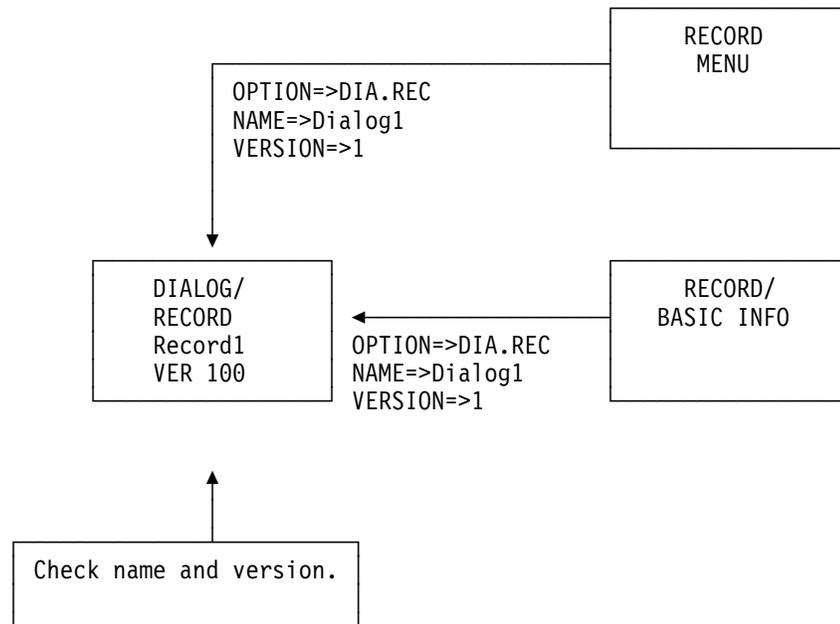
Press the ENTER key.



To return to DIALOG/RECORD from either RECORD/BASIC INFORMATION or RECORD MENU, transfer directly.

## 2.8 Transferring Directly to Any Information Screen (Jumping)

---



*Exhibit 2.14: Returning to a Previous Display*

## 2.9 Ending a CA-IDMS/DQF Session

To leave CA-IDMS/DQF from any screen, type BYE in the OPTION field and press the ENTER key. The system returns to CA-IDMS DC prompt.

The END PF keys (PF3/15) can also be used to leave CA-IDMS/DQF from the Dictionary Entity Main Menu.

When you leave by using the END PF key, CA-IDMS/DQF saves the most recent name and version of each entity accessed in the current session. The current names and version numbers are retained until you leave CA-IDMS DC.



# Chapter 3. Screens

---

3.1 Section Overview . . . . .	3-3
3.1.1 CA-IDMS/DQF Entry Screen . . . . .	3-3
3.1.2 Dictionary Entity Main Menu . . . . .	3-4
3.1.3 Dictionary Entity Main Menu Options . . . . .	3-4
3.1.4 Added Information . . . . .	3-5
3.2 Typical Screens . . . . .	3-7
3.2.1 Common Fields . . . . .	3-7
3.2.2 Second Level Menu Screen . . . . .	3-7
3.2.3 Basic Information Screen . . . . .	3-8
3.2.4 Selection List Screen . . . . .	3-8
3.2.5 Synonym Screen . . . . .	3-9
3.3 Screen Access . . . . .	3-10



## 3.1 Section Overview

This chapter contains descriptions of the screens in CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF).

First, the CA-IDMS/DQF Entry screen is shown. Next is the Dictionary Entity main Menu, followed by a chart showing all the options available. Also included are descriptions of the fields on second level menu screens and detail information screens. Finally, diagrams showing screen access for all the entity types are shown in alphabetical order.

The terms used on the detail information screens are explained in the "Glossary" chapter of this guide.

For a general discussion of how to access screens, see Chapter 2, "The CA-IDMS/DQF Session" on page 2-1.

### 3.1.1 CA-IDMS/DQF Entry Screen

After you enter the task code for CA-IDMS/DQF, the system displays the CA-IDMS/DQF entry screen.

```

          CCCCCCCC
        CCCCCCCC
       CCC
      CCC   AAAA
      CCC   AAAAA
      CCC   AAAAAA
      CCC   AAA AAA
      CCC   AAA AAA
      CCAAACCCCC
      AAACCCCCC
      AAA   AAA
      AAA   AAA
      AA    AAA

          DICTIONARY QUERY FACILITY

          PRESS ENTER TO RECEIVE MAIN MENU

Rnn.nn  COPYRIGHT 1986, 1999   CAI, INC.   ALL RIGHTS RESERVED

```

*Exhibit 3.1: CA-IDMS/DQF Entry Screen*

### 3.1.2 Dictionary Entity Main Menu

The Dictionary Entity Main Menu screen is shown below.

**OPTION**--Enter the three-letter code of any of the options listed on the menu, or a combination code (*code.code*) for a detail information screen.

**DICTIONARY**--Enter the name of the dictionary you want to access.

Default: The current dictionary for your terminal.

**NODE**--Multiple machine environments only. Enter the name of a DDS node that is the communication link between central versions and CPUs. By identifying the DDS node, you can access a dictionary that exists in a CPU or region other than the one in which CA-IDMS/DQF is processing.

Default: The node in which CA-IDMS/DQF is processing.

```

DQF Rnn.nn --- DICTIONARY ENTITY MAIN MENU ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>>

DICTIONARY ==>> SYSDICT                      NODE ==>>

MENU
OPTIONS
-----
APP APPLICATION      LOA LOAD MODULE      SCH SCHEMA
ATT ATTRIBUTE        MAP MAP              SEG SEGMENT
CLA CLASS           MOD MODULE           SSC SUBSCHEMA
DIA DIALOG          PRC PROCESS          SUB SUBSYSTEM
ELE ELEMENT         PRO PROGRAM          SYS SYSTEM
FIL FILE            QFI QFILE           TAB TABLE
                   REC RECORD         USE USER

PF3= EXIT DQF

```

Exhibit 3.2: CA-IDMS/DQF Dictionary Entity Main Menu Screen

### 3.1.3 Dictionary Entity Main Menu Options

The options available from the main menu are illustrated in Exhibit 3.3. The combination codes for the detail screens are shown.

### 3.1.4 Added Information

When you specify a cross-reference, the system may show more information than you expected. For example, when you specify REC.PRO (Record/Programs), the system displays information about programs that are related to the record. The display may also show dialogs that are identified as programs with the same builder code. The extra information is included because CA-IDMS/DQF examines the dictionary builder code to classify entities.

