

CA MICS[®] Resource Management

Document Access Guide

Release 12.9



This Documentation, which includes embedded help systems and electronically distributed materials, (hereinafter referred to as the "Documentation") is for your informational purposes only and is subject to change or withdrawal by CA at any time. This Documentation is proprietary information of CA and may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of CA.

If you are a licensed user of the software product(s) addressed in the Documentation, you may print or otherwise make available a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all CA copyright notices and legends are affixed to each reproduced copy.

The right to print or otherwise make available copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to CA that all copies and partial copies of the Documentation have been returned to CA or destroyed.

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 YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and such license agreement is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is CA.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2014 CA. All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At <http://ca.com/support>, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

Providing Feedback About Product Documentation

If you have comments or questions about CA Technologies product documentation, you can send a message to techpubs@ca.com.

To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at <http://ca.com/docs>.

Contents

Chapter 1: Introduction	7
1.1 Tutorials and Help Panels	9
1.2 Dialog Structure and Flow	10
Chapter 2: Document Browse	13
2.1 Guide Selection	14
2.2 Text Selection	18
2.3 Text Display	26
Chapter 3: Data Element Browse	29
3.1 File Selection	29
3.2 Text Selection	34
3.3 Text Display	40
Chapter 4: Subject Cross Reference	41
4.1 Keyword Selection	42
4.2 Phrase Selection	47
4.3 Text Selection	50
4.4 Text Display	54
Chapter 5: Bookmark List	55
5.1 Text Selection	56
5.2 Text Display	62
Chapter 6: Document Print	63
6.1 Guide Selection	64
6.2 Chapter Selection	68
6.3 Batch Print JCL	71
6.4 Section Printing from Other Functions	73
6.5 HTML Conversion Utility (DOC2HTML)	74
6.5.1 JCL and Options	75
6.5.2 DOC2HTML Output	76

Chapter 7: User Options **79**

Chapter 8: Examples **83**

8.1 Starting CA MICS Document Access84

8.2 Using Document Browse85

8.3 Using Document Print92

8.4 Using Subject Cross Reference96

8.5 Using the Bookmark107

8.6 Using the Tutorial111

8.7 Using the SHOW Command.....114

8.8 Using DOC2HTML119

Chapter 1: Introduction

```
----- CA MICS Document Access -----  
Option ==>  
  
  0 - User Options  
      Interactive and batch execution options  
  1 - Document Browse  
      Browse tables of contents and text of guides  
  2 - Data Element Browse  
      Browse Data Dictionary Elements by component and file  
  3 - Document Print  
      Print a Guide in standard format  
  4 - Subject Cross Reference  
      Locate subjects in the guides by keyword or phrase  
  5 - Bookmark List  
      Review and change the user bookmark file  
  T - Tutorial  
      How to use Document Access  
  X - Exit  
      Terminate Document Access  
  
-----
```

Figure 1-1. Document Access Menu

This guide explains how to use CA MICS Document Access to browse and cross reference documents interactively and to print hardcopy documents.

Document Access is provided as a CA MICS primary menu option. To enter Document Access from the CA MICS Workstation Facility (MWF) primary menu, choose option 1.

Note: Document Access is also available under other dialog options, such as System Administration or MICF. To invoke Document Access from other dialogs, use the DOC primary command. This will temporarily suspend the dialog you were processing and start Document Access. When you end Document Access, you will return to the earlier dialog where you left off.

When you enter Document Access, its menu appears as shown in Figure 1-1. This guide describes the use of each of the options on this menu.

This section contains the following topics:

[1.1 Tutorials and Help Panels](#) (see page 9)

[1.2 Dialog Structure and Flow](#) (see page 10)

1.1 Tutorials and Help Panels

```
Tutorial ----- CA MICS Document Access ----- Tutorial
COMMAND ==>
```

CA MICS Document Access allows you to browse or print any sections from the CA MICS Guides. You may select sections of interest through several views of the guides, such as by table of contents, by database element lists, or through a Subject Cross Reference. A bookmark capability allows you to mark sections of interest for quick reference. The bookmark list can be saved and recalled across ISPF sessions.

Topics presented in sequence or selected by number:

0 - User Options	3 - Document Printing
1 - Document Browse	4 - Subject Cross Reference
2 - Data Dictionary Element Browse	5 - Using the Bookmark

Topics presented only if selected:

G - General Information	I - Tutorial Index
-------------------------	--------------------

Figure 1-2. Document Access Tutorial

Document Access provides an online tutorial, which you can start by selecting option T from the Document Access menu. This tutorial is a brief description of each dialog option, including the available commands and their functions. New users may want to go through the tutorial before using Document Access.

The initial tutorial panel appears as shown in Figure 1-2.

Help panels are also provided from each dialog. If, for example, you are working in Document Browse and need information about what commands can be used, the HELP command or key will bring up a tutorial panel about Document Browse.

Note: If you make an error, such as using an unknown command, Document Access will issue a short message. More information can then be obtained by using the HELP command or key, which displays a longer message. If you need more help, a second HELP command will place you at an appropriate place in the tutorial.

The tutorial and help panels operate under the standard ISPF Help facility. All of the standard commands are available. These include Up, Down, Forward, Backward, End and so on, as documented in the ISPF Help facilities.

1.2 Dialog Structure and Flow

Document Access allows you to retrieve CA MICS documentation using options 1 through 5 on the Document Access menu:

- 1 Document Browse
- 2 Data Element Browse
- 3 Document Print
- 4 Subject Cross Reference
- 5 Bookmark List

Getting the documentation you want is a two-step process. First, you specify the text you want to read by selecting text sections from a contents list. Then you specify whether you want to display it, print it, or bookmark it for future reference.

Figure 1-3 shows the relationship between the content retrieval functions and the output functions of Document Access.

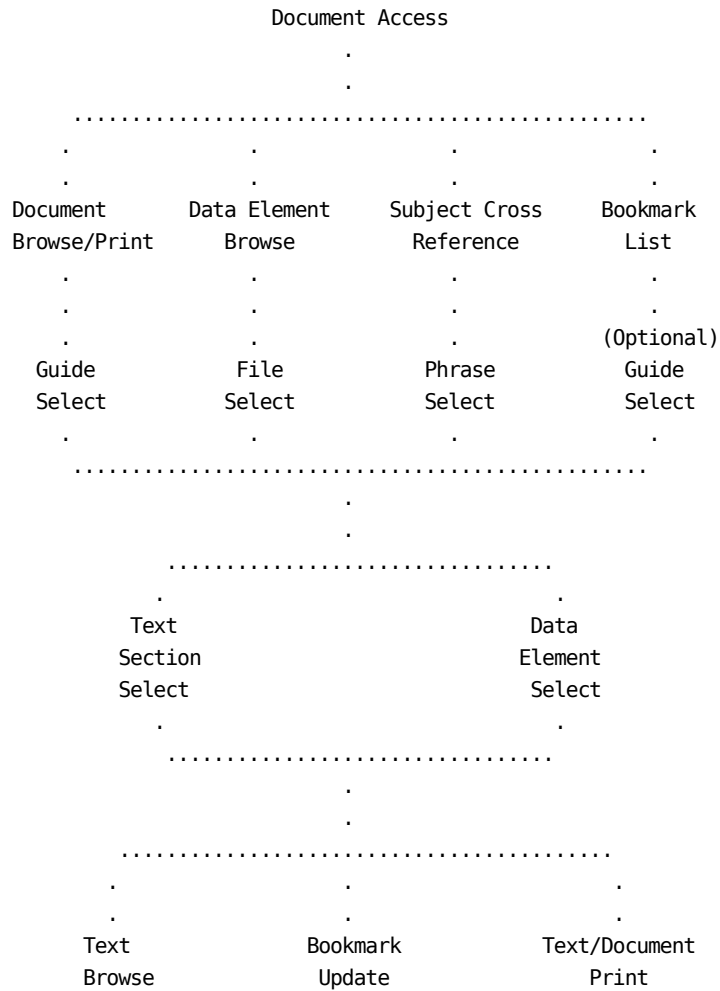


Figure 1-3. Document Access Dialog Structure

Document Access provides a primary option selection for each retrieval function, but also allows you to invoke one function from another. You can, for example, review the Bookmark List or request a Subject Cross Reference search while under any of the other functions. You can also use the Bookmark or Subject Cross Reference options as the starting point for getting to a specific text in Document Browse.

Figure 1-4 shows how the retrieval functions can be used in combination, by requesting the use of one function directly from another.

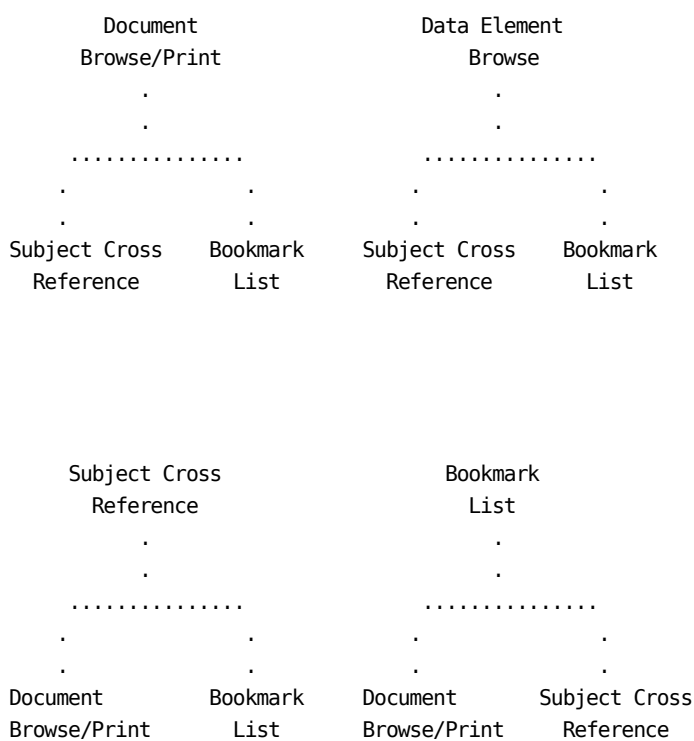


Figure 1-4. Document Access Dialog Switching

Chapter 2: Document Browse

To start Document Browse, enter 1 in the Option field on the Document Access menu panel.

Document Browse lets you select any part of the CA MICS documentation. You start by selecting either types of guides or individual guides. You can then select chapters and specific sections. You can then either browse your selection or print it. You can also mark it for addition to your bookmark list so you can reference it later.

Bookmarking is discussed separately in Chapter 5.

This section contains the following topics:

[2.1 Guide Selection](#) (see page 14)

[2.2 Text Selection](#) (see page 18)

[2.3 Text Display](#) (see page 26)

2.1 Guide Selection

The Guide Selection panel displays the list of document categories and books within document categories. Figures 2-1 and 2-2 show different examples of this panel:

- o Figure 2-1 shows the Guide Selection list as it appears when you select Document Browse. From this panel, you can select a specific guide and display its table of contents. You can also select a guide category if you want to see, for example, only the end-user guides listed.
- o Figure 2-2 is an example of the resulting display after selecting guide category US from the initial list of categories. To reset the display to list all guides and categories, use the Reset (R) primary command, or press the END key.

Instructions on using these panels follow the figures.

```
----- Document Browse - Guide Selection -- ROW 1 to 11 of 41
Command ==>

Volume ==> _____ Levels (n or A) ==> 1
Section ==> _____

Line Cmds: S Select

Cmd  Volume  Title
-  -----  -----
-  .....  ..... Guide Categories .....
-  US      End-User Guides
-  AD      System Administrator Guides
-  DC      Collector Guides
-  AC      Management Support Application Guides
-  DB      Data Integration Application Guides
-  .....  .....
-  SAG     CA MICS System Administrator Guide
-  TDM     CA MICS Application Extension for Tandem Systems Guide
-  RPT     CA MICS Standard Reports Guide
-  AST     CA MICS Application Extension for ASTEX Guide
```

Figure 2-1. Document Browse Guide Selection Panel (initial display)

Choose a guide or guide category for display.
Equivalent to typing the selected guide name or
category in the Volume field.

Only one line should be selected at a time.

PRIMARY COMMANDS - Command ==>

The command field is used to enter primary commands that
control the guide table listing or the selection of a guide
to browse.

L (Locate)

Scroll to the guide named. Since the list is not
alphabetic, only the exact name is searched for.

Example: Locate a guide by name

L SMF (scroll to the SMF entry)

M (bookMark)

Switch the display to the contents of the current
Bookmark List.

R (Reset)

Reset the guide category selection to display all
guides.

S (Select)

Choose a guide or guide category for display.
Equivalent to typing the selected guide name or
category in the Volume field.

Example: Select a guide category

S USER (list all USER Guides)

SC (Subject Cross Reference)

Search for phrases in the guides that contain
specified keywords, or return to previous search
result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword
Selection

SC

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

2.2 Text Selection

The Text Selection Panel displays the list of chapters and sections in the document, starting with the list of chapters. You can control the sections displayed on this panel through line commands and by changing the contents of the entry fields at the top of the panel. You can browse or print text using the appropriate primary or line commands.

When in a section display, to return to the chapter selection display (the table of contents), use the END command or key. To terminate the Text Selection display, use the END command or key again.