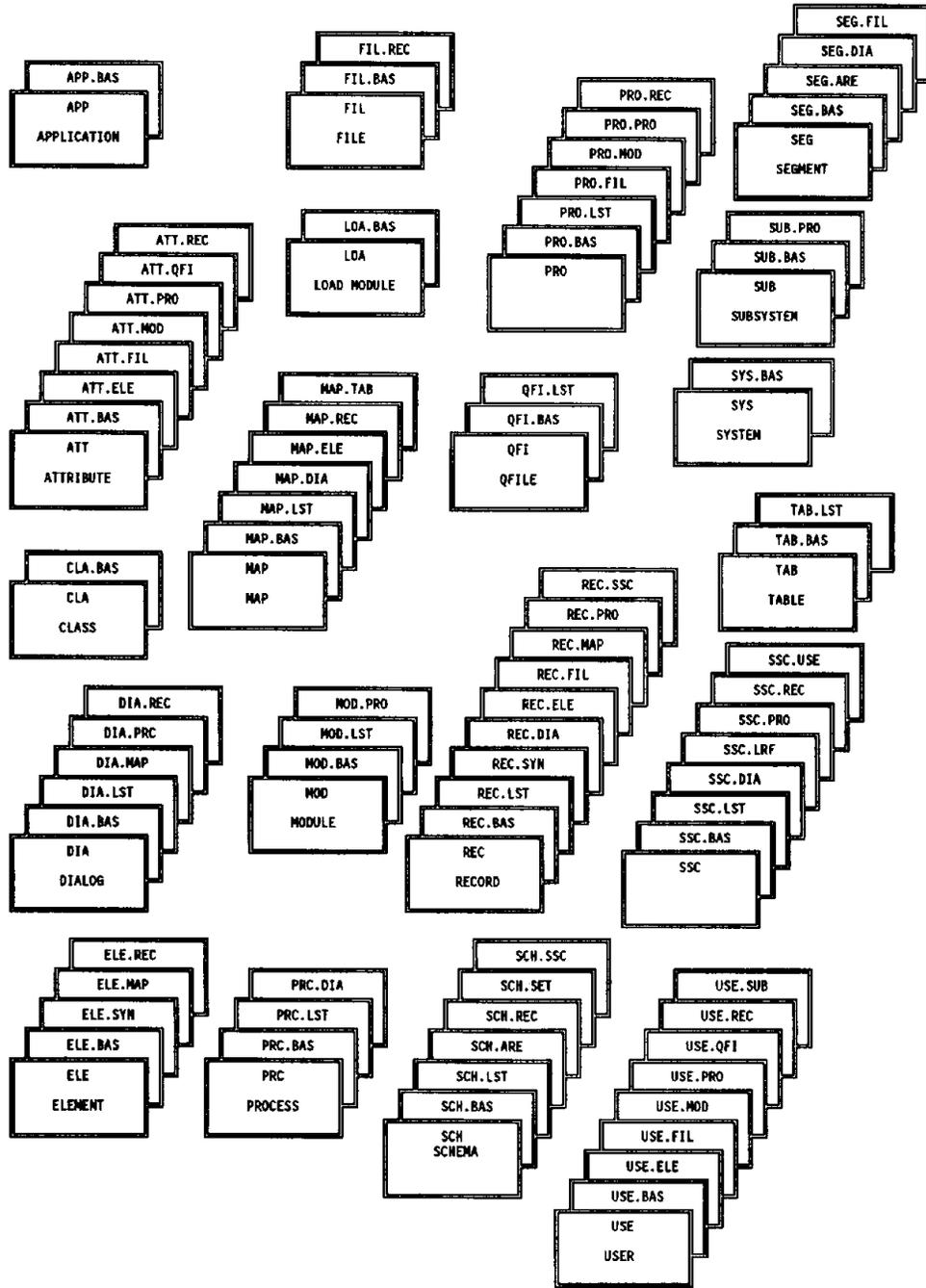


Exhibit 3.3: Options

## 3.2 Typical Screens

A typical second level menu is shown in Exhibit 3.4. Typical detail option screens (Basic Information, Selection List, and Synonym) are shown in Exhibits 3.5, 3.6, and 3.7.

### 3.2.1 Common Fields

Below are descriptions of fields common to second level menu and detail option screens.

**Release Number**--The version of CA-IDMS/DQF that is installed in your environment.

**Screen Title**

**Current Time**--In the format *hh:mm* where *hh* represents the hour on a 24-hour clock and *mm* represents the minutes.

**Current Date**--In for the format *mm/dd/yy* where *mm* represents the month, *dd* represents the date of the month, and *yy* represents the year.

**OPTION**--The field in which you can enter either a menu selection, a combination code that represents an information screen title, or a special function.

**Message Area**--The message area is below the OPTION field. For an explanation of each message, see Chapter 5, "Messages" on page 5-1.

**NAME**--The field in which you can enter the name of a specific entity.

**VERSION**--The field in which you can enter the version number of the entity specified in the NAME field.

**PF Keys**--Functions of PF keys available from the current screen are shown at the bottom of the screen.

### 3.2.2 Second Level Menu Screen

**Detail Options**--Screens that show detailed information specified to the entity named in the NAME field.

**Cross-Reference Options**--Screens that list entities related to the entity named in the NAME field.

### 3.2.3 Basic Information Screen

**Detailed Entity Information**--Details specific to the named entity.

**PAGE**--The page number of the screen in a series, and the total number of pages in the series.

```

DQF Rnn.nn --- RECORD MENU ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>

NAME ==>                                VERSION ==> 1

DICTIONARY ==> ADSDICT                    NODE ==>

DETAIL                                CROSS-REFERENCE
OPTIONS                                OPTIONS
-----                                -----
BAS BASIC INFO                        DIA DIALOGS                SSC SUBSCHEMAS
LST SELECTION LIST                    ELE ELEMENTS
SYN SYNONYMS                          FIL FILES
                                        MAP MAPS
                                        PRO PROGRAMS

PF4= MAIN MENU

```

*Exhibit 3.4: Typical Second Level Menu Screen*

```

DQF Rnn.nn --- DIALOG / BASIC INFO ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>                                PAGE 1 OF 1

NAME ==> DADQDDQF                        VERSION ==> 1

DESCRIPTION                            ADS DIALOG
LAST COMPILED                          mm/dd/yy
PREPARED                                mm/dd/yy      BY SMIJ002
REVISED                                 mm/dd/yy      BY
SUBSCHEMA                               IDMSNWKA

PF3= END   PF4= MAIN MENU   PF7= UP   PF8= DOWN

```

*Exhibit 3.5: Typical Entity Basic Information Screen*

### 3.2.4 Selection List Screen

**Entity Occurrence Name**--The names of the specific occurrences of the entity chosen on the second level menu screen that match the characters appearing in the NAME field.

**PAGE**--The page number of the screen in a series, and the total number of pages in the series.

```

DQF Rnn.nn --- SUBSCHEMA SELECTION ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>> PAGE 1 OF 2

NAME ==>> DQF***## VERSION ==>>

NAME      SCHEMA      VER
DQFSUB00  DQFSCHEM    0001
DQFSUB01  DQFSCHEM    0001
DQFSUB02  DQFSCHEM    0001
DQFSUB03  DQFSCHEM    0001
DQFSUB04  DQFSCHEM    0001
DQFSUB05  DQFSCHEM    0001
DQFSUB06  DQFSCHEM    0001
DQFSUB07  DQFSCHEM    0001
DQFSUB08  DQFSCHEM    0001
DQFSUB09  DQFSCHEM    0001
DQFSUB10  DQFSCHEM    0001
DQFSUB11  DQFSCHEM    0001
DQFSUB12  DQFSCHEM    0001
DQFSUB13  DQFSCHEM    0001
DQFSUB14  DQFSCHEM    0001
...CONTINUED

PF3= END   PF4= MAIN MENU   PF7= UP   PF8= DOWN

```

*Exhibit 3.6: Typical Entity Selection List Screen*

### 3.2.5 Synonym Screen

**SYNONYM Names**--Alternate names for the entity (record or element) chosen on the second level menu screen.

**PAGE**--The page number of the screen in a series, and the total number of pages in the series.

```

DQF Rnn.nn --- RECORD / SYNONYMS ----- CAI, INC. hh:mm mm/dd/yy
OPTION ==>> PAGE 1 OF 1

NAME ==>> DATE-TIME VERSION ==>>

SYNONYM      VER   PREFIX
ACWK001-DATE-TIME 0001 PRIMARY
DATE-TIME      0100
CURRENT-DATE-TIME 0001
W001-DATE-TIME 0100 W001-

PF3= END   PF4= MAIN MENU   PF7= UP   PF8= DOWN

```

*Exhibit 3.7: Typical Entity Synonym Screen*

## 3.3 Screen Access

This section contains diagrams which show screen access for the following entity types:

- Application
- Attribute
- Class
- Dialog
- Element
- File
- Load Module
- Map
- Module
- Process
- Program
- QFile
- Record
- Subschema
- Segment
- Schema
- Subsystem
- System
- Table
- User

The combination code (*code.code*) is shown for each screen.