Figures 2-3 through 2-5 show different instances of this panel. Instructions on using the panels follow the figures.

```
----- Document Browse - Text Selection ----- ROW 1 OF 298
Command ==>

Volume ==> PIOM                               Levels (n or A) ==> 1
Section ==> _____

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cmds: B Browse  M Mark  P Print  R Reset  S Select

Cmd   Section          Title
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
-   1..... INTRODUCTION
-   2..... Planning for the Installation and Use of CA MICS
-   3..... INSTALLATION
-   4..... OPERATION
-   5..... MAINTENANCE
-   A..... SPECIAL CA MICS PROCESSING
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```

Figure 2-3. Document Browse Text Selection Panel (chapter level)

```
----- Document Browse - Text Selection ----- ROW 1 OF 298
Command ==>

Volume ==> PIOM                      Levels (n or A) ==> A
Section ==> _____

      Volume Name: CA MICS Planning, Install, Operation, Maintenance
Line Cmds: B Browse M Mark P Print R Reset S Select

Cmd      Section      Title
-  -----
-
-  1..... INTRODUCTION
-  2..... Planning for the Installation and Use of CA MICS
-  2.1..... Personnel Assignment and Preparation
-  2.2..... Preparing Your Site for CA MICS
-  2.2.1..... List of Tasks
-  2.2.2..... Resource Planning for CA MICS
-  2.2.2.1..... Computer Resource Requirements
-  2.2.2.2..... DASD Space Requirements
-  2.2.2.3..... Tape Usage Requirements
```

Figure 2-4. Document Browse Text Selection Panel (all levels)

```
----- Document Browse - Text Selection ----- ROW 1 OF 298
Command ==>

Volume ==> PIOM                      Levels (n or A) ==> 1
Section ==> 2

      Volume Name: CA MICS Planning, Install, Operation, Maintenance
Line Cmds: B Browse M Mark P Print R Reset S Select

Cmd      Section      Title
-  -----
-
-  2..... Planning for the Installation and Use of CA MICS
-  2.1..... Personnel Assignment and Preparation
-  2.2..... Preparing Your Site for CA MICS
-  2.3..... CA MICS Installation Planning and Parameter Specification
-  -----
```

Figure 2-5. Document Browse Text Selection Panel (one section)

THE VOLUME FIELD - Volume ==>

The Volume field is used to enter a document short name. You can switch to a different document by entering its name in the Volume field. You can return to the complete list by blanking out the Volume field and pressing Enter.

THE SECTION FIELD - Section ==>

The Section field is used to enter a document section number. When you specify a section number, the sections under that number will appear in a table of contents list. The number of subsection levels in the list depends on the value of the Levels field, as described below.

The S primary or line command is equivalent to an entry in the Section field. Whichever method you use, enter section keys in the same form as they are listed on the display. When you have selected the lowest level of a section, the S command will automatically be converted to a Browse (B) command and browse the selected section.

THE LEVELS FIELD - Levels (n or A) ==>

The Levels field allows you to specify whether all sections beginning with the section key should display, or just the next n levels of sections, where n can be any number from 1 to 8.

Using Levels = n, the section specified and its subordinate sections are listed. In other words, the value of n determines how many levels below the current level are displayed. For example, if you enter section number 2 and Levels = 1, the table of contents entries for Chapter 2 and sections numbered 2.x are listed on the panel, as illustrated in Figure 2-5. Sections 2.x.x are not listed.

The same rules apply when you enter a section number with more than one level. For example, if you enter section 3.2 with Levels = 1, sections 3.2 and 3.2.x are listed. Using Levels = A, all subordinate sections, including 2.x, 2.x.x, 2.x.x.x and so on, are listed. This is illustrated in Figure 2-4. The value specified for Levels is saved in the ISPF user profile when you exit Documentation Access; it is restored upon re-entry. This enables its value to be retained across MWF sessions.

Note: The contents of all of these fields can be changed directly, or you can use the S and R commands to manipulate them automatically. For example, the R command will reset all of these fields.

Pressing the END key or entering the END command while in a chapter display will return to the chapter selection display. Pressing the END key or entering the END command again will return to the guide selection display.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the section list. The valid commands are:

B (Browse)

Browse the text section named on the line.

M (BookMark)

Add the text section named on the line into the current Bookmark List.

P (Print)

Print the text section named on the line. This type of output is an immediate print of the section listed on the line, to SYSOUT=A, or to the print class specified on the User Options panel.

R (Reset)

Reset the values in the entry fields to Levels=1 and use the next highest section level preceding the row selected. This moves the section display to the area of the document where the selected text belongs, showing all the sections at the same level as the selected one.

S (Select)

Change the section level to display. Equivalent to typing the selected section number in the Section field. If a figure or data element row is selected, the section to which it belongs is placed in the Section field.

Multiple sections can be browsed, printed, or marked by entering the appropriate line command on multiple rows of the display, but do not mix different line commands at the same time.

Only select one line at a time.

PRIMARY COMMANDS - Command ==>

The command field is used to enter primary commands that control the table of contents listing or the selection of document sections to browse, print, or mark.

B (Browse)

Browse all the text sections listed on the display. This includes all sections that can be scrolled into the display window, not just the lines that fit on one screen.

F (Find)

Scroll to the next line in the table display that contains the search string in the Title field.

After you have issued the F command with a search argument, you can repeat the find by issuing the F command without an argument.

The range of the F command is determined by the subsetting already in effect on the display panel, starting at the line after the current line. To expand the range to all lines, use the ALL option.

Examples:

Search for "string" starting at the next line of the display. Only consider lines that meet current display subsetting criteria.

F string

Repeat the previous find.

F

Search for "string" starting at beginning of data, and consider all lines. This option automatically changes the values in the entry fields to Levels=A and Section=blank.

F string ALL

L (Locate)

Scroll to the section named.

Example: Locate a section in the display list

L 2.7.3 (scroll to 2.7.3 entry)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

P (Print)

Print all the text sections listed on the display. This includes all sections that can be scrolled into the display window, not just the lines that fit on one screen.

R (Reset)

Reset the values in the entry fields to Levels=1 and drop the last level off the Section field. This moves the section display up one level and shows all immediately subordinate sections.

S (Select)

Change the section level to display. Equivalent to typing the selected section number in the Section field. You can type in an entire section value or just add to the current Section field. The optional second argument is a new value for the Levels field.

Examples: Select a section in the display list

S 2.7.3 (set 2.7.3 entry in the Section field)

S .3 2 (add .3 to the end of the Section field
and set levels to 2)

S . A (set levels to A)

SC (Subject Cross Reference)

Search for phrases in the guides that contain
specified keywords, or return to previous search
result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow the last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword
Selection

SC

SH (SHOW, AND, OR)

Subset the table display to those lines that contain
the search string in the Title field.

After you have issued the SHOW command with a search
argument, you can further define search arguments
using the AND and OR commands. To undo the effects of
the SHOW command, use SH ALL to cancel SHOW.

The range of the SHOW command is determined by the
subsetting already in effect on the display panel. To
expand the range to all lines, use the ALL option.

Examples:

Considering all lines of data, show only lines containing "string." This option automatically changes the values in the entry fields to Levels=A and Section=blank.

SH string ALL

Perform logical AND on previous SHOW and current search of "string."

AND string

Perform logical OR on previous SHOW and current search of "string."

OR string

Within current subset range, show only lines containing string.

SH string

Turn off the SHOW command subsetting.

SH ALL

Tip: You can browse or print the text from your most recent text browse or print by using the keyword LAST after the B or P primary command.

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

2.3 Text Display

```
BROWSE -- XYZ123.TEMP.BROWSE1 ----- LINE 000000 COL 001 080
COMMAND ==>                                SCROLL ==> CSR
***** TOP OF DATA *****
6.1 - Batch User Job Activity File
FILENAME=BATJOBxx
The Batch User Job Activity File contains data
quantifying a user's Batch service (turnaround), load, and
usage for an individual job execution in the DETAIL
Time-Span, and for total usage in the MONTHS and YEARS
Time-Spans.
The following three sections describe the file's
organization, list the data elements maintained, and provide
usage hints.
    1 - File Organization
    2 - Data Elements List
    3 - Usage Considerations
***** BOTTOM OF DATA *****
```

Figure 2-6. Document Browse Text Display Panel

The Text Browse Panel displays the text of the sections that were chosen for browsing. This display is manipulated by the standard ISPF browse commands, such as Up, Down, Find, Locate, and End. These commands and others are documented in the ISPF online help.

There are several ways to display this browse panel:

- o One or more specific sections can be browsed using the Browse (B) line command.
- o All sections listed on the display can be browsed together using the Browse (B) primary command.
- o You may browse the text from your most recent text browse (or print) by using the keyword LAST after the B command.

Tip: The Browse (B) primary command is useful for producing an overview of a large portion of a CA MICS document. To do this, set Levels = 1 and browse from one of the higher-level sections. To produce a detailed segment of a document, select a lower-level section and set Levels = A.

To close the Text Browse display and return to the Text Selection panel, use the END key.

Chapter 3: Data Element Browse

To start Data Element Browse, enter 2 in the Option field on the Document Access menu panel.

Data Element Browse provides for online browsing of the CA MICS data element descriptions in the CA MICS data dictionaries.

Elements are organized into information areas and files. You select an information area, then a file, and finally one or more elements to browse, print, or bookmark.

Bookmarking is described in chapter 6.

This section contains the following topics:

[3.1 File Selection](#) (see page 29)

[3.2 Text Selection](#) (see page 34)

[3.3 Text Display](#) (see page 40)

3.1 File Selection

The Data Element Browse File Selection Panel lists information areas and then files so you can choose a file for data element selection.

First, you choose an information area by entering its name in the Area ==> field of the File Selection panel or by using the S line command on the line of the desired area. This changes the display to a list of files within the selected Information Area, as illustrated in Figure 3-2.

You choose a file by entering its name in the File ==> field or by using the S line command on the line of the desired file. This displays the Element Selection panel, which lists all the elements in the selected file. This is illustrated in Figure 3-3.


```

----- Data Element Browse - File Selection ----- ROW 15 OF 33
Command ==>                                         Scroll ==> PAGE

      Area ==> BAT   File ==>

Line Cmds: A Abstracts  K File Keys  S Select

Cmd  Area File  Name
-   -   -   -
-   BAT  _JS  Batch User Job Suspend File
-   BAT  _ST  System Task Program Activity File
-   BAT  _TS  SMF User TSO Activity File
S   BAT  JOB  Batch User Job Activity File
-   BAT  PGM  Batch User Program Activity File
-   BAT  SPL  Batch User Spool Activity File
-   BAT  WDA  Batch Workload Device Activity File
-   -   -   -

```

Figure 3-2. Data Element Browse File Selection (one information area)

THE AREA FIELD - Area ==>

The Area field is used to enter the short name of an information area. This displays a list of files in that information area. (An information area can also be selected using the S line or primary command.)

While viewing a list, you can switch to a different information area by entering its name in the Area field, or you can return to the complete list by blanking out the Area field and pressing Enter.

THE FILE FIELD - File ==>

The File field is used to enter a 3-character file name. This takes you directly to Data Element Selection. To use this express form of file selection, leave the Area field blank.

Tip: An information area and file combination can be selected using the S primary command.

While viewing a list, you can switch to a different file by entering its name in the File field, or you can return to the complete list by blanking out the File field and pressing Enter.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the file selection list. The valid commands are:

A (Abstracts)

Describes the files in the information area named on the selected row. This command applies to both area and file level rows.

K (Keys)

Display the file sequence and summarization keys for the file named on the selected row. This command applies only to file level rows.

S (Select)

Choose an information area or file for display. Equivalent to typing the selected item name in the Area or File fields.

Only one line should be selected at a time.

PRIMARY COMMANDS - Command ==>

The command field is used to enter primary commands that control the file selection list or the selection of a file to review.

L (Locate)

Scroll to the area or file named, depending on whether the current display is at the information area or at the file level.

Example: Locate an information area

L BAT (scroll to the BAT entry)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

R (Reset)

Reset the file selection list by blanking the area and file fields. This presents you with the initial display of information areas again.

S (Select)

Choose an information area, and optionally, a file. Equivalent to typing the selected names in the area and file fields.

Example: Select an information area and file

S BAT JOB (go directly to element selection)

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords, or return to previous search result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword Selection

SC

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

3.2 Text Selection

```
----- Data Element Browse - Element Selection --- ROW 1 OF 201
Command ==> Scroll ==> PAGE

Area ==> BAT File ==> JOB BATCH USER JOB ACTIVITY FILE

Elements:

Line Cnds: B Browse M Mark P Print S Select

Cmd Element Name
- - - - -
- ACCTN01 DIVISION
- ACCTN02 PROJECT
- ACCTN03 USER
S DAY Day of Month
S DAYNAME Name Of Day Of Week
S ENDTS End Time Stamp
S HOUR Hour Of Day
- JESJOBNO JES Job Number
- JOB Job Identification
- JOBACOMM Communication Data Set Allocations
- JOBACTTM Job Active Time
- JOBADASD DASD Data Set Allocations
- JOBAGRAF Graphics Data Set Allocations
- JOBALCTM Job Allocation Time

-----
```

Figure 3-3. Data Element Browse Element Selection

The Element Selection panel lets you review the alphabetical list of data elements for the file you have selected, and select a subset of dictionary elements you want to browse.

You can scroll through the list of elements using the UP and DOWN keys or you can position the display at a particular point in the list using the L command to locate on element name or name prefix.

Use the S line command on the line of each element entry that you want to browse, until you have built a complete list of elements for browsing, as shown in the Elements field. (You can also select an element by typing an S in the command

field followed by the element name.) Then use the B primary command to browse those elements, one after the other. (Use the DOWN key to go from one element to the next.)

If the data elements already identified are not the ones you want, enter RESET in the command field. This will remove every element from the browse list.

Use the B line command to browse sections directly without building a list.

To return to the File Selection panel to see the complete list of files, blank out the File field and press Enter. You can also change the Area or File fields to see other lists. The fields and commands on the Data Element Browse Element Selection panel are as follows:

THE AREA FIELD - Area ==>

The Area field is used to enter a 3-character information area name. This field is initially entered from the File Selection panel, and can be changed while viewing the element list from the Element Selection panel. You can switch to a different information area by entering its name in the Area field, or you can return to the File Selection list by blanking out the File field and pressing Enter.

THE FILE FIELD - File ==>

The File field is used to enter a 3-character file name.

Tip: To use this express form of file selection (bypassing information area selection), leave the Area field blank.

This field is initially entered from the File Selection panel, and can be changed while viewing the element list from the data element selection panel. You can switch to a different file by entering its name in the file field, or you can return to the complete list by blanking out the File field and pressing Enter.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the data element selection list. The valid commands are:

B (Browse)

Browse the selected data elements immediately.

Equivalent to selecting the items and then requesting the Browse primary command.

M (BookMark)

Add the data element named on the selected row into the current bookmark list.

P (Print)

Print the selected data elements immediately. Equivalent to selecting the items and then requesting the Print primary command. This type of output is an immediate print of the elements selected to SYSOUT=A, or the output class specified on the User Options panel.

S (Select)

Choose a data element to add to the element selection list. This queue of data element names is then used by the Browse or Print primary commands, after all the desired data elements have been selected.

Multiple lines can be selected when using the line commands listed above. However, you should not mix different line commands in the same request.

PRIMARY COMMANDS - Command ==>

The command field is used to enter primary commands that control the data element listing or the selection of elements to browse or print. The valid commands are:

B (Browse)

Browse the descriptions of data elements named on the Elements line. This list is built by the S (select) command.

F (Find)

Scroll to the next line in the table display that contains a given text string in the Name field.

After you have issued the F command with a search argument, you can repeat the find by issuing the F command without an argument.

The range of the F command is determined by the subsetting already in effect on the display panel, starting at the line after the current line. To expand the range to all lines, use the ALL option.

Examples:

Search for "string" starting at next line of display. Only consider lines that meet current display subsetting criteria.

F string

Repeat the previous find.

F

Search for "string" starting at beginning of data, and consider all lines.

F string ALL

L (Locate)

Scroll to the element named. If an exact match is not found, an attempt will be made to scroll to the next available name alphabetically.

Example: Locate a data element by name

L JOBAV (scroll to the first entry beginning with JOBAV or greater)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

P (Print)

Print the descriptions of data elements named on the Elements line. This list is built by the S (select) command. This type of output is an immediate print of the elements selected to SYSOUT=A, or the output class specified on the User Options panel.

R (Reset)

Reset element selection by clearing the elements list.

S (Select)

Choose a data element to add to the element selection list. This queue of data element names is then used by the Browse or Print primary commands, after all the desired data elements have been selected. Equivalent to selecting the element with the select line command.

Example: Add selections to the Elements list.

```
S DAY DAYNAME ENDTS
```

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords, or return to previous search result.

Example: Search for sections using key1 key2 key3

```
SC key1 key2 key3
```

Example: Reshow last search text selection list

```
SC LAST
```

Example: Go to Subject Cross Reference Keyword Selection

```
SC
```

SH (SHOW, AND, OR)

Subset the table display to those lines that contain a given text string in the Name field.

After you have issued the SHOW command with a search argument, you can further define search arguments using the AND and OR commands. To undo the effects of the SHOW command, use SH ALL to cancel SHOW.

Examples:

Considering all lines of data, show only lines containing "string."

```
SH string
```

Perform logical AND on previous SHOW and current search of "string."

AND string

Perform logical OR on previous SHOW and current search of "string."

OR string

Turn off the SHOW command subsetting.

SH ALL

Tip: You can browse or print the text from your most recent element browse or print by using the keyword LAST after the B or P primary command.

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

3.3 Text Display

```
BROWSE -- XYZ123.TEMP.BROWSE1 ----- LINE 000000 COL 001 080
COMMAND ==>                                SCROLL ==> CSR
***** TOP OF DATA *****
+-----+
| D A Y           | Day of Month
+-----+
The calendar day of the month, a number from 1 to 31.

TYPE: Common, retained - Numeric, measurement unit is
integer.

SEE ALSO:  ENDTS - End Time Stamp

CA MICS DERIVATION: DAY is derived from the standard CA MICS
time-stamp field ENDTS.

If the 13MONTHYEAR option of MICS.PARMS(SITE) is used to
define your fiscal year as having 13 months of 28 days each,
then the value of DAY is set according to how many days from
the beginning of one of the thirteen "months" the day
represented by ENDTS falls.

For example, if your fiscal year is specified as starting on
July 1, then July 28 is DAY=28 of MONTH=01, while July 29 is

-----
```

Figure 3-4. Data Element Text Browse

The Text Browse panel displays the text of the sections that were chosen for browsing. This display is manipulated by the standard ISPF Browse commands such as UP, DOWN, FIND, LOCATE, and END. These commands and others are documented in the ISPF online help.

Chapter 4: Subject Cross Reference

To start Subject Cross Reference, enter 3 in the Option field on the Document Access menu panel.

The Subject Cross Reference function of Document Access lets you locate sections of the CA MICS documentation that contain references to key words or phrases. This view of the CA MICS documentation is by subject matter, across all guides and dictionary elements.

You can request a subject cross reference for up to three keywords. Lists of related phrases and document sections are then displayed, and you select the reading material you want. You can then browse it, print it, or bookmark it for future reference.

Bookmarking is discussed in Chapter 5.

This section contains the following topics:

[4.1 Keyword Selection](#) (see page 42)

[4.2 Phrase Selection](#) (see page 47)

[4.3 Text Selection](#) (see page 50)

[4.4 Text Display](#) (see page 54)

4.1 Keyword Selection

The Keyword Selection panel is displayed when you select option 4, Subject Cross Reference, from the Document Access primary menu. It presents a scrollable list of key words used in the CA MICS documentation.

You can scan for word strings or specific words using Find and Locate commands:

- o The F (Find) command narrows down the words in the list to those that start with the letters you type after F. For example, F SMF will display all words that begin with SMF.
- o The L (Locate) command moves you down the list so that the letters you specify after L appear at the top of the list. For example, L SMF will scroll you to that point in the keyword vocabulary where SMF occurs in alphabetical order. (Note that Locate operates within the range defined by the Find command, if it has previously been issued.)

When you select the keywords you are interested in and type the SC primary command, you see a list of phrases from the text that use those keywords in some combination. From that display you can select the phrases you want to look up in the text.

Note: You can select two or three keywords instead of just one, but if they are not all found together in the text, the list of phrases will be empty.

The other way to initiate a search is to use the SC command from any of the Document Access panels, specifying the keywords of interest following the command. For example,

Command====> SC PRIMARY COMMAND

You would then see key phrases from the text that use the specific word "primary" with the word "command."

Note: Uppercase/lowercase is ignored.

```
----- Subject Cross Reference - Keyword Selection - ROW 1 OF 4512
Command ==>                                         Scroll ==> PAGE
```

```
Keywords ==> _____ ==> _____ ==> _____
```

Use the SC primary command, after choosing keywords, to begin search.

Line Cmds: S Select

Cmd	Vocabulary	Count
-	-----	----
-	ABBREVIATIONS	1
-	ABEND	21
-	ABENDS	12
-	ABNORMAL	9
-	ABORT	5
-	ABORTED	2
-	ACCEPTED	4
-	ACCESS	52
-	ACCESSES	2
-	ACCOUNT	127
-	ACCOUNTABILITY	4
-	ACCOUNTING	275

Figure 4-1. Subject Cross Reference Keyword Selection

```
THE KEYWORD FIELDS - Keywords ==>    ==>    ==>
```

The Keyword fields are used to enter search words that identify the subject you wish to look up in the text. The words you request are matched against the keyed subject phrases from the documentation. Phrases containing all of the keywords you request are then listed on the Phrase Selection panel. These fields are equivalent to the arguments specified with the SC primary command.

LINE COMMANDS

Line commands are entered to the left of one or more rows in the vocabulary list. The valid commands are:

S (Select)

Add the selected keyword to the next available Keyword field. Equivalent to typing the selected word in the Keyword field.

PRIMARY COMMANDS - Command ==>

The Command field is used to enter primary commands that control the vocabulary listing or begin the keyword searching process.

F (Find)

Display all keywords in the vocabulary that match the find argument.

Example: Find a word prefix

F JCL (show all keywords that begin with "JCL")

Use the R (Reset) command to return to the full vocabulary list.

L (Locate)

Scroll to the keyword named. If the exact word is not in the vocabulary, the next word in the list (alphabetically) is located.

Example: Locate a keyword in the display list

L J (scroll to the words that begin with "J")

Locate operates within the range defined by the F (Find) command, if it has previously been issued.

LAST

Display the previous phrase selection list, if a previous cross reference search has been run during the current session.

M (bookMark)

Switch the display to the contents of the current Bookmark List.

R (Reset)

Remove the previous find argument selection and return to the full vocabulary list. This will reposition the display at the beginning of the vocabulary list.

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Search for words in the Keywords fields

SC

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

```
----- Subject Cross Reference - Keyword Review -----  
Command ==>  
  
Keywords : USER           :           :  
  
You have requested a search that will result in the retrieval of 00000506  
phrases.  If this is more information than you wish to process, you may  
terminate this search now and request a new search with more specific  
criteria.  
  
Press ENTER to CONTINUE search using Keywords list above  
Press END to TERMINATE this search and re-specify Keywords list
```

Figure 4-2. Subject Cross Reference Warning Panel

This warning panel is displayed, after you enter a search request, if the list of phrases to be retrieved is very large. This panel is meant to prevent an expensive search that yields too much information.

For example, words like DATA or USER appear frequently throughout the documentation. The number of phrases that satisfy such an argument could be in the hundreds or thousands. In turn, each of these phrases might be used in multiple sections. Such a result is normally too massive to be of any use, and will consume a large amount of CPU time to produce.

Therefore, if you receive this warning, consider a more specific request. Try to narrow the subject by qualifying it with another more specific keyword.

4.2 Phrase Selection

```

----- Subject Cross Reference - Phrase Selection -- ROW 1 OF 11
Command ==> Scroll ==> PAGE

Line Cnds: D Delete  S Select

Cmd  Hits  Phrase
-  -----
-      1  CHANGE SAS LOAD LIBRARY
-      2  CREATE SAS LIBRARY
-      1  SAS DATA LIBRARIES
-      2  SAS HELP LIBRARY
-      1  SAS LIBRARIES
-      2  SAS LIBRARY MAINTENANCE
-      1  SAS LOAD LIBRARY
-      2  SAS PRODUCT LOAD LIBRARY
-      1  SAS SUPPLEMENTAL LIBRARY
-      3  SEPARATE SAS LIBRARY
-      4  SPECIAL SAS LIBRARY
-  -----
-----

```

Figure 4-3. Subject Cross Reference Phrase Selection

The Phrase Selection panel shows you the result of a subject cross reference search. It is displayed when you select keywords on the Keyword Selection panel and type SC in the Command field.

The Hits column tells you how many text sections contain a reference to each phrase listed.

Use the S line command to select the phrases that you want to look up in the text. Those phrases and a description of the guide and section they appear in will be listed on the Subject Cross Reference Text Selection panel, as illustrated in Figure 4-4. From the Text Selection panel you can browse or print text.

To select all the phrases displayed, use the S primary command.

LINE COMMANDS

Line commands are entered to the left of one or more rows of

the phrase list. The valid commands are:

D (Delete)

Delete the phrase indicated by the line command; this eliminates phrases that are of no interest.

S (Select)

Select the phrases that are of interest, in order to see a list of text sections that use each selected phrase.

Multiple phrases can be selected at one time. When you return to this display, after reviewing the titles under text selection, the phrases you have already selected will be marked with an asterisk.

PRIMARY COMMANDS - Command ==>

The Command field is used to enter primary commands that control the phrase selection listing or the choice of phrases for text selection.

F (Find)

Display all phrases in the list that match the find argument.

Example: Find phrases containing a word or string

F JCL (show all phrases that contain JCL)

Use the R (Reset) command to return to the full phrase list.

L (Locate)

Scroll to the first phrase (alphabetically) beginning with the locate argument string.

Example: Locate a phrase in the display list

L J (scroll to the phrases that begin with J)

Locate operates within the range defined by the F (Find) command, if it has previously been issued.

LAST

Display the previous text selection list, if a previous cross reference search has been run during the current session.

M (bookMark)

Switch the display to the contents of the current Bookmark List.

R (Reset)

Remove the previous find argument selection and return to the full phrase list. This will reposition the display at the beginning of the phrase list.

S (Select)

Select all phrases currently available on the display, and begin the text selection display. Equivalent to typing S line command on all the phrases that you could scroll to on the display. If Find is in effect, then only those phrases that match the find criteria are selected.

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

4.3 Text Selection

```
----- Subject Cross Reference - Text Selection ----- ROW 1 OF 2
Command ==>                                         Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

      Volume Name:

Line Cnds: B Browse  D Delete  M Mark  P Print  S Select

Cmd  Guide  Section  Title
- - - - -
_  PIOM  2.3.1.6.2..... Database Complex Library Definitions
                        xref: SAS HELP LIBRARY
_  PIOM  2.3.3.2.1.2..... Library Definitions
                        xref: SAS HELP LIBRARY
- - - - -
-----
```

Figure 4-4. Subject Cross Reference Text Selection

The Subject Cross Reference Text Selection panel is displayed after phrases are selected on the Phrase Selection panel. This panel lists the sections containing the phrases of interest so you can browse (B) or print (P) them. Sections can be bookmarked (M) from this panel also.

Tip: If you want to limit the sections listed to one guide, enter its short name (like PIOM) in the Volume field and press Enter.

To return to the phrase list, use the END command or key. The Phrase Selection panel will indicate the phrases you have already looked up by marking them with a highlighted asterisk. You can then select other phrases for text lookup, or end the current search and return to the display from which you began Subject Cross Reference.

THE VOLUME FIELD - Volume ==>

The Volume field is used to enter a document short name, like the name entered on the Document Browse Guide Selection Panel. This limits the display to a specific guide. To remove the volume selection effect, blank out the Volume field and press enter.

THE SECTION FIELD - Section ==>

The Section field is used to enter a document section number, just as in Document Browse. When you specify a section number, only the sections under that number will appear in a table of contents on the lower part of the panel. The number of subsection levels in the display list depends on the value of the Levels field described below, which is normally set to A for this type of display.

Note: From the Subject Cross Reference Text Selection panel, the S line command is NOT equivalent to an entry in the Section field. This command is used for browsing text selections in context, as discussed under the line command descriptions.

THE LEVELS FIELD - Levels (n or A) ==>

The Levels field allows you to specify whether all sections beginning with the section key should display, or just the next 1 to n levels of sections under the key should display, where n can be any number from 1 to 8. This field is normally set to Levels = A for subject text selection.

Note: The contents of these fields can be changed directly, or you can use the S and R commands to manipulate them automatically. For example, the R command will reset all of these fields.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the section list. The valid commands are:

B (Browse)

Browse the text section named on the line.

D (Delete)

Delete the section entry indicated by the line command; this eliminates sections that are of no interest.

M (BookMark)

Add the text section named on the line into the current Bookmark List.

P (Print)

Print the text section named on the line. This type of output is an immediate print of the section to SYSOUT=A.

S (Select)

Invoke the standard Document Browse dialog as if the volume and section selected had been entered in the equivalent Document Browse fields. This command allows you to see the section you have selected, in the context of the full table of contents that it came from.

Multiple sections can be browsed, printed, or marked by entering the appropriate line command on multiple rows of the display. Only one line should be selected for entering Document Browse in context.

PRIMARY COMMANDS - Command ==>

The Command field is used to enter primary commands that control the text selection listing or the selection of document sections to browse, print, or mark.

B (Browse)

Browse all the text sections listed on the display. This includes all sections that can be scrolled into the display window, not just the lines that fit on the screen.

L (Locate)

Scroll to the guide named. Since the list is not in alphabetical order, only the exact name is searched for.

Example: Locate the first entry for a guide

L MOD (scroll to the MOD guide entries)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

P (Print)

Print all the text sections listed on the display. This includes all sections that can be scrolled into the display window, not just the lines that fit on the screen.

R (Reset)

Reset the display by clearing the Volume and Section fields, and setting Levels back to A.

S (Select)

Select a Volume and optionally a Section value for the entry fields. Equivalent to typing these entries into the fields directly.

Example: Limit the display to the PIOM Guide chapter 2 (if any such entries are present)

S PIOM 2 (display sections in this category only)

Note: You can browse or print the text from your most recent text browse or print by using the keyword LAST after the B or P primary command.

4.4 Text Display