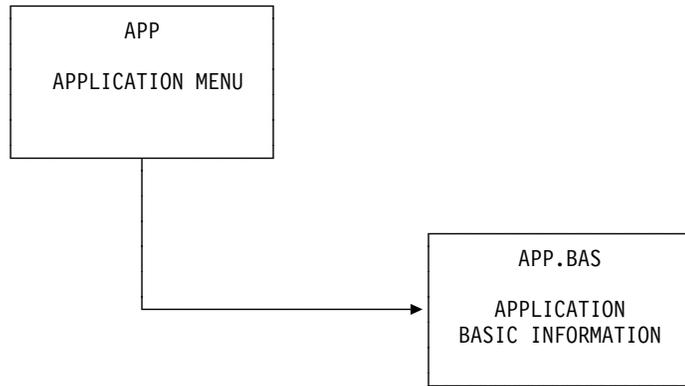


Exhibit 3.8: APPLICATION Screens

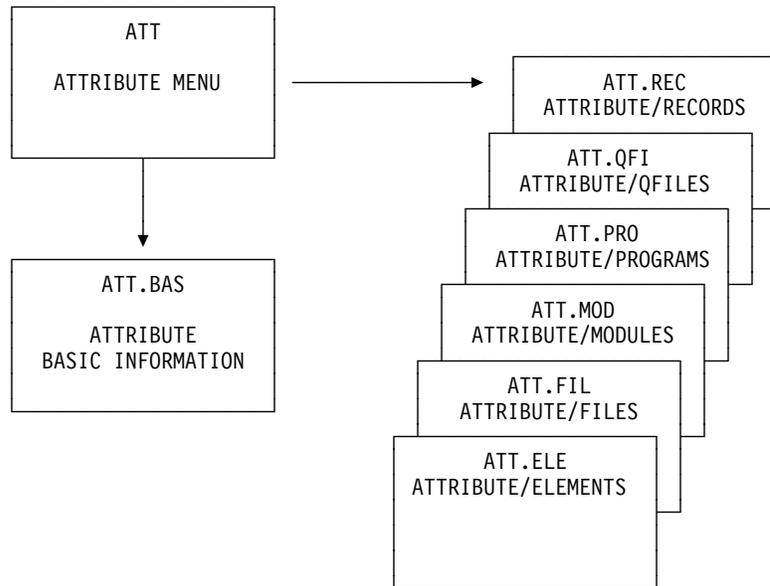
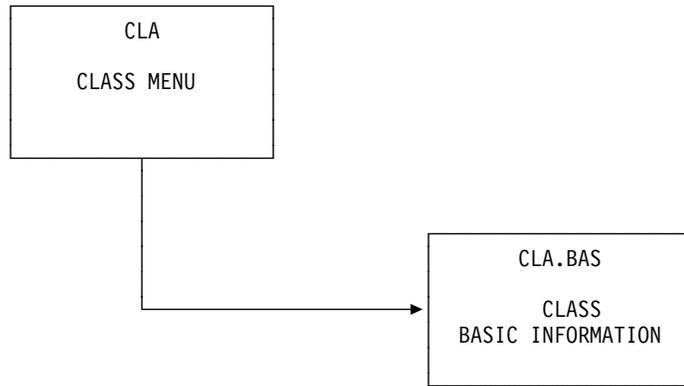
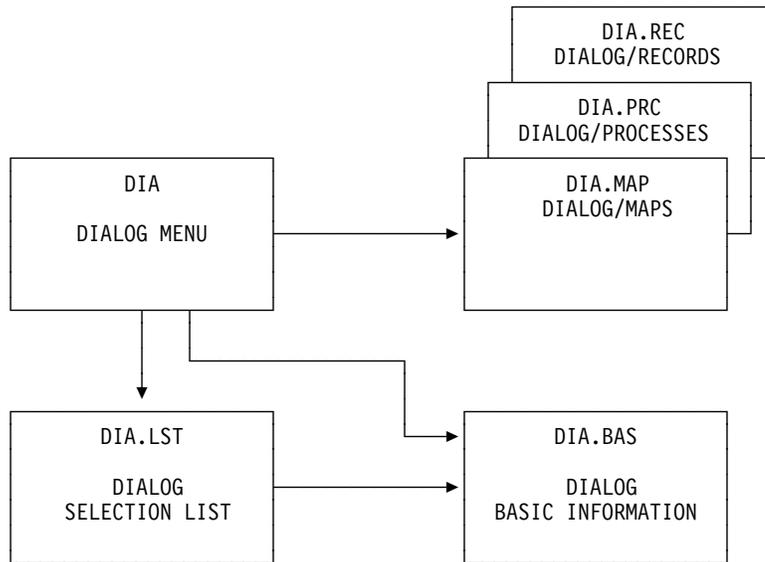


Exhibit 3.9: ATTRIBUTE Screens



*Exhibit 3.10: CLASS Screens*



*Exhibit 3.11: DIALOG Screens*

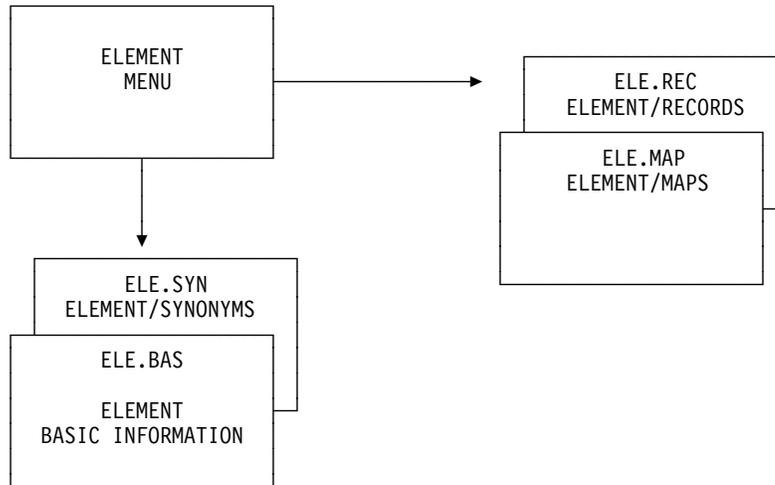


Exhibit 3.12: ELEMENT Screens

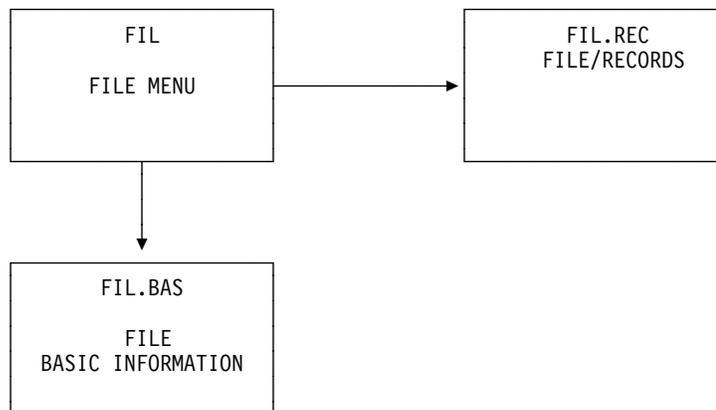
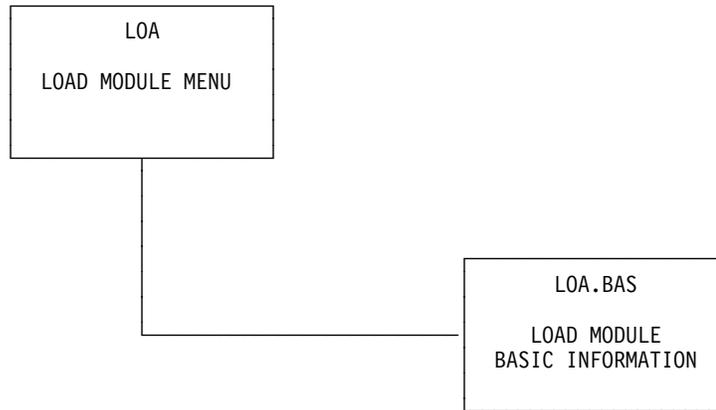
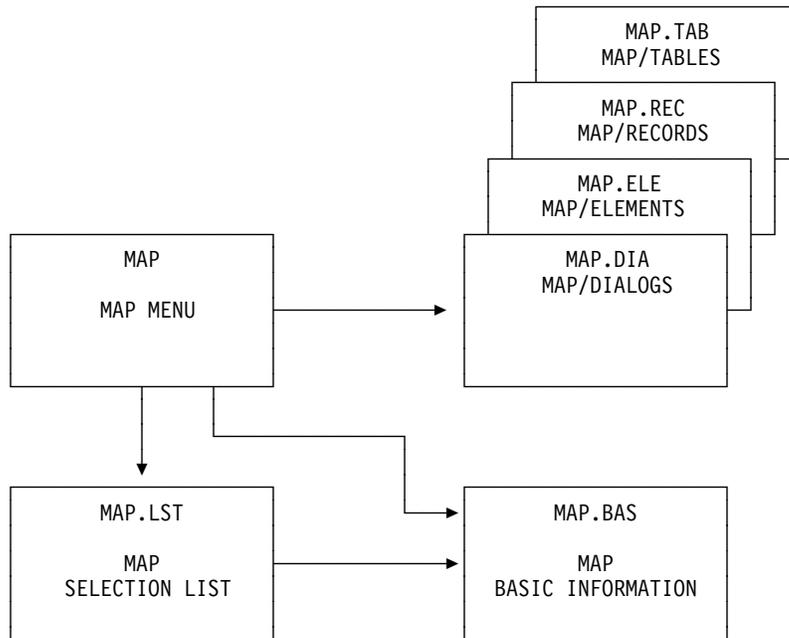


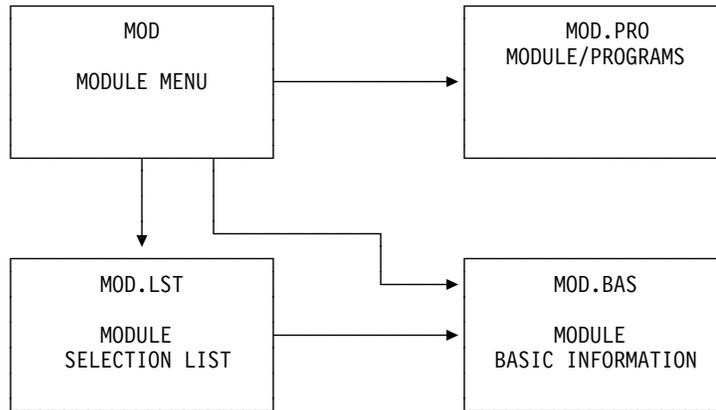
Exhibit 3.13: FILE Screens



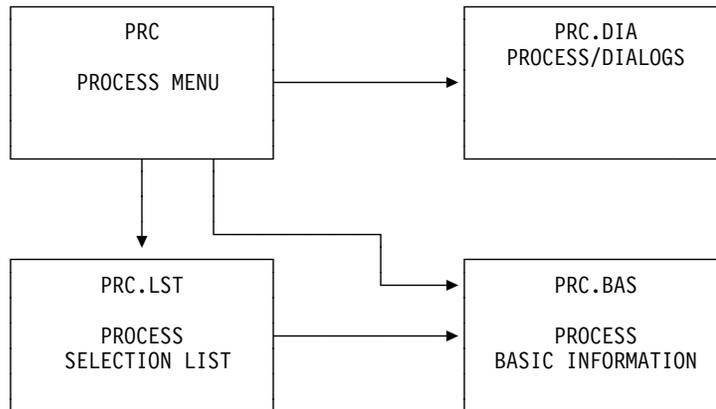
*Exhibit 3.14: LOAD MODULE Screens*



*Exhibit 3.15: MAP Screens*



*Exhibit 3.16: MODULE Screens*



*Exhibit 3.17: PROCESS Screens*

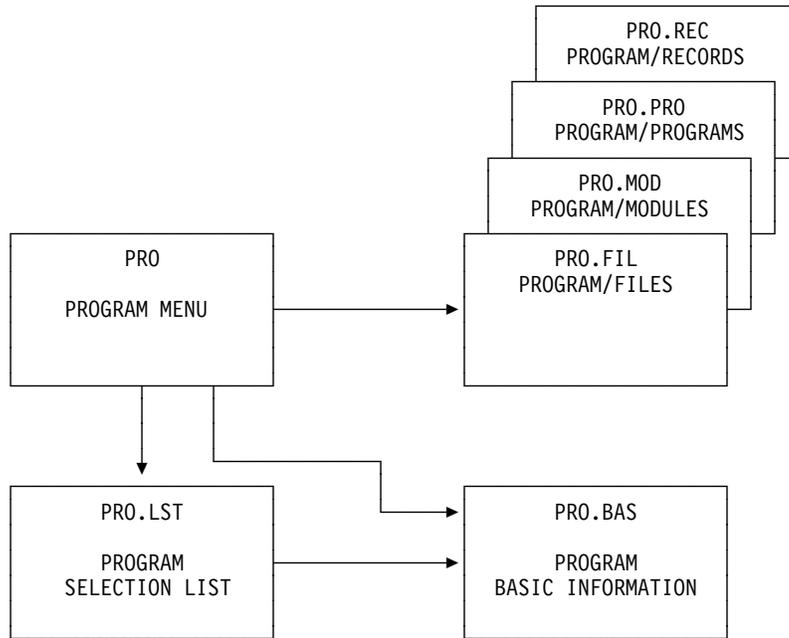


Exhibit 3.18: PROGRAM Screens

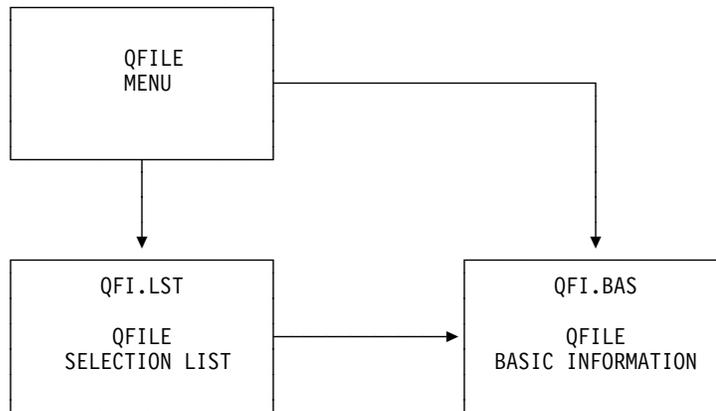


Exhibit 3.19: QFILE Screens

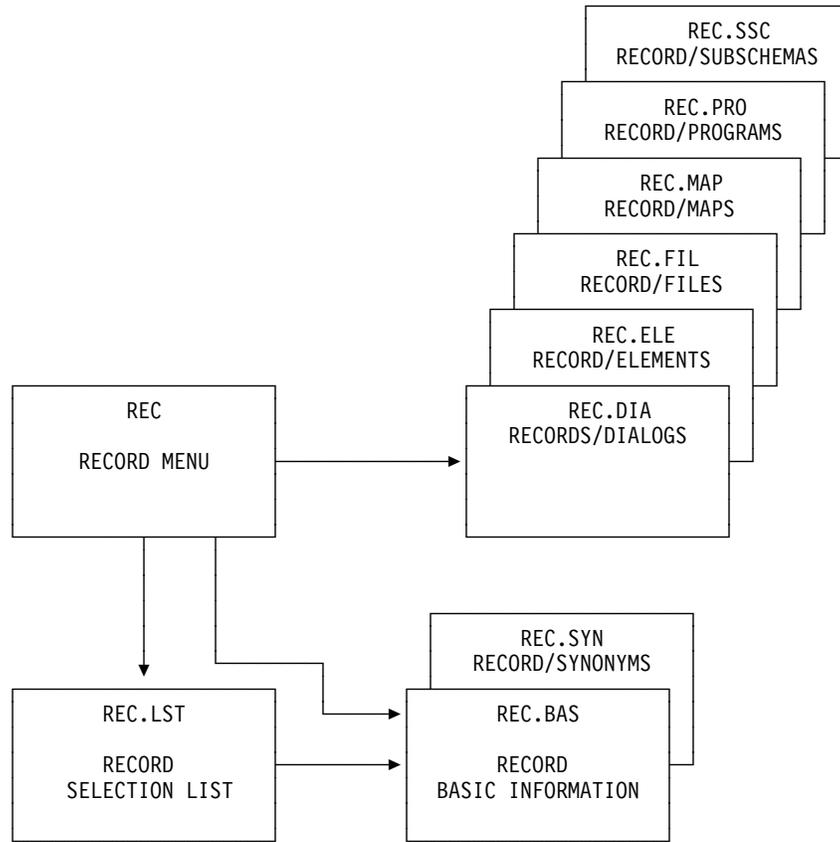
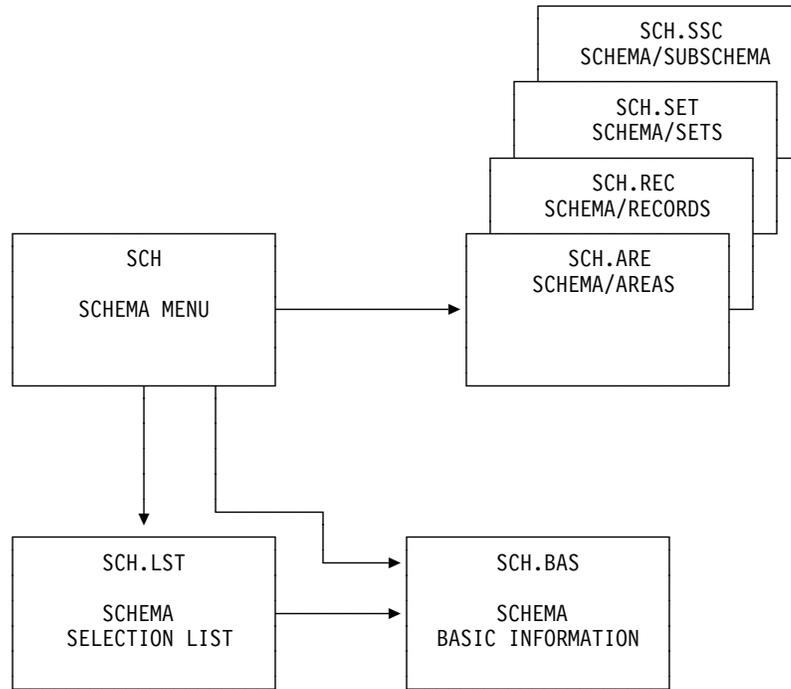
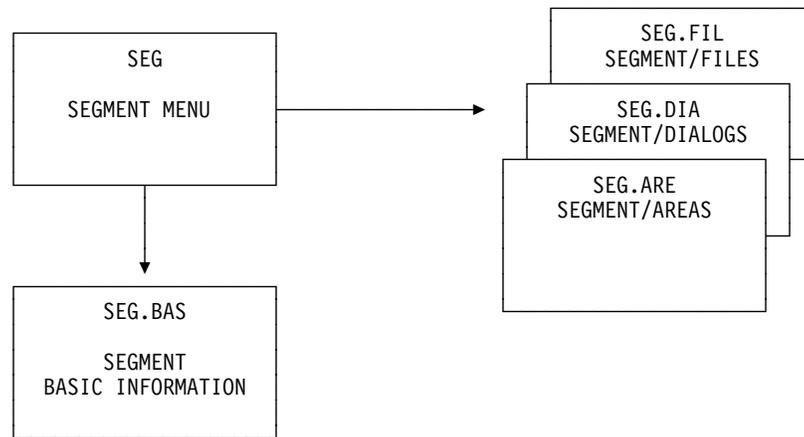