```
BROWSE -- XYZ123.TEMP.BROWSE1 ----- LINE 00 00000 COL 001 080
COMMAND ==>                                SCROLL ==> CSR
***** TOP OF DATA *****
```

2.3.1.6.2 - Database Complex Library Definitions

Library definitions supply the fully-qualified data set names and other information needed to define the procedure, SAS, sort, and ISPF libraries associated with the database complex.

The ISPxLIBn definitions are used to supply the data set names of your installation's IBM ISPF and ISPF/PDF product libraries. The FINDISPF program has been supplied to assist you in determining the correct names to specify for these definitions. From the TSO COMMAND PROCESSOR panel (usually ISPF/PDF Option 6) issue the following command:

```
CALL 'sharedprefix.MICS.LOAD(FINDISPF)'
```

This command displays the exact parameters that you need to specify for the ISPxLIBn definitions that follow:

Figure 4-5. Subject Cross Reference Text Display

This panel is displayed when you request browsing of one or more text sections from the titles displayed on the Text Selection panel, as shown in Figure 4-4. This panel displays the actual document text online.

This display is manipulated by the standard ISPF Browse commands such as UP, DOWN, FIND, LOCATE, and END, documented in the online help.

Chapter 5: Bookmark List

To see the Bookmark List, enter 5 in the Option field on the Document Access menu panel.

CA MICS Document Access allows you to select any section listed on a text selection display panel for retention in a Bookmark list. This list is a user-defined, cross-sectional view of the documentation, used to mark places of interest in the documentation for quick reference. It lets you enter Document Browse from an alternative starting point instead of from the standard tables of contents normally shown.

The Bookmark List is built using the M (Mark) command during Document Browse, Data Element Browse, and Subject Cross Reference. It is not cleared unless an explicit request is given. Use the D (Delete) line command to delete an item that has been saved.

The Bookmark List is saved for you automatically when you exit from Document Access. If you want, you can save the list during a long session, for recovery purposes, should the session end prematurely. To save your bookmark list, issue the SAVE primary command from the Bookmark Text Selection panel.

Each time you invoke Document Access under a new ISPF session, the Bookmark List is restored as of the last save. The Bookmark List is saved in your MICS.USER.TABLES library.

This section contains the following topics:

[5.1 Text Selection](#) (see page 56)

[5.2 Text Display](#) (see page 62)

5.1 Text Selection

```

----- Bookmark - Text Selection ----- ROW 1 OF 5
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

      Volume Name:

Line Cnds: B Browse  D Delete  P Print  S Select

Cmd Vol/File      Section      Title
- - - - -
S  PIOM           2.3.3..... CA MICS JCL Planning and Parameters
                          Marked from Document Browse
_  PIOM           4.3.11..... Abend Codes and Corrective Action
                          Marked from Document Browse
_  PIOM           4.3.9..... CA MICS Dnames
                          xref: JOB XREF
_  TSOTSU         SYSID..... System Identifier
                          Marked from Element Browse
_  PIOM           3.3.1..... Create SAS Library for CA MICS
                          xref: SEPARATE SAS LIBRARY
- - - - -

```

Figure 5-1. Bookmark Text Selection

The Bookmark Text Selection panel allows you to review the guide sections you have marked from other text selection panels. The display initially shows all marked sections.

The Bookmark Text Selection panel is very similar to the standard Document Browse Text Selection panel, except that you can view sections from multiple guides at one time. You can switch to Document Browse by using the S line command on the line of the desired section, as illustrated in Figure 5-1. This displays the Document Browse Text Selection panel, so you can see the contents of the selected guide at the section level you have chosen. This is illustrated in Figure 5-2.

You can limit the display to a single guide by entering the short name of the volume in the Volume ==> field. You can also limit the display by entering chapter and section

numbers in the Section==> field.

To browse sections directly from this display, use the B line command, as illustrated in Figure 5-3.

```

----- Document Browse - Text Selection ----- ROW 121 OF 359
Command ==>                                     Scroll ==> PAGE

Volume ==> PIOM                                  Levels (n or A) ==> 1
Section ==> 2.3.3

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cnds: B Browse  M Mark  P Print  R Reset  S Select

Cmd      Section      Title
- -----
- 2.3.3..... CA MICS JCL Planning and Parameters
- 2.3.3.1..... JCLGEN Process Flow
- 2.3.3.2..... Standard JCLGEN Parameters
- 2.3.3.3..... JCLGEN Parameters for Special Requirements
- -----
-----

```

Figure 5-2. Bookmark Entry to Document Browse

To return to the Bookmark Text Selection panel, enter the M primary command.

```

----- Bookmark - Text Selection ----- ROW 1 OF 5
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

      Volume Name:

Line Cnds: B Browse  D Delete  P Print  S Select

Cmd Vol/File      Section      Title
- - - - -
_  PIOM           2.3.3.....  CA MICS JCL Planning and Parameters
                          Marked from Document Browse
_  PIOM           4.3.11..... Abend Codes and Corrective Action
                          Marked from Document Browse
_  PIOM           4.3.9.....   CA MICS Dnames
                          xref: JOB XREF
_  TSOTSU        SYSID.....   System Identifier
                          Marked from Element Browse
B  PIOM           3.3.1.....   Create SAS Library for CA MICS
                          xref: SEPARATE SAS LIBRARY
- - - - -
-----

```

Figure 5-3. Bookmark Text Selection Re-display

THE VOLUME FIELD - Volume ==>

The Volume field is used to enter a document short name, like the name entered on the Document Browse Guide Selection panel. While viewing the document sections from the text selection panel, you can subset the display to a specific volume by entering its name in the Volume field. To remove the volume selection effect, blank out the Volume field and press enter.

THE SECTION FIELD - Section ==>

The Section field is used to enter a document section number, just as in Document Browse. When you specify a section number, only the sections under that number will appear in a

table of contents on the lower part of the panel. The number of subsection levels in the display list depends on the value of the Levels field described below, which is normally set to A for this type of display.

Note: From the Bookmark Text Selection panel, the S line command is NOT equivalent to an entry in the Section field. This command is used for browsing a text selection in context, as discussed under the line command descriptions.

THE LEVELS FIELD - Levels (n or A) ==>

The Levels field allows you to specify whether all sections beginning with the section key should display, or just the next 1 to n levels of sections under the key should display, where n can be any number from 1 to 8.

This field is fully described under Document Browse, and is normally set to Levels = A for subject text selection display. The value specified for Levels is saved in the ISPF user profile when you exit Documentation Access and restored upon reentry. This enables its value to be retained across MWF sessions.

Note: The contents of these fields can be changed directly, or you can use the S and R commands to manipulate them automatically. For example, the R command resets all of these fields.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the section list. The valid commands are:

B (Browse)

Browse the text section named on the line.

D (Delete)

Delete a line from the Bookmark list.

P (Print)

Print the text section named on the line. This type

of output is an immediate print of the section to
SYSOUT=A.

S (Select)

Invoke the standard Document Browse dialog as if the volume and section selected had been entered on the equivalent Document Browse fields. This command allows you to see the section you have selected, in the context of the full table of contents that it came from.

Multiple sections can be browsed, printed, or deleted by entering the appropriate line command on multiple rows of the display. Only one line should be selected for entering Document Browse in context.

PRIMARY COMMANDS - Command ==>

The Command field is used to enter primary commands that control the text selection listing or the selection of document sections to browse or print.

B (Browse)

Browse all the text sections listed on the display. This includes all sections that could be scrolled into the display window, not just the lines that fit on one screen.

L (Locate)

Scroll to the guide named. Since the list is not in alphabetical order, only the exact name is searched for.

Example: Locate the entries for a guide

L MOD (scroll to the MOD guide entries)

P (Print)

Print all the text sections listed on the display. This includes all sections that could be scrolled into the display window, not just the lines that fit on one screen.

R (Reset)

Reset the display by clearing the Volume and Section fields and set levels back to A.

S (Select)

Select a Volume and optionally a Section value for the entry fields. Equivalent to typing these entries into the fields directly.

Example: Limit the display to the PIOM Guide chapter 2 (if any such entries are present)

S PIOM 2 (display sections in this category only)

SAVE

Save the current Bookmark list to disk

SORT

Sort the current Bookmark in Volume and Section order.

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords, or return to previous search result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword Selection

SC

Note: You can browse or print the text from your most recent text browse or print by using the keyword LAST after the B or P primary command.

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these

scrolling commands allow you to move through the entire list.

5.2 Text Display

```
BROWSE -- XYZ123.TEMP.BROWSE1 ----- LINE 00000000 COL 001 080  
COMMAND ==>                               SCROLL ==> CSR  
***** TOP OF DATA *****
```

2.3.1.6.2 - Database Complex Library Definitions

Library definitions supply the fully-qualified data set names and other information needed to define the procedure, SAS, sort, and ISPF libraries associated with the database complex.

The ISPxLIBn definitions are used to supply the data set names of your installation's IBM ISPF and ISPF/PDF product libraries. The FINDISPF program has been supplied to assist you in determining the correct names to specify for these definitions. From the TSO COMMAND PROCESSOR panel (usually ISPF/PDF Option 6) issue the following command:

```
CALL 'sharedprefix.MICS.LOAD(FINDISPF)'
```

This command displays the exact parameters that you need to specify for the ISPxLIBn definitions that follow:

Figure 5-4. Bookmark Text Display

The Text Browse Panel displays the text of the sections that were chosen for browsing. This display is manipulated by the standard ISPF Browse commands such as UP, DOWN, FIND, END, and LOCATE. These commands and others are documented in the ISPF online help.

Chapter 6: Document Print

To start Document Print, enter 3 in the Option field on the Document Access menu panel.

If you are authorized access to Document Print by the system administrator, you can request a printout of a document. Guide and chapter selection panels are available. You select the guides, chapters, or appendixes you want to print using the P (Print) line command. Your selections are processed by a batch job, which is submitted when you type P.

Note: When sections of text are listed on a Text Selection panel during Document Browse or another Document Access function, you can choose them for printing to SYSOUT. This is described later in this chapter under Section Printing from Other Functions.

This section contains the following topics:

[6.1 Guide Selection](#) (see page 64)

[6.2 Chapter Selection](#) (see page 68)

[6.3 Batch Print JCL](#) (see page 71)

[6.4 Section Printing from Other Functions](#) (see page 73)

[6.5 HTML Conversion Utility \(DOC2HTML\)](#) (see page 74)

6.1 Guide Selection

```
----- Document Print - Guide Selection ----- ROW 1 OF 24
Command ==>                                     Scroll ==> PAGE

Volume ==> _____

Line Cnds: P Print  S Select  C Convert to HTML

Cmd  Volume  Title
-  - - - - -  - - - - -
-  .....  ..... Guide Categories .....
-  US      End-User Guides
-  AD      System Administrator Guides
-  DC      Collector Guides
-  AC      Management Support Application Guides
-  DB      Data Integration Application Guides
-  .....  .....
-  TDM     CA MICS Application Extension for Tandem Systems Guide
-  SAG     CA MICS System Administrator Guide
-  AST     CA MICS Application Extension for ASTEX Guide
-  RPT     CA MICS Standard Reports Guide
-  SC      CA MICS Database Structure and Content Guide
-  PSPH    CA MICS "How to Use PSP" Guide
-  - - - - -  - - - - -
```

Figure 6-1. Document Print Guide Selection

The Document Print Guide Selection panel allows you to review the list of guides available. You can control the list of guides displayed on this panel through primary or line commands, or by changing the contents of the Volume ==> field. When you select or enter a guide category, the displayed list changes to just the guides in that category.

Note that you can select a guide category to narrow down the list of guides displayed, but the Print command only applies to individual guides.

Figure 6-1 shows the initial display when Document Print is requested.

THE VOLUME FIELD - Volume ==>

You can choose a guide for chapter printing by entering the short name of the volume in the Volume field of the Guide

Selection Panel. This displays the Chapter Selection Panel, illustrated in Figure 6-2, where you see the chapter level contents of the selected guide.

The S primary command, the S line command, and the Volume field are all equivalent. They all display the Chapter Selection panel.

Note: While viewing the table of contents from the Chapter Selection panel, you can switch to a different volume by entering its name in the Volume field, or you can return to this Guide Selection list by blanking out the Volume field and pressing enter.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the guide list. The valid commands are:

P (Print)

Print the entire guide in standard document format.

S (Select)

Select a guide for chapter printing. Equivalent to typing the selected guide name in the Volume field. Only one guide can be selected at a time.

C (Convert to HTML)

Convert the entire guide to HTML format, if the prerequisites described in section 4.8 of the PIOM are met.

Note: This conversion feature will be implemented in a future release.

To print only a selected chapter of a guide, first select the guide to see the chapter list and then use the P line command on the desired chapters.

PRIMARY COMMANDS - Command ==>

The Command field is used to enter primary commands that control the guide table listing or the selection of guides to print. The valid commands are:

L (Locate)

Scroll to the guide named. Since the list is not alphabetic, only the exact name is searched for.

Example: Locate the DB2 Guide in the display list

L DB2 (scroll to DB2 entry)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

R (Reset)

Reset guide category selection to all guides

S (Select)

Select a guide to print. Equivalent to typing the selected guide in the Volume field.

Example:

S USER (list all USER Guides)

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords, or return to previous search result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword Selection

SC

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the

display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

6.2 Chapter Selection

```
----- Document Print - Chapter Selection ----- ROW 1 OF 415
Command ==>                                     Scroll ==> PAGE

          Volume Name: CA MICS Database Structure and Content Guide

Line Cnds: P Print          Use END primary command to continue, or CAN to cancel.