Exhibit 3.20: RECORD Screens



*Exhibit 3.21: SCHEMA Screens*



*Exhibit 3.22: SEGMENT Screens*

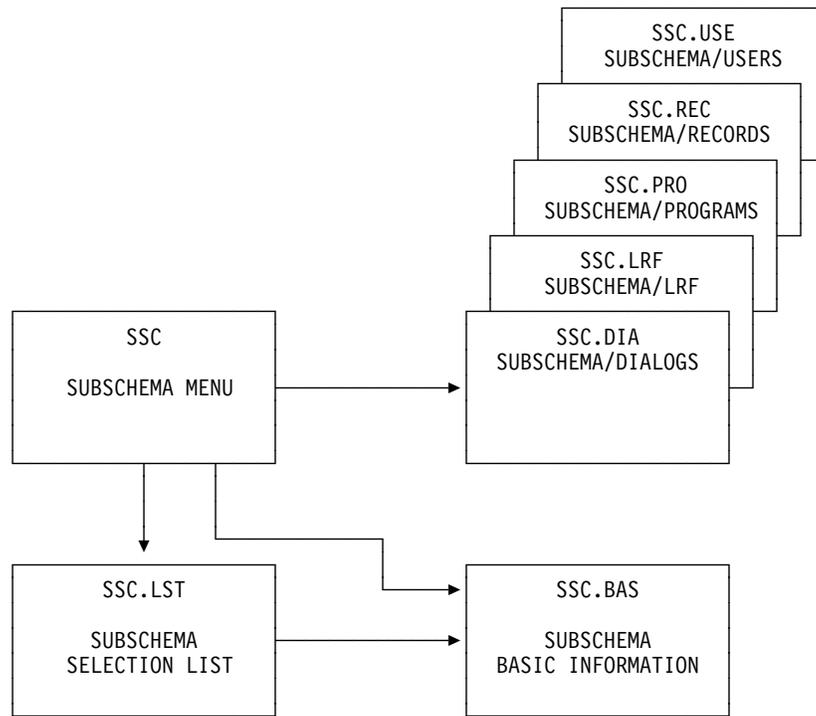


Exhibit 3.23: SUBSCHEMA Screens

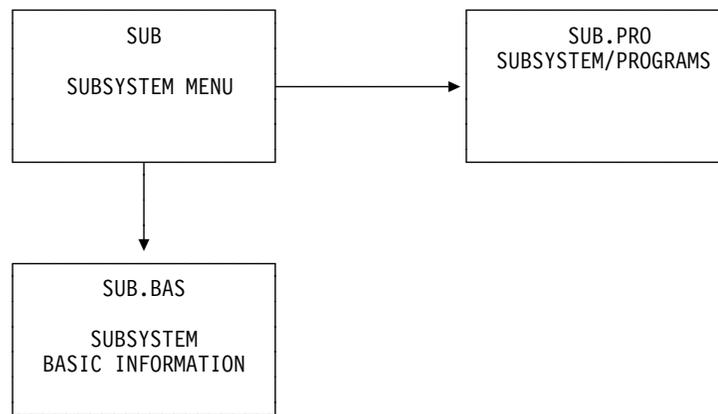
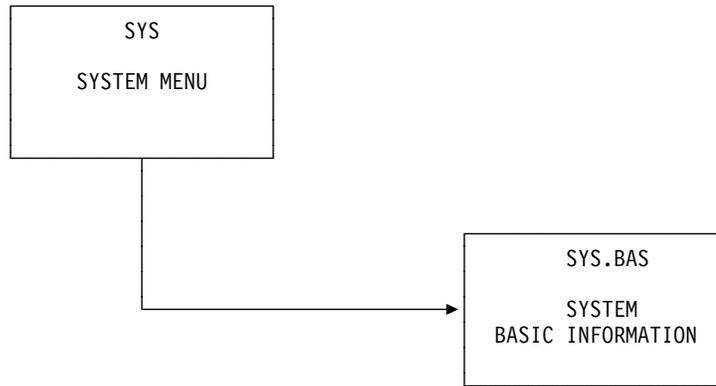
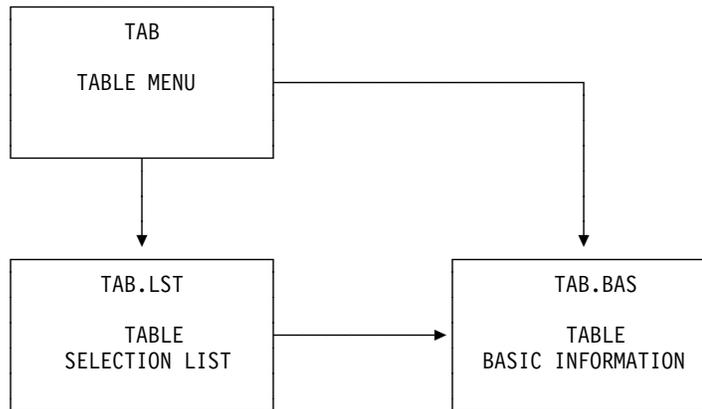