Cmd      Chapter          Title
-  -----
P  1..... Database
P  2..... Administrative Information Area Files
-  4..... Hardware Utilization Information Area Files
-  5..... MVS SCP Information Area Files
- 10..... System Reliability Information Area Files
- 12..... Accounting Information Area Files
- 14..... VCA Information Area Files
- 35..... USER COMPONENTS
-  -----
-----
```

Figure 6-2. Document Print Chapter Selection

You can select chapters for printing, instead of printing the entire guide. The Chapter Selection Panel allows you to review the chapter table of contents of the guide you have selected, as indicated in the Volume field.

The P line command selects the chapters you want to include in the guide print job. You can scroll the list of chapters, and select as many chapters as you wish. When the END command is entered, all selected chapters will be included in a single guide print job. A single book of selected chapters will be produced.

If you have selected chapters that you really don't want to print, use the CAN command to skip printing the guide or use the R command to reset the display and start chapter selection over again.

Figure 6-2 requests printing of Chapters 1 and 2 of the CA MICS Database Structure and Content Guide.

LINE COMMANDS

Line commands are entered to the left of one or more rows of the chapter list. The valid commands are:

P (Print)

Print the selected chapter as part of the guide print job.

Multiple chapters can be printed by entering the appropriate line command on multiple rows of the display.

PRIMARY COMMANDS - Command ==>

The command field is used to enter primary commands that control the chapter contents listing. The valid commands are:

CAN (Cancel)

Cancel Chapter Selection - don't print anything

L (Locate)

Scroll to the chapter named.

Example: Locate a chapter in the display list

L 10 (scroll to chapter 10)

M (bookMark)

Switch the display to the contents of the current Bookmark List.

R (Reset)

Reset the display by clearing all chapter selections, and restart selection.

SC (Subject Cross Reference)

Search for phrases in the guides that contain specified keywords, or return to previous search result.

Example: Search for sections using key1 key2 key3

SC key1 key2 key3

Example: Reshow last search text selection list

SC LAST

Example: Go to Subject Cross Reference Keyword Selection

SC

Other acceptable primary commands are the standard ISPF PF keys and Command Table commands, like Up and Down. If the display list is too long to fit on one screen, these scrolling commands allow you to move through the entire list.

6.3 Batch Print JCL

```

----- Document Access - Job Submission -----
Command ==>

Job to Submit: Print the CA MICS Database Structure and Content Guide

    User Name ==> User name for XYZ123
    Print Copies ==> 1
    UCASE Option ==> _ (Y, N, or blank for default)

    Print Class ==> _____
    (Leave blank for default. Overrides MICSDOC PROC parameter DOCOUT)

Job Statement Information:
-----
==> //XYZ123XX JOB (ACCT-INFO),'CA MICS DOC JOB',
==> //          TIME=1,MSGCLASS=A,NOTIFY=XYZ123
==> //*
==> //*

Use SUB Command to Submit Job
Use END Command to Bypass Job Submit

Use E or EDIT Command to Edit JCL and then Manually Submit Job
-----

```

Figure 6-3. Document Print Job Submission

The Document Access Job Submission Panel, as shown in Figure 6-3 above, allows you to specify the information needed to complete the JOB statement, JES parameters, and other printing specifications for running a MICSDOC print of the documents selected in the Print request. Modify it to fit your needs. If you press ENTER, the panel information is updated and redisplayed. It is saved across logon sessions.

USER NAME

The user name field defaults to the value specified on the User Options panel.

PRINT COPIES

If you want to print more than one copy of the requested documentation, specify the number of copies desired. Be careful not to specify multiple copies in both this field and in the JOB statement information.

UCASE OPTION

The UCASE option field is normally left blank. Use this field to override the default value in the MICSDOC PROC. If you specify Y, CASE=UCASE is forced and the documentation is printed in uppercase only. The option to specify N is provided for overriding a site default of uppercase in the MICSDOC procedure.

PRINT CLASS

The Print Class information is normally left blank, which allows the default output characteristics in the MICSDOC procedure to remain in effect. The default information is established when MICSDOC is generated, using the DOCUMENT parameter in sharedprefix.MICS.PARMS(JCLDEFC). To override the default, specify the Print Class information on the Job Submission panel, like this:

Print Class ==> A

To override the entire output statement parameter area (REPORT DD) rather than just the SYSOUT class, use:

Print Class ==> A),CHARS=GT12 ,

The trailing blank and comma causes the DD statement parameters in the PROC to be treated as JCL comments. The information supplied in the Print Class field replaces the JCL.

JOB SUBMISSION

To submit the print job directly from this panel, issue the SUB command; or you can edit the JCL to be submitted, and issue the SUB command from the edit panel. To edit the JCL before submission, issue the E (or EDIT) primary command.

Use END to submit the job or CANCEL to skip job submission.

6.4 Section Printing from Other Functions

When sections of text are listed on a Text Selection panel, you can choose one or more sections for printing. These selected sections are printed in the same order and format that you would see if browsing the material online:

- o The P Primary Command prints all sections under the current display criteria.
- o The P Line Command prints the individually selected sections.

The selections are copied to SYSOUT for printing. The SYSOUT specifications are determined from the User Options Panel definitions for section printing, and include class, destination, forms number, character tables for the 3800 printer, and so on, as described fully in Chapter 7.

Note: To print the documentation most recently browsed, use the Print (P) primary command with the LAST option, like this:

```
Command ==> P LAST
```

This writes the contents of the text browse file to the print output file. For example, during Document Browse, you selected several text sections for online text browsing, and having read the text under ISPF browse, you now want a printout of that text. After you end text browse, just issue P LAST from the text selection command field.

Additional information about section printing is provided with the description of the Print command for each of the Document Access features described in the other chapters of this guide.

6.5 HTML Conversion Utility (DOC2HTML)

The HTML Conversion Utility (DOC2HTML) is used to create documents in HTML format. The HTML output is called CA MICS Documentation Web View.

Note: To use this utility, you must follow all the prerequisites described in the PIOM, section 4.8, including setting up the CA MICS Root Directory.

The job in `sharedprefix.MICS.CNTL(DOC2HTML)` executes the HTML Conversion Utility.

The following sections describe DOC2HTML:

- 1 - JCL and Options
- 2 - DOC2HTML Output

6.5.1 JCL and Options

The following is an example of DOC2HTML JCL:

```
// . . . . JOB . . . .  
//HTMLCVRT EXEC MICSDOCH,  
//      SYSPARM='options_string'  
//
```

where options_string is the DOC2HTML processing options:

o Guide=guide_list

Specifies which CA MICS guides are to be converted to HTML. guide_list contains either the guide name (for example, PIOM) or the one- or two-character guide id (for example, L).

If ALL is specified, then all guides are converted.

o CAT=category_list

Requests that all guides in specified category be printed. The two-character category id can be found in the CA MICS Document Guides report shown in Figure 6-4.

If ALL is specified, then all guides are converted.

o COMP=component_list

Specifies all CA MICS guides associated with a particular CA MICS component (e.g., ACT) be printed.

If ALL is specified, then all guides in all categories are converted.

o DIC=Y or N

Controls the conversion of CA MICS Data Dictionary entries in the HTML guides. By default, this option is set to 'N' (no conversion).

Note: Activating this option can significantly increase the amount of space required to store converted documents.

Note: Options are case sensitive.

To convert all CA MICS guides, the ALL parameter can be used on the GUIDE=, COMP=, or CAT= options.

Note that DOC2HTML can be a very resource intensive operation. Converting all CA MICS guides at one time will consume a substantial amount of CPU time and can fail due to data center constraints on CPU time, output lines, or disk space.

If no processing options or guides are selected, DOC2HTML will produce the CA MICS Document Guides report as shown in Figure 6-4.

6.5.2 DOC2HTML Output

DOC2HTML produces a report listing the defined CA MICS guides. Figure 6-4 is a sample report of an DOC2HTML output.

This report can be generated without converting documents by running DOC2HTML with no guides specified.

For example:

```
// . . . .JOB . . . .  
//HTMLCVRT EXEC MICSDOCH,  
//      SYSPARM=' '  
//
```

Note: Only the guides listed in this report are eligible for conversion.

CA MICS Document Guides			
Category	Volume	Guide Id	Guide Title
(AC) Management Support Application	ACTC	PK	CA MICS Accounting and Chargeback Concepts and Overview
	ACTU	PL	CA MICS Accounting and Chargeback User Guide
	CAP	PA	CA MICS Capacity Planner Guide
	MQR	PM	CA MICS Q&R WorkStation Guide
	PER	PD	CA MICS MVS Performance Manager Guide
	STG	PG	CA MICS StorageMate Guide
(AD) System Administrator Guides	PIOM	L	CA MICS Planning, Install, Operation, Maintenance
	PSPH	BE	CA MICS "How to Use PSP" Guide
	SAG	BS	CA MICS System Administrator Guide
	SMG	M	CA MICS System Modification Guide

(DB) Data Integration Application Guides	AUM	FM	CA MICS Analyzer for MeasureWare OS Agents Guide	
	CICS	FE	CA MICS CICS Analyzer Guide	
	DB2	FN	CA MICS DB2 Analyzer Guide	
	DEX	FV	CA MICS VAX/VMS Analyzer Guide	
	IDMS	W	CA MICS IDMS Component Guide	
	IMS	FG	CA MICS IMS Analyzer Guide	
	MQS	F0	CA MICS MQSeries Analyzer Guide	
	PWR	FQ	CA MICS VSE/POWER Analysis Product Guide	
	RMF	FC	CA MICS MVS Hardware and SCP Analyzer Guide	
	SMF	FD	CA MICS MVS Batch and Operations Analyzer Guide	
	SNT	C	CA MICS SNA Network Analyzer Guide	
	SRL	FH	CA MICS System Reliability Analyzer Guide	
	TSO	FB	CA MICS TSO Analyzer Guide	
	VCA	FJ	CA MICS DASD Space Analyzer Guide	
	VM	FI	CA MICS VM and CMS Analyzer Guide	
	(DC) Collector Guides	LDE	CL	IMS/LOG Data Extract Component Guide
		VCC	CK	CA MICS DASD Space Collector Guide
VMT		CM	CA MICS VM Data Transfer Program Guide	
(US) End-User Guides	AST	AI	CA MICS Application Extension for ASTEX Guide	
	RPT	H	CA MICS Standard Reports Guide	
	RR	J	CA MICS Database Retrieval and Reporting Guide	
	SC	I	CA MICS Database Structure and Content Guide	
	TDM	AH	CA MICS Application Extension for Tandem Systems Guide	

Figure 6-4. CA MICS Document Guides Report

Chapter 7: User Options

```
----- Document Access - User Options -----
Command ==>

Your Name ==> _____

Section Print SYSOUT Information: (leave blank for defaults)

Destination ==> _____ FORMS ==> _____ UCS ==> _____
Print Class ==> A CHARS ==> _____ Writer ==> _____
Other Opts ==> _____

Browse Dataset Information: High Level Qualifier = USERID

Partial name ==> TEMP.BROWSE (without qualifier or screen#)
Disposition ==> DELETE (keep or delete)
Volume Serial ==> _____ (blank for default)
Type of unit ==> _____ (blank for default)
Space units ==> TRK (blk,trk,cyl)
Primary Space ==> 5 (number of space units)
Secondary Space ==> 5 (number of space units)
Blocksize ==> 6160 (note: lrecl=137,recfm=vba)

Browse Service Name ==> BROWSE (BROWSE or EDIT - of Browse Dataset only)

-----
```

Figure 7-1. User Options Panel

To display the User Options panel, enter 0 in the Option field on the Document Access menu panel.

The User Options panel allows you to specify default options that will be used each time you invoke Document Access. These options are saved across sessions, and are updated when you exit the panel using the END command or key.

SECTION PRINT SYSOUT INFORMATION

The Section Print information is used when printing text from a text selection panel. Section prints are copied to SYSOUT at the time the print command is issued (directly from your session). Each of the fields in this section is described below.

Destination allows you to specify a local or remote destination for the SYSOUT print file. You may need to specify a value here, if a default is not assumed for interactive sessions at your data center.

Print Class allows you to specify the SYSOUT class of the print output file. An entry in this field is required.

Note: In most cases, all you need specify is the Print Class and possibly a Destination. The remaining SYSOUT information can be supplied if needed, or can be left blank so as to use the defaults at your data center that are associated with the SYSOUT class you specified.

FORMS allows you to specify a SYSOUT form number for the print file.

UCS allows you to identify the special character set for printing.

CHARS allows you to specify a character arrangement table for the 3800.

Writer allows you to specify the SYSOUT program name.

Other Opts is available for special cases when additional SYSOUT information must be specified to the dynamic allocation routine. An improper specification in this field will cause an allocation error, so generally speaking, do not enter a value in this field.

Note: Batch job submission of Document Print jobs does not use the information from this panel. For batch job submission, your print characteristics are normally determined by the default specified in the MICSDOC PROC. (For more information on Document Print and batch job submission, see Chapter 6.)

BROWSE DATA SET INFORMATION

The browse data set is used in Document Access whenever text is selected for Browse using the B line or primary command. This data set must be cataloged, but need not be retained from one logon session to the next. Document Access will allocate the data set at invocation, if necessary. You only need to supply the high-level qualifier for the data set name. Document access will construct the full name from your userid, plus the partial name, plus the screen number. The last node of the partial name should not be longer than seven characters, to allow for a screen number suffix.

The remaining information is used for data set allocation. Note that the amount of space you allow will determine how much text you can browse in one Browse request.

Note: The User Options panel is displayed during allocation error recovery if the BROWSE data set allocation fails. This allows you to correct the data set options and retry allocation.

PRIMARY COMMANDS

The User Options panel allows the following primary commands:

END

Save the option changes and reinitialize using the new option settings.

CANCEL

Exit the options panel without saving the changes or reinitializing.

Chapter 8: Examples

This section contains the following topics:

[8.1 Starting CA MICS Document Access](#) (see page 84)

[8.2 Using Document Browse](#) (see page 85)

[8.3 Using Document Print](#) (see page 92)

[8.4 Using Subject Cross Reference](#) (see page 96)

[8.5 Using the Bookmark](#) (see page 107)

[8.6 Using the Tutorial](#) (see page 111)

[8.7 Using the SHOW Command](#) (see page 114)

[8.8 Using DOC2HTML](#) (see page 119)

8.1 Starting CA MICS Document Access

Figure 8-1 is a sample ISPF Primary Option Menu. To get to a menu where you can start CA MICS Document Access, enter M in the OPTION field.

This displays the CA MICS Workstation Facility (MWF) Primary Option Menu, shown in Figure 8-2. It provides access to all online CA MICS dialogs. To start Document Access, enter 1 in the Option field.

This displays the CA MICS Document Access menu, shown in Figure 8-3. It provides access to all the document access options.

Note: Access to the CA MICS Workstation Facility (MWF) may be provided in a similar manner at your data center. (An ISPF library allocation CLIST or LOGON proc would have been used to include the CA MICS ISPF data sets in the library concatenations, prior to ISPF invocation.) Contact your CA MICS System Administrator for specific information about using MWF at your site.