Exhibit 3.24: SUBSYSTEM Screens



*Exhibit 3.25: SYSTEM Screens*



*Exhibit 3.26: TABLE Screens*

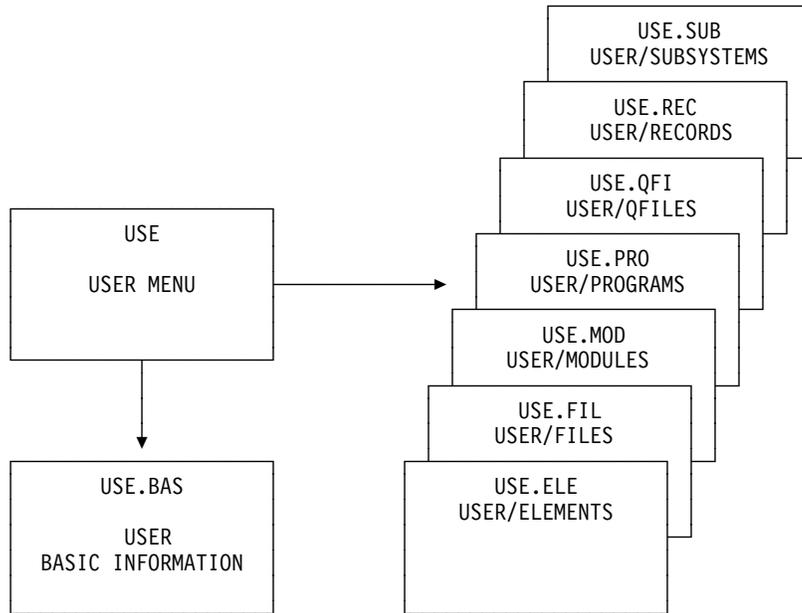


Exhibit 3.27: USER Screens



# Chapter 4. Operations

---

- 4.1 Section overview . . . . . 4-3
- 4.2 System Requirements . . . . . 4-4
  - 4.2.1 Terminal Type . . . . . 4-4
  - 4.2.2 Subschema . . . . . 4-4
  - 4.2.3 Security . . . . . 4-4
- 4.3 Storage Requirements . . . . . 4-5
  - 4.3.1 Program Pool . . . . . 4-5
  - 4.3.2 Session Storage Pool . . . . . 4-5
  - 4.3.3 Scratch/Queue Area . . . . . 4-5
- 4.4 Alternate Dictionary(ies) . . . . . 4-6



## 4.1 Section overview

This section discusses the operation of CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF) and covers system requirements, storage requirements, and the use of alternate dictionaries.

## 4.2 System Requirements

System requirements for CA-IDMS/DQF include the operating environment, the terminal type, and the subschema.

### 4.2.1 Terminal Type

CA-IDMS/DQF can be used from an IBM 3270-type terminal (models 2 through 5), including a 3279 color display.

### 4.2.2 Subschema

CA-IDMS/DQF uses the IDMSNWKA and IDMSNWKG subschemas.

### 4.2.3 Security

Normal CA-IDMS DC security applies. You can limit access to CA-IDMS/DQF by setting security on your CA-IDMS/DQF task code.

## 4.3 Storage Requirements

CA-IDMS/DQF uses the program pool, the storage pool, and the scratch/queue area.

### 4.3.1 Program Pool

Because all CA-IDMS/DQF run-time modules are reentrant, only one copy of CA-IDMS/DQF is required to support multiple users. CA-IDMS/DQF is required to support multiple users. CA-IDMS/DQF requires 6K to 200K of program storage for an average session.

### 4.3.2 Session Storage Pool

A session storage block is used for communication between CA-IDMS/DQF modules. Each terminal user requires 10K to 200K for storage during an average session; the session storage is released at the end of the session.

### 4.3.3 Scratch/Queue Area

Detail displays create a scratch paging file. This file varies from one to several thousand pages depending on the size of the detail block. This scratch area is released at the end of the session, if you leave CA-IDMS/DQF using the BYE command. If you leave the facility by pressing the PF3 or PF15 key from the Main Menu, the scratch area is retained until you leave CA-IDMS DC.

## 4.4 Alternate Dictionary(ies)

CA-IDMS/DQF is a CA-ADS application, and the installation process adds the CA-IDMS/DQF application to the CA-IDMS Task Application Table (TAT) in the TOOLDICT dictionary. You must update each additional dictionary under which you intend to execute CA-IDMS/DQF.

See the CA-IDMS installation guides for instructions on updating the additional dictionary(ies).

# Chapter 5. Messages

---

5.1 CA-IDMS/DQF Messages . . . . .	5-3
5.1.1 Severity Codes . . . . .	5-3
5.2 Message Texts . . . . .	5-4



## 5.1 CA-IDMS/DQF Messages

CA-IDMS/Dictionary Query Facility (CA-IDMS/DQF) messages are preceded by an alphanumeric code that ends with a letter indicating the severity. The severity code is either I, W, or E. This section lists for each message the code, the text, and an explanation.

### 5.1.1 Severity Codes

**Informative**--A message with a severity code of **I** is an informative message. Informative messages are for your information only. No remedial action is required.

**Warning**--A message with a severity code of **W** is a warning message. A warning message tells you why your command cannot be carried out. Suggested remedial actions are listed for these messages.

**Error**--A message with a severity code of **E** is an error message. When CA-IDMS/DQF encounters an error condition (usually syntactical), an error message will appear on your screen. Error messages report erroneous and conflicting data that requires action.

This chapter lists the code for each message along with an explanation for each one.

## 5.2 Message Texts

### **DQFD001W ENTER NAME AND VERSION TO RECEIVE REQUESTED REPORT:**

**Reason:** An entity name and version number have not been entered for the requested detail or cross reference screen.

**Action:** Enter an entity name in the NAME field and the version number in the VERSION field, and press the ENTER key.

### **DQFD002W NAME AND/OR VERSION NOT FOUND:**

**Reason:** Either the entity name was not found or the specified version of the entity was not found.

**Action:** Check the spelling of the name and the version number. Be sure that the name and version you entered are of the same type as the information screen. For example OPTION===> REC.ELE, the name should be a record name, **not** an element name.

### **DQFD003W MAXIMUM NUMBER OF OUTPUT LINES EXCEEDED. REPORT IS TRUNCATED.:**

**Reason:** While retrieving data from the dictionary, CA-IDMS/DQF reached the maximum number of lines that can be viewed online.

**Action:** You can browse the displayed information. Remember that the dictionary contains more information than is displayed. Use a batch facility to obtain large reports.

### **DQFD004W REQUESTED CROSS REFERENCE NOT IN DICTIONARY:**

**Reason:** CA-IDMS/DQF did not find any cross-reference information for the entity name and version that were entered. Either no data exists in the dictionary, or the cross references exist for the primary name only. The name and version that were entered may be a copy created from another version.

**Action:** Check the name and version number. Use a combination code (for example, REC.BAS) to transfer to the basic information screen to find the primary name.

### **DQFD015E GET SCRATCH ERROR. IDMS STATUS=*error-code*:**

**Reason:** CA-IDMS/DQF was trying to read a scratch record and encountered an unexpected condition.

**Action:** Check scratch area utilization. If the problem recurs, call Computer Associates Product Support.





# Glossary

---

**ACTIVITY.** The verb that a program uses to access a record-either COPIED or the specific DML verb.

**APPLICATION.** A group of one or more dialogs or programs.

**APPLICATIONS RELATED TO THIS APPLICATION.** See "entities RELATED TO THIS entity".

**APPLICATIONS WHICH THIS IS A RELATED APPLICATION.** See "entities WHICH THIS IS A RELATED entity".

**AREA.** A portion of a database.

**ATTRIBUTE.** A characteristic of an entity. Attributes are defined within dictionary classes.

**ATTRIBUTES ARE.** Singular or plural; manual or automatic.

**ATTRIBUTES RELATED TO THIS ATTRIBUTE.** See "entities RELATED TO THIS entity".

**ATTRIBUTES WHICH THIS IS A RELATED ATTRIBUTE.** See "entities WHICH THIS IS A RELATED entity".

**AUTHORIZATION.** Y--Programs referencing this subschema must be registered.

N--Any program that references the subschema can be compiled (no authorization).

**BASIC INFO.** Descriptive information about an entity.

**BUILDER.** The system utility that created a record.

**CLASS.** A group of attributes.

**CLASS TYPE.** Either CLASS or ENTITY (user-defined entity).

**COMMENTS.** User-supplied explanatory text.

**CREATED.** Date of creation and/or user that created the entity.

**DATE COMPILED.** Last date structural modifications were made.

**DATE FORMAT.** Format in which the current date is available in an application run-time.

**DEFINITION.** User-supplied explanatory text.

**DELETION LOCK.** ON--The deletion lock must be turned off before deleting the class or attribute.

OFF--The class or attribute can be deleted directly.