```
----- ISPF/PDF PRIMARY OPTION MENU -----
OPTION =====> M

          USERID - USER01
0  ISPF PARMs - Specify terminal and user parameters  TIME - 13:10
1  BROWSE    - Display source data or output listings  TERMINAL - 3278
2  EDIT     - Create or change source data            PF KEYS - 24
3  UTILITIES - Perform utility functions
4  FOREGROUND - Invoke language processors in foreground
5  BATCH    - Submit job for language processing
6  COMMAND  - Enter TSO command or CLIST
7  DIALOG TEST - Perform dialog testing
A  APPLICATION - Applications Primary Option Menu
C  CHANGES - Display summary of changes for this release
T  TUTORIAL - Display information about ISPF/PDF
X  EXIT     - Terminate ISPF using log and list defaults

M  CA MICS   - Invoke the CA MICS Workstation Facility (MWF)
```

Enter END command to terminate ISPF.

Figure 8-1. ISPF Primary Option Menu

```

----- CA MICS Workstation Facility (MWF) -----
Option ==> 1
  1 - Documentation Access (DOC)
      Browse, print, and/or cross reference CA MICS documentation.
  2 - CA MICS Information Center Facility (MICF)
      Compose and/or replay CA MICS database inquiries.
  3 - SAS With CA MICS Libraries (MSAS)
      Use interactive SAS with CA MICS libraries and macros.
  4 - Management Support Applications (APPL)
      Accounting and Chargeback, Capacity Planner,
      Performance Manager and StorageMate.
  5 - CA MICS Administrator Facility (MAF)
      Operational status and tracking, installation, modification,
      maintenance, and authorization.
  T - Tutorial
  X - Exit
-----

```

Figure 8-2. MWF Primary Option Menu

8.2 Using Document Browse

```

----- CA MICS Document Access -----
Option ==> 1
  0 - User Options
      Interactive and batch execution options
  1 - Document Browse
      Browse tables of contents and text of guides
  2 - Data Element Browse
      Browse Data Dictionary Elements by component and file
  3 - Document Print
      Print a Guide in standard format
  4 - Subject Cross Reference
      Locate subjects in the guides by keyword or phrase
  5 - Bookmark List
      Review and change the user bookmark file
  T - Tutorial
      How to use Document Access
  X - Exit
      Terminate Document Access
-----

```

Figure 8-3. Document Access Menu

From the Document Access menu, choose option 1 to browse the CA MICS guides.

```
----- Document Browse - Guide Selection ----- ROW 1 OF 24
Command ==>                                     Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> 1
Section ==> _____

Line Cmds: S Select

Cmd Volume Title
- -----
- ..... Guide Categories .....
S US End-User Guides
- AD System Administrator Guides
- DC Collector Guides
- AC Management Support Application Guides
- DB Data Integration Application Guides
- .....
- TDM CA MICS Application Extension for Tandem Systems Guide
- SAG CA MICS System Administrator Guide
- AST CA MICS Application Extension for ASTEX Guide
- RPT CA MICS Standard Reports Guide
- SC CA MICS Database Structure and Content Guide
- PSPH CA MICS How to Use the PSP Guide
```

Figure 8-4. Document Browse Guide Category Selection Example

The first display in Document Browse lists guide categories and individual guides. (Scroll down to see the complete list of guides.)

To list all the guides in one category, select that category, as End-User Guides is selected in the example. (You may also select a category by entering its two-character short name in the Volume field.)

This changes the display to show only the guides in that category, as illustrated in Figure 8-5.

Note: You do not have to select a category unless you want to see the types of guides available, by group. After the short names of the guides become familiar, you can request a guide immediately by typing its short name in the Volume field.

```

----- Document Browse - Guide Selection ----- ROW 8 OF 24
Command ==>                                     Scroll ==> PAGE

Volume ==> AD                                     Levels (n or A) ==> 1
Section ==> _____

Line Cmds: S Select          CATEGORY: End-User Guides

Cmd  Volume  Title
-  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -
-  TDM     CA MICS Application Extension for Tandem Systems Guide
-  AST     CA MICS Application Extension for ASTEX Guide
-  RPT     CA MICS Standard Reports Guide
-  SC      CA MICS Database Structure and Content Guide
-  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -
-----

```

Figure 8-5. Document Browse Guide Category Change Example

You may switch categories at any time by entering a different category's short name in the Volume field. In the sample screen above, while viewing the list of end-user guides, AD is entered in the Volume field to switch the display to the list of system administrator guides.

```
----- Document Browse - Guide Selection ----- ROW 13 OF 24
Command ==>                                     Scroll ==> PAGE

Volume ==> _____ Type (T, D, F) ==> _
Section ==> _____ Levels (n or A) ==> 1

Line Cnds: S Select          CATEGORY: System Administrator Guides

Cmd Volume Title
- -----
S PIOM CA MICS Planning, Install, Operation, Maintenance
- SAG CA MICS System Administrator Guide
- SMG CA MICS System Modification Guide
- -----
```

Figure 8-6. Document Browse Guide Selection Example

The System Administrator guides are listed on this sample screen and the PIOM guide is selected for browsing. This will list the names of all the chapters in the PIOM on the next screen.

```
----- Document Browse - Text Selection ----- ROW 1 OF 357
Command ==>                                     Scroll ==> PAGE

Volume ==> PIOM Type (T, D, F) ==> _
Section ==> _____ Levels (n or A) ==> 1

Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cnds: B Browse M Mark P Print R Reset S Select

Cmd Section Title
- -----
- 1..... Introduction
S 2..... Planning for the Installation and Use of CA MICS
- 3..... Installation
- 4..... Operation
- 5..... Special CA MICS Processing
- 6..... Data Collectors
- 7..... Maintenance Policies and Procedures
- -----
```

Figure 8-7. Document Browse Text Selection Example

Only the names of the chapters in the PIOM are listed on this sample screen because the number 1 in the Levels field means to display only one level of headings from the guide's table of contents. (This is the level set by default when you start the browse.)

The second chapter, Planning for the Installation and Use of CA MICS, is selected on the sample screen. This displays the major headings in Chapter 2 of the PIOM.

```
----- Document Browse - Text Selection ----- ROW 2 OF 357
Command ==>                                     Scroll ==> PAGE
```

```
Volume ==> PIOM                                     Type (T, D, F) ==> _
Section ==> 2                                       Levels (n or A) ==> 1
```

Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cmds: B Browse M Mark P Print R Reset S Select

Cmd	Section	Title
-	-----	-----
_	2.....	Planning for the Installation and Use of CA MICS
_	2.1.....	Personnel Assignment and Preparation
S	2.2.....	Preparing Your Site for CA MICS
_	2.3.....	CA MICS Installation Planning and Parameter Specification
-	-----	-----

Figure 8-8 Document Browse Text Selection Example

There are three major headings in Chapter 2. The value in the Levels field is still set to 1, so the display still shows only those sections that are one level down from the selected section.

The sample screen shows that the second major heading, Preparing Your Site for CA MICS, has been chosen. This moves the display down another level on the next screen and displays all the headings under Section 2.2.

```
----- Document Browse - Text Selection ----- ROW 4 OF 357
Command ==>                                     Scroll ==> PAGE

Volume ==> PIOM                                     Levels (n or A) ==> 1
Section ==> 2.2

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cmds: B Browse  M Mark  P Print  R Reset  S Select

Cmd      Section          Title
-  -----
_  2.2.....  Preparing Your Site for CA MICS
B  2.2.1.....  List of Tasks
_  2.2.2.....  Resource Planning for CA MICS
_  2.2.3.....  SAS Library Maintenance
-  -----

-----
```

Figure 8-9. Document Browse Text Selection Browse Example

This screen illustrates how you can enter B next to Section 2.2.1 to read about the tasks involved in preparing for CA MICS.

You can also:

- o Print sections as well as browse them.
- o Switch to another book by entering its short name in the Volume field.
- o Manipulate the displays by changing the entry fields and by using primary commands.

```
BROWSE -- USER01.TEMP.BROWSE1 ----- LINE 000000 COL 001 080
COMMAND ==>                                SCROLL ==> CSR
***** TOP OF DATA *****
```

2.2.1 - List of Tasks

The following tasks must be accomplished in order to prepare your site for installing and operating CA MICS. They are summarized here from the detail in the beginning of this chapter for your convenience.

- Task 2-1: Establish a separate SAS library for exclusive use by the CA MICS database update process. While any level of SAS may be used for inquiries into the database, CA MICS is extremely sensitive to the version of SAS with which the database is updated.
- Task 2-2: Ensure that the data collection processes in place are adequate to support CA MICS.
- Task 2-3: Task 2-3 is necessary only if you will be using the CA MICS VTOC Catalog Analyzer.

Figure 8-10. Document Browse Text Display Example

From here, you can scroll and read text, as well as find strings, split the screen, and so on. When done, use END to return to the table of contents as it appeared prior to the browse, another END to return to the guide list, and another END to return to the primary menu.

8.3 Using Document Print

```
----- CA MICS Document Access -----  
Option ==> 3  
  
0 - User Options  
    Interactive and batch execution options  
1 - Document Browse  
    Browse tables of contents and text of guides  
2 - Data Element Browse  
    Browse Data Dictionary Elements by component and file  
3 - Document Print  
    Print a Guide in standard format  
4 - Subject Cross Reference  
    Locate subjects in the guides by keyword or phrase  
5 - Bookmark List  
    Review and change the user bookmark file  
T - Tutorial  
    How to use Document Access  
X - Exit  
    Terminate Document Access  
  
-----
```

Figure 8-11. Document Print Example

From the Document Access menu, choose option 3 to print CA MICS guides or chapter-level portions of guides in the standard CA MICS document format.

```

----- Document Browse - Guide Selection ----- ROW 1 OF 24
Command ==>                                     Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> 1
Section ==> _____

Line Cmds: S Select

Cmd  Volume  Title
-  -----  -----
-  .....  ..... Guide Categories .....
-  US      End-User Guides
-  AD      System Administrator Guides
-  DC      Collector Guides
-  AC      Management Support Application Guides
-  DB      Data Integration Application Guides
-  .....  .....
-  TDM     CA MICS Application Extension for Tandem Systems Guide
-  SAG     CA MICS System Administrator Guide
-  AST     CA MICS Application Extension for ASTEX Guide
-  RPT     CA MICS Standard Reports Guide
-  SC      CA MICS Database Structure and Content Guide
-  PSPH    CA MICS How to Use the PSP Guide
-
-----

```

Figure 8-12. Document Print Guide Selection Example

Assume that you want to print certain chapters in the Database Structure and Content Guide. You would type S in front of SC to see the names of the chapters in that guide, as illustrated in the sample screen above.

```
----- Document Print - Chapter Selection ----- ROW 1 OF 415
Command ==>                                     Scroll ==> PAGE

Volume ==> DOC                                     Levels (n or A) ==> 1
Section ==> _____

      Volume Name: CA MICS Document Access Guide

Line Cmds: B Browse  M Mark  P Print  R Reset  S Select

Cmd   Section          Title
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
-   1..... Introduction
-   2..... Document Browse
-   3..... Data Element Browse
-   4..... Subject Cross Reference
-   5..... Bookmark List
-   6..... Document Print
-   7..... User Options
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```

Figure 8-13. Document Print Chapter Selection Example

Assume that you want to print chapters 2 and 4. You would type P in front of their chapter numbers. Then press END to go to the Job Submission screen.

Note: You will not leave this panel until the END or CANCEL command is issued. If additional chapters are listed on another screen, you can scroll there and back. You can also reset the display if you select a chapter by mistake.

```

----- Document Access - Job Submission -----
Command ==> SUB

Job to Submit: Print the CA MICS Document Access Guide

    User Name ==> Joe User
    Print Copies ==> 1
    UCASE Option ==> _ (Y, N, or blank for default)

    Print Class ==> _____
    (Leave blank for default. Overrides MICSDOC PROC parameter DOCOUT)

Job Statement Information:
-----
==> //USER01DO JOB (USER01-JU), 'MICS DOC JOB',
==> //          TIME=1,MSGCLASS=A,NOTIFY=USER01,PRTY=9
==> /*JOBPARM LINECT=0,LINES=50
==> /*

Use SUB Command to Submit Job
Use END Command to Bypass Job Submit

Use E or EDIT Command to Edit JCL and then Manually Submit Job

```

Figure 8-14. Document Print Job Submission Example

To submit the print job, use this job submission parameter display to set parameters that fit this particular run. Then type SUB in the command field. You will be prompted to confirm or cancel the submit request. Confirmation submits the job.