**DESCRIPTION.** User-supplied explanatory text.

**DIALOG.** In CA-ADS, an executable module made up of subschema, map, and process modules.

**DIALOGS RELATED TO THIS DIALOG.** See "entities RELATED TO THIS entity".

**DIALOGS WHICH THIS IS A RELATED DIALOG.** See "entities WHICH THIS IS A RELATED entity".

**DMCL.** Name of the DMCL under which the subschema was compiled.

**ELEMENT.** Group or elementary data item.

**ELEMENTS RELATED TO THIS ELEMENT.** See "entities RELATED TO THIS entity".

**ELEMENTS WHICH THIS IS A RELATED ELEMENT.** See "entities WHICH THIS IS A RELATED entity".

**entities RELATED TO THIS entity.** Identifies the user-defined relationship that exists between one or more entity occurrences and the entity occurrence appearing in the NAME field. Also lists the name and version number of the related entities.

**entities WHICH THIS IS A RELATED entity.** Identifies the user-defined relationship that exists between the entity occurrence appearing in the NAME field and the entity occurrences to which it is related. Also lists the name and version number of the related entities.

**ERROR FLAG.** Y--Errors were detected at compile time or a module was marked unusable.

N--No errors were detected at compile time.

**FILE.** A collection of data described by records. It corresponds to the FILE statement in COBOL, the DECLARE FILE statement in PL/1, and the DCB macro

---

in Assembler. Sort files, internal files, and print files are not documented in the dictionary.

**FILES RELATED TO THIS FILE.** See "entities RELATED TO THIS entity".

**FILES WHICH THIS IS A RELATED FILE.** See "entities WHICH THIS IS A RELATED entity".

**FULL VIEW.** On Record/Subschemas screen:

1--The subschema has been defined to access all record elements in the record.

0--The subschema has been defined to access only some of the record elements in the record.

**FUNCTION.** named procedure within an application that represents a group of valid responses.

**GLOBAL RECORD.** Record that is available to all functions at run-time.

**LANGUAGE.** Program language.

**LENGTH.** Length in bytes.

**LEVEL.** COBOL level number of the record element.

**LOAD MODULE NAME.** Member name of a dialog, map, etc. in a load area.

**LOGICAL RECORD.** A record made up of multiple database records.

**LRF ACCESS FLAG.** Logical record access flag.

Y--Only logical records are available to programs that use this subschema.

N--Logical records and subschema records are available to programs that use this subschema.

**MAP.** The means of interfacing between the terminal operator and the dialog. A map defines a screen format and can associate fields on the screen with data elements in records used by a dialog. A map is defined by using CA-IDMS DC/UCF mapping facility and is stored as a load module and source in the dictionary.

**MAP RELEASE ID.** Release number of the compiler under which the map was generated.

**MODULE.** A unit of source code. Modules can have one of several language attributes, such as COBOL, PL/1, Assembler, or DDR. Modules that have language OLQ

are q-files; modules that have language ADS are processes; modules that have language TABLE are edit or code tables.

**Module BUILDER.** Code indicating what compiler, processor, or generator created the module.

**MODULES RELATED TO THIS MODULE.** See "entities RELATED TO THIS entity".

**MODULES WHICH THIS IS A RELATED MODULE.** See "entities WHICH THIS IS A RELATED entity".

N/A. Not applicable.

**NO. OF SOURCE LINES.** Estimated number of source lines. ("Included" code is not counted.)

**PICTURE.** Size and data type of an element.

**PREFIX.** Prefix defined for record.

**PREPARED BY.** User that created the entity.

**PRIMARY RECORD.** Primary name of record. Other names are synonyms.

**PROCESS.** A set of CA-ADS commands that define a dialog's premap or response processing.

**PROGRAM.** A unit of source code that can be compiled individually by a language compiler. The primary name of a program in the dictionary is the PROGRAM ID of the source program. Both mainline and called programs are programs in the dictionary. Calling/called hierarchies are maintained during acceptance compiles.

**PROGRAMS RELATED TO THIS PROGRAM.** See "entities RELATED TO THIS entity".

**PROGRAMS WHICH THIS IS A RELATED PROGRAM.** See "entities WHICH THIS IS A RELATED entity".

**Q-FILE.** A set of OLQ commands stored in the dictionary as a 1-file type module.

**QFILES RELATED TO THIS QFILE.** See "entities RELATED TO THIS entity".

**QFILES WHICH THIS IS A RELATED QFILE.** See "entities WHICH THIS IS A RELATED entity".

---

**RECORD.** A collection of one or more data elements. A record has a primary name and may have one or more synonyms.

**RECORD NAME.** Primary name of a record.

**RECORD LENGTH.** Length in bytes, calculated from record elements.

**RECORDS RELATED TO THIS RECORD.** See "entities RELATED TO THIS entity".

**RECORDS WHICH THIS IS A RELATED RECORD.** See "entities WHICH THIS IS A RELATED entity".

**RELATIONSHIP.** Either CALLS or CALLED BY.

**REMARKS.** User-supplied explanatory text.

**REVISED.** Date the entity was last changed and user that last changed the entity.

**SCHEMA.** Name and version of schema that contains the subschema.

**SET.** Defines the relationship between record types.

**SPF FLAG.** Y--Indicates the subschema is using SPF indices.

N--Indicates the subschema is not using SPF indices.

**S/P/U.** S--Indicates that the record element has a name (synonym) defined in the record that is different from the name of primary elements.

P--Indicates that the record element has a picture defined in the record that is different from the picture of the primary element.

U--Indicates that the record element has a usage defined in the record that is different from the usage of the primary element.

**START.** Element's starting position in the record.

**SUBORDINATES.** Subordinate element names (within group elements).

**SUBSCHEMA.** A subset of the schema denoted by an 8-character name. (Version is not applicable.)

**SUBSYSTEM.** See "SYSTEM".

**SUBSYSTEMS RELATED TO THIS SUBSYSTEM.** See "entities RELATED TO THIS entity".

**SUBSYSTEMS WHICH THIS IS A RELATED SUBSYSTEM.** See "entities WHICH THIS IS A RELATED entity".

**SYNONYM.** Alternate name of the element or record (or alias).

**SYSTEM.** Documentation of the collection, processing, storage, and generation of data. Systems are at the highest level in the dictionary system/data structure.

**SYSTEMS RELATED TO THIS SYSTEM.** See "entities RELATED TO THIS entity".

**SYSTEMS WHICH THIS IS A RELATED SYSTEM.** See "entities WHICH THIS IS A RELATED entity".

**TABLE.** A collection of values.

**TABLES RELATED TO THIS TABLE.** See "entities RELATED TO THIS entity".

**TABLES WHICH THIS IS A RELATED TABLE.** See "entities WHICH THIS IS A RELATED entity".

**TASK AND FUNCTION.** The task (named entity that allows for entry into an application) and its associated function (named response group within an application).

**TIMES.** Number of times the activity occurs in the program.

**TIME STAMP.** The time that the entity was compiled, in the format hhmmsshh.

**UPDATED.** Date entity was last changed.

**USAGE.** Element usage; for example, DISPLAY or COMP.

**USER.** A valid IDD user name.

**USER DEFINED COMMENT.** Allows the user to separate comments into user-specified categories. Usually followed by lines of comments.

**USER RESP FOR CREATION.** User responsible for creation of this entity type.

**USERS RELATED TO THIS USER.** See "entities RELATED TO THIS entity".

---

**USERS WHICH THIS IS A RELATED USER.** See "entities WHICH THIS IS A RELATED entity".

**VER.** Version number.

**WITHIN CLASS.** Defines the class for an attribute.

**WITHIN PANEL.** Panel that contains map.

o

# Index

---

## A

- A Tool for Every Database User 1-5
- A Typical DQF Query 1-10
- accessing
  - another dictionary or node 2-14
  - basic information 2-19
  - Dictionary Entity Main Menu screen 2-12
  - general selection list 2-18
  - refined selection list 2-18
- accessing information screens 2-4
- ACTIVITY X-1
- APPLICATION X-1
- APPLICATION screens 3-11
- APPLICATIONS RELATED TO THIS
  - APPLICATION X-1
- APPLICATIONS WHICH THIS IS A RELATED
  - APPLICATION X-1
- AREA X-1
- ATTRIBUTE X-1
- ATTRIBUTE screens 3-11
- ATTRIBUTES ARE X-1
- ATTRIBUTES RELATED TO THIS ATTRIBUTE X-1
- ATTRIBUTES WHICH THIS IS A RELATED ATTRIBUTE X-1
- AUTHORIZATION X-1
- automatic saving of names and version numbers 2-7

## B

- BASIC INFO X-1
- Beginning the CA-IDMS/DQF Session 2-12
- BUILDER X-1
- BYE command 2-7

## C

- CA-IDMS/DQF
  - menus 1-7
- CA-IDMS/DQF Entry screen 2-12, 3-3
- CA-IDMS/DQF Messages 5-3
- CLASS X-1
- CLASS screens 3-12
- CLASS TYPE X-1
- combination codes 2-17, 2-22
  - on DICTIONARY ENTITY MAIN MENU screen 2-23

- commands
  - BYE 2-7
  - DOWN 2-7
  - RETURN 2-7
  - UP 2-7
- COMMENTS X-1
- common fields on screens 3-7
  - basic information screens 3-8
  - second level menu screens 3-7
- Conceptual View 2-5
- Content of Information Screens 1-12
- CREATED X-1
- current names and versions, saving
  - CA-IDMS/DQF 2-7

## D

- DATE COMPILED X-1
- DATE FORMAT X-1
- DEFINITION X-1
- DELETE key 2-7
- deleting characters in OPTION field 2-7
- DELETION LOCK X-1
- DESCRIPTION X-1
- DIALOG X-1
- DIALOG screens 3-12
- DIALOGS RELATED TO THIS DIALOG X-1
- DIALOGS WHICH THIS IS A RELATED
  - DIALOG X-1
- DICTIONARY ENTITY MAIN MENU screen 2-13, 3-4
- DMCL X-1
- DOWN command 2-7
- DOWN PF key 2-8

## E

- ELEMENT X-1
- ELEMENT screens 3-13
- ELEMENTS RELATED TO THIS ELEMENT X-1
- ELEMENTS WHICH THIS IS A RELATED
  - ELEMENT X-1
- END PF key 2-8
- Ending a CA-IDMS/DQF Session 2-27
- entities RELATED TO THIS entity X-1
- entities WHICH THIS IS A RELATED entity X-1
- Environment 1-13

---

ERASE EOF key 2-7  
ERROR FLAG X-1  
exiting CA-IDMS/DQF 2-27

## F

FILE X-1  
FILE screens 3-13  
FILES RELATED TO THIS FILE X-2  
FILES WHICH THIS IS A RELATED FILE X-2  
Finding Dictionary Information 2-4  
first level 2-5  
FULL VIEW X-2

## G

GLOBAL RECORD X-2

## H

How to Use CA-IDMS/DQF 1-11

## J

jumping to any screen 2-22

## L

LANGUAGE X-2  
leaving CA-IDMS/DQF 2-27  
LENGTH X-2  
LEVEL X-2  
levels, screen 2-5  
LOAD MODULE NAME X-2  
LOAD MODULE screens 3-14  
Locate and Examine Dictionary Contents Easily  
Online 1-4  
LOGICAL RECORD X-2  
LRF ACCESS FLAG X-2

## M

MAP X-2  
MAP RELEASE ID X-2  
MAP screens 3-14  
menus 1-7  
Message Texts 5-4  
messages  
CA-IDMS/DQF 5-3  
error 5-3  
informative 5-3  
warning 5-3

MODULE X-2  
Module BUILDER X-2  
MODULE screens 3-15  
MODULES RELATED TO THIS MODULE X-2  
MODULES WHICH THIS IS A RELATED  
MODULE X-2

## N

NO. OF SOURCE LINES X-2

## O

option codes 2-17  
OPTION field defaults 2-20  
options 2-17  
Organization vii

## P

PF keys 2-4, 2-8  
PICTURE X-2  
PREFIX X-2  
PREPARED BY X-2  
PRIMARY RECORD X-2  
PROCESS X-2  
PROCESS screens 3-15  
PROGRAM X-2  
Program Function keys 2-8  
PROGRAM screens 3-16  
program storage 4-5  
PROGRAMS RELATED TO THIS PROGRAM X-2  
PROGRAMS WHICH THIS IS A RELATED  
PROGRAM X-2

## Q

Q-FILE X-2  
QFILE screens 3-16  
QFILES RELATED TO THIS QFILE X-2  
QFILES WHICH THIS IS A RELATED QFILE X-2

## R

RECORD X-3  
RECORD LENGTH X-3  
RECORD NAME X-3  
RECORD screens 3-17  
RECORDS RELATED TO THIS RECORD X-3  
RECORDS WHICH THIS IS A RELATED  
RECORD X-3

---

Related Publications viii  
RELATIONSHIP X-3  
relationships between entities 1-4  
REMARKS X-3  
requesting  
    information screen 2-15  
    second level menu 2-14  
RETURN command 2-7  
RETURN PF key 2-8  
returning to  
    DICTIONARY ENTITY MAIN MENU screen 2-20  
    previous display 2-26  
    screen from which you transferred 2-24  
    second level menu 2-20  
REVISED X-3

## S

S/P/U X-3  
SCHEMA X-3  
SCHEMA screens 3-18  
scratch/queue storage 4-5, 4-6  
Screen Access 3-10  
screen levels 2-5  
screens  
    APPLICATION 3-11  
    ATTRIBUTE 3-11  
    CA-IDMS/DQF Entry 2-12, 3-3  
    CLASS 3-12  
    DIALOG 3-12  
    DICTIONARY ENTITY MAIN MENU 3-4  
    DICTIONARY ENTITY MAIN MENU screen 2-13  
    ELEMENT 3-13  
    FILE 3-13  
    LOAD MODULE 3-14  
    MAP 3-14  
    MODULE 3-15  
    PROCESS 3-15  
    PROGRAM 3-16  
    QFILE 3-16  
    RECORD 3-17  
    SCHEMA 3-18  
    selection list 1-8  
    SUBSCHEMA 3-18  
    SUBSYSTEM 3-19  
    SYSTEM 3-20  
    TABLE 3-20  
    USER 3-21  
second level 2-5  
Section Overview 3-3

security 4-4  
selection list screen 3-8  
selection list screens 1-8  
sequence of events using  
    combination codes 2-24  
    menus 2-21  
session storage 4-5  
session suspension 1-8  
SET X-3  
severity codes 5-3  
Special Features 1-7  
Special Functions 2-7  
SPF FLAG X-3  
START X-3  
Steps Used to Find Information 2-10  
storage  
    program 4-5  
    scratch/queue 4-5, 4-6  
    session 4-5  
Storage Requirements 4-5, 4-6  
SUBORDINATES X-3  
subschemas 4-4, X-3  
SUBSCHEMA screens 3-18  
SUBSYSTEM X-3  
SUBSYSTEM screens 3-19  
SUBSYSTEMS RELATED TO THIS  
    SUBSYSTEM X-3  
SUBSYSTEMS WHICH THIS IS A RELATED SUB-  
    SYSTEM X-3  
suspending a session 1-8  
SYNONYM X-3  
SYSTEM X-3  
System Requirements 4-4  
SYSTEM screens 3-20  
SYSTEMS RELATED TO THIS SYSTEM X-3

## T

TABLE X-3  
TABLE screens 3-20  
TABLES RELATED TO THIS TABLE X-3  
TABLES WHICH THIS IS A RELATED TABLE X-3  
TASK AND FUNCTION X-3  
terminal type 4-4  
third level 2-5  
TIME STAMP X-3  
TIMES X-3  
Transferring Directly to Any Information Screen  
(Jumping) 2-22  
typical entity basic information screen 3-8

---

typical entity synonym screen 3-9  
typical queries for CA-IDMS/DQF 1-5  
Typical Screens 3-7  
typical second level menu screen 3-8  
typical selection list screen 3-8

## U

UP command 2-7  
UP PF key 2-8  
UPDATED X-3  
USAGE X-3  
USER X-3  
USER DEFINED COMMENT X-3  
USER RESP FOR CREATION X-3  
USER screens 3-21  
USERS RELATED TO THIS USER X-3  
USERS WHICH THIS IS A RELATED USER X-3  
Using the Menus 2-14

## V

valid option combination codes 2-17  
VER X-4

## W

WITHIN CLASS X-4  
WITHIN PANEL X-4