Note: The job submission information is saved across sessions. Also, User Name is set from the User Options panel.

8.4 Using Subject Cross Reference

```
----- CA MICS Document Access -----  
Option ==> 4  
  
0 - User Options  
    Interactive and batch execution options  
1 - Document Browse  
    Browse tables of contents and text of guides  
2 - Data Element Browse  
    Browse Data Dictionary Elements by component and file  
3 - Document Print  
    Print a Guide in standard format  
4 - Subject Cross Reference  
    Locate subjects in the guides by keyword or phrase  
5 - Bookmark List  
    Review and change the user bookmark file  
T - Tutorial  
    How to use Document Access  
X - Exit  
    Terminate Document Access
```

Figure 8-15. Subject Cross Reference Example

From the Document Access menu, choose option 4 to locate text in the CA MICS guides by subject matter, across all guides.

```
----- Subject Cross Reference - Keyword Selection      ROW 1 OF 4512
Command ==> L SAS                                     Scroll ==> PAGE
```

```
Keywords ==> _____ ==> _____ ==> _____
```

Use the SC primary command, after choosing keywords, to begin search.

Line Cnds: S Select

Cmd	Vocabulary	Count
-	-----	----
-	ABBREVIATIONS	1
-	ABEND	21
-	ABENDS	12
-	ABNORMAL	9
-	ABORT	5
-	ABORTED	2
-	ACCEPTED	4
-	ACCESS	52
-	ACCESSES	2
-	ACCOUNT	127
-	ACCOUNTABILITY	4
-	ACCOUNTING	275

Figure 8-16. Cross Reference Keyword Locate Example

The Keyword Selection panel is displayed. It lists hundreds of keywords you can choose from.

You can scroll through the list or use the Locate command to go directly to a keyword you want to learn more about. In the sample panel above, the user has typed L SAS to locate the term SAS in the keyword vocabulary.

```
----- Subject Cross Reference - Keyword Selection      ROW 1 OF 4512
Command ==> L SAS                                       Scroll ==> PAGE
```

```
Keywords ==> _____ ==> _____ ==> _____
```

Use the SC primary command, after choosing keywords, to begin search.

Line Cnds: S Select

Cmd	Vocabulary	Count
-	-----	----
-	ABBREVIATIONS	1
-	ABEND	21
-	ABENDS	12
-	ABNORMAL	9
-	ABORT	5
-	ABORTED	2
-	ACCEPTED	4
-	ACCESS	52
-	ACCESSES	2
-	ACCOUNT	127
-	ACCOUNTABILITY	4
-	ACCOUNTING	275

Figure 8-17. Cross Reference Keyword Scan Example

SAS is found in the keyword vocabulary, along with a number of more specific terms, like SASCP and SAS FLS. To select SAS, type S in front of it and press Enter. The word SAS now appears in the first Keyword field.

Assume you want to find documentation on SAS libraries. Since the word SAS appears in the CA MICS documentation 322 times (the number in the Count column), you can use the second Keyword field to narrow the search down to SAS libraries.

You can see on the sample screen that SAS was entered in the first Keyword field when you selected it. Now enter LIBRAR* in the second Keyword field (to find both singular and plural references), and type SC in the Command field to search for phrases with both keywords.

```

----- Subject Cross Reference - Phrase Selection -- ROW 1 OF 11
Command ==> S                               Scroll ==> PAGE

Line Cnds: S Select

Cmd  Hits  Phrase
-  -----
-      1  CHANGE SAS LOAD LIBRARY
-      2  CREATE SAS LIBRARY
-      1  SAS DATA LIBRARIES
-      2  SAS HELP LIBRARY
-      1  SAS LIBRARIES
-      2  SAS LIBRARY MAINTENANCE
-      1  SAS LOAD LIBRARY
-      2  SAS PRODUCT LOAD LIBRARY
-      1  SAS SUPPLEMENTAL LIBRARY
-      3  SEPARATE SAS LIBRARY
-      4  SPECIAL SAS LIBRARY
-  -----

```

Figure 8-18. Cross Reference Phrase Selection Example

The Phrase Selection panel displays 11 different combinations of "SAS libraries" or "SAS library" in the CA MICS guides. (There may be others, but these are the references that were determined by the keying process to be most useful.)

At this point, you have three choices:

- o You can use the F primary command to further narrow down the display to only those phrases containing a specific string such as the word "help."
- o You can type S in front of a phrase to see the guide name and section number where the selected phrase appears.
- o You can use the S primary command to see the guide names and section numbers where all the phrases appear. This was done in the sample screen above.

```
----- Subject Cross Reference - Text Selection --- ROW 1 OF 15
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

Volume Name:

Line Cmds: B Browse D Delete M Mark P Print S Select

Cmd  Guide  Section  Title
-----
_  PIOM  2..... Planning for the Installation and Use of CA MICS
      xref: SEPARATE SAS LIBRARY
_  PIOM  2.2..... Preparing Your Site for CA MICS
      xref: SAS LIBRARY MAINTENANCE
_  PIOM  2.2.1..... List of Tasks
      xref: SEPARATE SAS LIBRARY
_  PIOM  2.2.3..... SAS Library Maintenance
      xref: SAS LIBRARY MAINTENANCE
B  PIOM  2.3.1.6.2..... Database Complex Library Definitions
      xref: SAS HELP LIBRARY
B  PIOM  2.3.3.2.1.2..... Database Unit Library Definitions
      xref: SAS HELP LIBRARY
_  PIOM  3.3..... Define Database Complex
      xref: CREATE SAS LIBRARY
_  PIOM  3.3.1..... Create SAS Library for CA MICS
      xref: SEPARATE SAS LIBRARY
_  SMG  4.3.7.5..... Altering JCL/CLIST Statements
      xref: CHANGE SAS LOAD LIBRARY
-----
```

Figure 8-19. Cross Reference Text Selection Browse Example

The titles of the text sections using the selected phrases are then displayed, along with the first phrase that referred to that section. In this particular case, most references are in the PIOM guide.

The sample screen illustrates how two sections are selected for browsing.

```

BROWSE -- USER01.TEMP.BROWSE1 ----- LINE 000000 COL 001 080
COMMAND ==> F SAS                               SCROLL ==> CSR
***** TOP OF DATA *****

```

2.3.1.6.2 - Database Complex Library Definitions

Library definitions supply the fully-qualified data set names and other information needed to define the procedure, SAS, sort, and ISPF libraries associated with the database complex.

The ISPxLIBn definitions are used to supply the data set names of your installation's IBM ISPF and ISPF/PDF product libraries. The FINDISPF program has been supplied to assist you in determining the correct names to specify for these definitions. From the TSO COMMAND PROCESSOR panel (usually ISPF/PDF Option 6) issue the following command:

```
CALL 'sharedprefix.MICS.LOAD(FINDISPF)'
```

This command displays the exact parameters that you need to specify for the ISPxLIBn definitions that follow:

ISPLLIB1-2:

Figure 8-20. Cross Reference Text Browse Example

The sample screen displays the first section selected for browsing. It also illustrates how you can use the Find command to find the references to SAS, rather than read the entire section.

You can use the Repeat Find key to find the next reference to SAS.

```
BROWSE -- USER01.TEMP.BROWSE1 ----- CHARS 'SAS' FOUND  
COMMAND ==>                               SCROLL ==> CSR
```

SASHELP:

The name of the SAS help library.

SASLIB:

The name of the SAS Program Product load library dedicated to hold the version of SAS used for CA MICS database update processing. Consult the CA MICS System Administrator Guide for information about the levels of SAS currently supported for updating the CA MICS database.

SASMSG:

The name of the SAS message library.

SASNAME:

Figure 8-21. Cross Reference Text Find Example

This sample screen illustrates the next reference to SAS, found using the Repeat Find key.

To see the second section selected for browsing, just scroll to the end of the first section. The second section appears after the first section.

When you are finished reading, END returns you to the text selection panel where you selected the sections to browse.

The next four sample screens illustrate how you can bookmark the location of text after finding it and how you can see the context of text after finding it.

```

----- Subject Cross Reference - Text Selection --- ROW 1 OF 15
Command ==>                                     Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

Volume Name:

Line Cmds: B Browse  D Delete  M Mark  P Print  S Select

Cmd  Guide  Section  Title
- - - - -
_  PIOM  2..... Planning for the Installation and Use of CA MICS
      xref: SEPARATE SAS LIBRARY
_  PIOM  2.2..... Preparing Your Site for CA MICS
      xref: SAS LIBRARY MAINTENANCE
_  PIOM  2.2.1..... List of Tasks
      xref: SEPARATE SAS LIBRARY
_  PIOM  2.2.3..... SAS Library Maintenance
      xref: SAS LIBRARY MAINTENANCE
_  B PIOM  2.3.1.6.2..... Database Complex Library Definitions
      xref: SAS HELP LIBRARY
_  B PIOM  2.3.3.2.1.2..... Database Unit Library Definitions
      xref: SAS HELP LIBRARY
_  PIOM  3.3..... Define Database Complex
      xref: CREATE SAS LIBRARY
M  PIOM  3.3.1..... SAS Libraries Used by CA MICS
      xref: SEPARATE SAS LIBRARY

```

Figure 8-22. Cross Reference Text Mark Example

This sample screen illustrates how you can mark a section that you want added to your bookmark list, which is automatically saved from one session to the next.

```
----- Subject Cross Reference - Text Selection --- ROW 1 OF 15
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____
```

Volume Name:

Line Cmds: B Browse D Delete M Mark P Print S Select

Cmd	Guide	Section	Title
-	-	-	-
-	PIOM	2.....	Planning for the Installation and Use of CA MICS xref: SEPARATE SAS LIBRARY
S	PIOM	2.2.....	Preparing Your Site for CA MICS xref: SAS LIBRARY MAINTENANCE
-	PIOM	2.2.1.....	List of Tasks xref: SEPARATE SAS LIBRARY
-	PIOM	2.2.3.....	SAS Library Maintenance xref: SAS LIBRARY MAINTENANCE
- B	PIOM	2.3.1.6.2.....	Database Complex Library Definitions xref: SAS HELP LIBRARY
- B	PIOM	2.3.3.2.1.2.....	Database Unit Library Definitions xref: SAS HELP LIBRARY
-	PIOM	3.3.....	Define Database Complex xref: CREATE SAS LIBRARY
-	PIOM	3.3.1.....	SAS Libraries Used by CA MICS xref: SEPARATE SAS LIBRARY

Figure 8-23. Cross Reference Context Browse Selection Example

This sample screen illustrates how you can use S to select a section rather than B to browse it. Selecting a section moves you directly into Document Browse, where you can see the complete table of contents containing the section, to get the context of the documentation, and perhaps then browse a broader range of text on the topic. This is illustrated on the next page.

Tip: To return to this Subject Cross Reference panel, use the SC LAST primary command to get back to here from elsewhere in Document Access.

```

----- Document Browse - Text Selection ----- ROW 4 OF 357
Command ==> M                               Scroll ==> PAGE

Volume ==> PIOM                               Levels (n or A) ==> A
Section ==> 2.2

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cmds: B Browse  M Mark  P Print  R Reset  S Select

Cmd      Section          Title
-  -----
-  2.2..... Preparing Your Site for CA MICS
-  2.2.1..... List of Tasks
-  2.2.2..... Resource Planning for CA MICS
-  2.2.3..... SAS Library Maintenance
-  2.2.4..... Data Collector Considerations
-  -----
-----

```

Figure 8-24. Browse in Context Example

This is the display of the section selected from Subject Cross Reference Text Selection, now being viewed in context under Document Browse. Now you are actually under the Browse dialog, and can use all of the features of Document Browse, explained in detail in Chapter 2 of this guide.

Next, assume you want to refer to the item that you marked earlier from the Subject Cross Reference text selection panel. To see this entry, along with other sections marked from previous sessions, use the M primary command to see the bookmark list.

```

----- Bookmark - Text Selection ----- ROW 1 OF 5
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

      Volume Name:

Line Cmds: B Browse  D Delete  P Print  S Select

Cmd Vol/File      Section      Title
- - - - -
_  PIOM           2.3.3.....  CA MICS JCL Planning and Parameters
                          Marked from Document Browse
_  PIOM           4.3.11..... Abend Codes and Corrective Action
                          Marked from Document Browse
_  PIOM           4.3.9.....   CA MICS Dnames
                          xref: JOB XREF
_  TSOTSU         SYSID.....   System Identifier
                          Marked from Element Browse
_  PIOM           3.3.1.....   Create SAS Library for CA MICS
                          xref: SEPARATE SAS LIBRARY
- - - - -
-----

```

Figure 8-25. Display Bookmark from Browse Example

This display shows five entries, 4 from a previous session, plus the last entry, which was marked earlier from the subject cross reference (section 3.3.1 in the PIOM Guide), including the phrase that caused it to be located in the first place.

From here, you can browse the text (or print it), delete the entry, or select it and again switch to Document Browse to see it in context.

The next set of sample panels illustrate how to use the bookmark feature.

8.5 Using the Bookmark

```
----- CA MICS Document Access -----  
Option ==> 5  
  
0 - User Options  
    Interactive and batch execution options  
1 - Document Browse  
    Browse tables of contents and text of guides  
2 - Data Element Browse  
    Browse Data Dictionary Elements by component and file  
3 - Document Print  
    Print a Guide in standard format  
4 - Subject Cross Reference  
    Locate subjects in the guides by keyword or phrase  
5 - Bookmark List  
    Review and change the user bookmark file  
T - Tutorial  
    How to use Document Access  
X - Exit  
    Terminate Document Access  
  
-----
```

Figure 8-26. Bookmark Example

From the Document Access menu, choose option 5 to see the Bookmark List. This option provides a quick way to return to a text section that you previously marked.

```

----- Bookmark - Text Selection ----- ROW 1 OF 4
Command ==>                               Scroll ==> PAGE

Volume ==> _____ Levels (n or A) ==> A
Section ==> _____

      Volume Name:

Line Cmds: B Browse  D Delete  P Print  S Select

Cmd Vol/File      Section      Title
- - - - -
S  PIOM           2.3.3.....  CA MICS JCL Planning and Parameters
                          Marked from Document Browse
_  PIOM           4.3.11.....  Abend Codes and Corrective Action
                          Marked from Document Browse
_  PIOM           4.3.9.....   CA MICS Dnames
                          xref: JOB XREF
_  TSOTSU        SYSID.....   System Identifier
                          Marked from Element Browse
- - - - -
-----

```

Figure 8-27. Bookmark Browse in Context Example

This panel lists any sections that were previously marked to make it easier to find them again.

This sample screen illustrates using the S command to select one of the sections and jump into Document Browse at that section, which is in the PIOM guide.

```

----- Document Browse - Text Selection ----- ROW 119 OF 357
Command ==>                                     Scroll ==> PAGE

Volume ==> PIOM                                  Levels (n or A) ==> A
Section ==> 2.3.3

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cmds: B Browse  M Mark  P Print  R Reset  S Select

Cmd      Section          Title
- - - - -
_ 2.3.3..... CA MICS JCL Planning and Parameters
B 2.3.3.1..... JCLGEN Process Flow
_ 2.3.3.2..... Standard JCLGEN Parameters
_ 2.3.3.3..... JCLGEN Parameters for Special Requirements
- - - - -

```

Figure 8-28. Bookmark Text Selection Browse Example

This is the display of the section selected from the bookmark list, now being viewed in context under Document Browse.

At this point, you have several choices:

- o You can use the M primary command to see the Bookmark list again.
- o You can stay in Document Browse and use any of its features.

The sample screen illustrates staying in Document Browse by typing B to browse the section on JCLGEN Process Flow.

```
BROWSE -- USER01.TEMP.BROWSE1 ----- LINE 000000 COL 001 080
COMMAND ==>                                SCROLL ==> CSR
***** TOP OF DATA *****
```

2.3.3.1 - JCLGEN Process Flow

The CA MICS JCL generation (JCLGEN) process is accomplished by a series of jobs. When run, these jobs create the job streams and JCL procedures needed to install and run CA MICS.

The JCLGEN function is divided into small jobs in order to separate functions which will be performed with greater or lesser frequency. The function of each of these jobs is shown below.

- JCLGEN0 - Complex-wide jobs and clists
- JCLGEN1 - CA MICS Installation Accounting specific jobs

- JCLGENA - Database Unit Installation Jobs - Part 1
Note: This job is not generated. It is copied from sharedprefix.MICS.CNTL(JCLGENB) by the COPYLIBS job. JCLGENA generates the same JCL as JCLGENB and is used only during creation of a new database unit.
- JCLGENB - Database Unit Installation Jobs - Part 1
- JCLGENC - Database Unit Installation Jobs - Part 2
- JCLGEND - Database Unit Operational Jobs
- JCLGENE - Jobs Affected by a DB Split After Installation
- JCLGENF - SPECIAL Database Unit Installation Jobs
- JCLGENG - SPECIAL Database Unit Operational Jobs

Figure 8-29. Bookmark Text Display Example

This is the text selected by typing B on the previous panel.

8.6 Using the Tutorial

```
----- CA MICS Document Access -----  
Option ==> T  
  
  0 - User Options  
      Interactive and batch execution options  
  1 - Document Browse  
      Browse tables of contents and text of guides  
  2 - Data Element Browse  
      Browse Data Dictionary Elements by component and file  
  3 - Document Print  
      Print a Guide in standard format  
  4 - Subject Cross Reference  
      Locate subjects in the guides by keyword or phrase  
  5 - Bookmark List  
      Review and change the user bookmark file  
  T - Tutorial  
      How to use Document Access  
  X - Exit  
      Terminate Document Access  
  
-----
```

Figure 8-30. Tutorial Example

From the Document Access menu, choose option T to review the Document Access tutorials. Help panels are also accessible from any Document Access dialog through the HELP command.

```
Tutorial ----- CA MICS Document Access ----- Tutorial  
COMMAND ==> I
```

CA MICS Document Access allows you to browse or print any sections from the CA MICS Guides. You may select sections of interest through several views of the guides, such as by table of contents, by database element lists, or through a Subject Cross Reference. A bookmark capability allows you to mark sections of interest for quick reference. The bookmark list can be saved and recalled across ISPF sessions.

Topics presented in sequence or selected by number:

0 - User Options	3 - Document Printing
1 - Document Browse	4 - Subject Cross Reference
2 - Data Dictionary Element Browse	5 - Using the Bookmark

Topics presented only if selected:

G - General Information	I - Tutorial Index
-------------------------	--------------------

Figure 8-31. Tutorial Index Example

The tutorial offers a structured entry into the online HELP information for each dialog option, as well as some general information and a tutorial index.

This sample panel illustrates using the I primary command to see the tutorial index.

Tutorial ----- Index Page 1 - A through C ----- Tutorial
OPTION ==>

Enter one of the options listed below to display a selected tutorial.

A1 - Allocation Errors	C1 - Changing Options
A2 - Area Field	C2 - Chapter Selection
B1 - Batch Print Job	C3 - Component Selection
B2 - Bookmark	C4 - Cross Reference
B3 - Bookmark Data Element Name	C5 - Cross Reference Bookmark
B4 - Bookmark Lists	C6 - Cross Reference Keyword Select
B5 - Bookmark Text Browsing	C7 - Cross Reference Phrase Selection
B6 - Bookmark Text Printing	C8 - Cross Reference Text Browsing
B7 - Bookmark Text Selection	C9 - Cross Reference Text Printing
B8 - Browse Dataset	C10 - Cross Reference Text Selection
B9 - Browse Dataset Information	C11 - Cross View Guides
B10 - Browse Dataset Name	
B11 - Browsing from the Bookmark	
B12 - Browsing from the Cross Reference	

Figure 8-32. Tutorial Index Display Example

Instructions for using the index are displayed, and you press Enter to proceed to this sample screen. From here, you can quickly find a specific help panel.

8.7 Using the SHOW Command

```
----- Document Browse - Text Selection ----- ROW 1 OF 381
Command ==> SHOW JCLGEN ALL                               Scroll ==> CSR

Volume ==> PIOM                                           Type (T, D, F) ==> _
Section ==> _____                                     Levels (n or A) ==> 1

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cnds: B Browse  M Mark  P Print  R Reset  S Select

Cmd   Section          Title
- - - - -
- 1..... Introduction
- 2..... Planning for the Installation and Use of CA MICS
- 3..... Installation
- 4..... Operation
- 5..... Special CA MICS Processing
- 6..... Data Collectors
- 7..... Maintenance Policies and Procedures
- - - - -
-----
```

Figure 8-33. SHOW Command example in Document Browse

The SHOW command is a quick way to search for a title in a table of contents or data element list. SHOW is available under Document Browse Text Selection and Data Element Browse Element Selection.

SHOW gives you a condensed look at the display by showing only lines that contain a string of text you are searching for. In Document Browse, this means that you could ask to see, for example, all section titles in the PIOM guide that contain the string JCLGEN.

Note: Unlike Subject Cross Reference, SHOW only applies to the current guide you are viewing, and only searches the table of contents.

In this example, the PIOM guide was selected for browsing, which brought up a display of its table of contents. Normally, the Section, Type, and Levels fields control which

sections are listed on the display. When the SHOW command is used, the display of the table of contents is still controlled by the Section, Type, and Levels fields, but it is narrowed down further to show only those entries that match the words following the SHOW command.

In this example, the command SHOW JCLGEN ALL was used to see all table of contents entries containing the string JCLGEN. The ALL option causes the Levels field to change to A and also clears the Section field if it is not blank. The results of this command are shown on the next page.

```

----- Document Browse - Text Select----- JCLGEN found
Command ==> AND PARAMETER                      Scroll ==> CSR

Volume ==> PIOM                                 Type (T, D, F) ==> _
Section ==> _____                          Levels (n or A) ==> A

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cnds: B Browse  M Mark  P Print  R Reset  S Select

Cmd   Section          Title   SHOW JCLGEN
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
_   2.3.3.1.....      JCLGEN Process Flow
_   2-50.....          JCLGEN Process Flow
_   2.3.3.1.1.....    Processing Done by Standard JCLGEN Jobs
_   2.3.3.2.....      Standard JCLGEN Parameters
_   2.3.3.3.....      JCLGEN Parameters for Special Requirements
_   2.3.3.3.2.....    JCLGEN Definition Tables
_   3.5.3.2.....      Executing JCLGENA
_   3.5.3.3.....      Executing JCLGENB through JCLGENG
_   3.5.3.4.....      Selective JCL/CLIST Generation Using JCLGENU
-   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
-----

```

Figure 8-34. SHOW Command example in Document Browse

The display above is the result of the command SHOW JCLGEN ALL. Now, Section is blank, Levels is A, and the only entries shown are those containing the string JCLGEN. The heading over the Title field now displays the SHOW argument that is controlling the display.

The display can be narrowed down further by using an AND or

OR command followed by other words you want to appear in the display. For example, assume you want to further limit the display to only those entries that contain both JCLGEN and PARAMETER. Since SHOW is already in effect, the command AND PARAMETER adds this condition to the SHOW argument list.

```
----- Document Browse - Text Selection --- PARAMETER found
Command ==>                               Scroll ==> CSR

Volume ==> PIOM                             Type (T, D, F) ==> _
Section ==> _____                       Levels (n or A) ==> A

      Volume Name: CA MICS Planning, Install, Operation, Maintenance

Line Cnds: B Browse  M Mark  P Print  R Reset  S Select

Cmd   Section          Title   SHOW JCLGEN AND PARAMETER
-   -----
_   2.3.3.2..... Standard JCLGEN Parameters
_   2.3.3.3..... JCLGEN Parameters for Special Requirements
-   -----
```

Figure 8-35. SHOW Command example in Document Browse

The display above is the result of the command AND PARAMETER. The heading over the Title field now displays the complete SHOW argument that is controlling the display.

To turn off the effects of SHOW, issue the command SHOW ALL.

```
----- Data Element Browse - Element Selection --- ROW 1 OF 124
Command ==> SHOW TIME                               Scroll ==> CSR

      Area ==> TSO   File ==> TSO   TSO SYSTEM ACTIVITY FILE

      Elements:

Line Cnds: B Browse  M Mark  P Print  S Select

Cmd   Element   Name
-   -----
```

```

-   CPUMODEL   CPU Model Identification
-   DAY        Day of Month
-   DAYNAME    Name Of Day Of Week
-   DURATION   Recording Interval Time
-   ENDTS      End Time Stamp
-   HOUR       Hour Of Day
-   INTERVLS   Number of Recording Intervals
-   MONTH      Month of Year
-   ORGSYSID   Originating System Identification
-   STARTTS    Start Time Stamp
-   -----

```

Figure 8-36. SHOW Command example in Data Element Browse

Assume that Data Element Browse was invoked and the TSO file was selected for browsing. The display above lists all data elements in the TSO file in the TSO area.

To see only those elements with long names containing the string TIME, enter the command SHOW TIME, as illustrated in the Command field above.

```

----- Data Element Browse - Element Sel----- TIME found
Command ==> AND THINK                               Scroll ==> CSR

Area ==> TSO   File ==> TSO   TSO SYSTEM ACTIVITY FILE

Elements:

Line Cnds: B Browse  M Mark  P Print  S Select

Cmd  Element  Name  SHOW TIME
-   -----
-   DURATION  Recording Interval Time
-   ENDTS     End Time Stamp
-   STARTTS   Start Time Stamp
-   TSMERESP  Excessive Response Time Threshold
-   TSOAVCTM  Avg TSO Session Time
-   TSOAVKTM  Avg User Think Time
-   TSOAVLTM  Avg Long Response Time
-   TSOAVMTM  Avg Medium Response Time
-   TSOAVSTM  Avg Short Response Time
-   TSOAVTTM  Avg Response Time All Functions

```

```

_   TSOCONTM   Terminal Connect Time
-   - - - - -   - - - - -

```

Figure 8-37. SHOW Command example in Data Element Browse

The display above is the result of the command SHOW TIME. The only data element entries shown are those containing the string TIME.

The heading over the Name field now displays the SHOW argument that is controlling the display.

To further limit the display to only those entries that contain both TIME and THINK, use the command AND THINK to add this condition to the SHOW argument list.

```

----- Data Element Browse - Element Sel----- THINK found
Command ==>                                     Scroll ==> CSR

      Area ==> TSO   File ==> TSO   TSO SYSTEM ACTIVITY FILE

Elements:

Line Cnds: B Browse  M Mark  P Print  S Select

Cmd  Element   Name   SHOW TIME AND THINK
-   - - - - -   - - - - -
_   TSOAVKTM   Avg User Think Time
_   TS0THKTM   Think Time Total
-   - - - - -   - - - - -

```

Figure 8-38. SHOW Command example in Data Element Browse

The display above is the result of the command AND THINK. The heading over the Title field now displays the SHOW argument that is controlling the display.

To turn off the effects of SHOW, use the command SHOW ALL.
\$REST

8.8 Using DOC2HTML

Note: To use the DOC2HTML utility, you must follow all the prerequisites described in the PIOM, section 4.8, including setting up the CA MICS Root Directory.

Here are examples of the JCL you will use to convert various types of guides:

- o Convert the PIOM (Planning, Installation, Operation and Maintenance) and the TSO guides:

```
// . . . .JOB . . . .
//HTMLCVRT EXEC MICSDOCH,
//          SYSPARM='GUIDE=TSO PIOM'
```

- o Convert all end-user guides:

```
// . . . .JOB . . . .
//HTMLCVRT EXEC MICSDOCH,
//          SYSPARM='CAT=US'
//
```

- o Convert all end-user guides and the System Modification Guide (SMG):

```
// . . . .JOB . . . .
//HTMLCVRT EXEC MICSDOCH,
//          SYSPARM='CAT=US GUIDE=SMG'
//
```

- o Convert all Accounting and Chargeback Guides:

```
// . . . .JOB . . . .
//HTMLCVRT EXEC MICSDOCH,
//          SYSPARM='COMP=ACT'
//
```

- o Convert all guides with CA MICS Data Dictionary entries:

```
// . . . .JOB . . . .
//HTMLCVRT EXEC MICSDOCH,
//          SYSPARM='GUIDE=ALL DIC=Y'
//
```