DATA MANAGEMENT SYSTEM

User's Guide

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Overview

DMS Attributes

DMS is a menu-driven, user-friendly system that allows you to manipulate software and data files as follows:

- Download files and software from the network to your personal computer (PC)
- Compress files into a single archive file
- Decompress files from an archive file
- Remove files from your PC
- Copy files from the source directory to the destination directory
- Configure DMS for your specific PC and network configuration.

System Requirements

As a minimum, you need the following hardware and software to install DMS:

- IBM-compatible personal computer with 640 kB of random access memory
- Hard-disk drive with 10 MB of free space
- Laser or dot-matrix printer
- PKZIP software

Overview

Using This Guide

This guide describes DMS options, the conventions used in this guide, and various ways you can work with this system.

Visual Font Styles

You will find the following convention throughout the *User's Guide*.

<u>Font Style</u>	<u>Denotes</u>
ALL CAPITALS	Directory names and acronyms—for example directory \APPS\NRCDMS or acronym DMS
Initial Capitals	Menu items, command names, window names and options—for example Download From Network, Copy command, and Enter Desired Directory.
Bold, ALL CAPITALS	Any command that must be typed—for example, C:*.* for a desired directory or E for Exit.
Bold, Initial Capitals	The names of keys on your keyboard—for example, Enter, Home, or Del

Function Key Designations

The function keys, located at the bottom of the option screens, send specific instructions to DMS. Please note that function keys may vary depending upon which screen you access. DMS provides the following functions.

- F1 Help**—Provides associated online help information for the option selected from the DMS main menu.
- F2 Mark Line**—Functions as a toggle switch for marking or unmarking a file in a list. An asterisk marks the highlighted file. To mark or unmark a file, simply highlight the file and press F2.
- F3 Mark All**—Operates as a toggle switch for marking or unmarking ALL files in a list.
- F4 Mark Range**—Serves as a toggle switch for sequentially marking or unmarking a range of files in a list. To mark a range, highlight the first file to include in the range and press F4. The message "Range selected—Highlight end of range . . ." appears at the bottom of the screen. Scroll through the list and find the last file to include in the range and press F4. Asterisks will appear in front of all files that fall within the designated range. To remove the asterisks from the selected applications, simply press F4 and select the same range. Press F4 again and DMS will unmark the selected applications.
- F5 Toggle Sort**—Resorts file lists in the File Information window. By default, DMS sorts the files by filename extension. Pressing F5 resorts the lists by filename, size, date, or extension.
- F6 Directory Listing**—Lists files contained in a directory. When you highlight a directory in the Directory and File Listings field, pressing F6 lists the files contained in the highlighted directory. This function is restricted to the Copy and Removal options listed in the main menu.

Overview

F7 Directory Ascend—Ascends subdirectory branches of the tree structure, one directory at a time, in the Directory and File Listings field. Press **F7** to list all of the directories and files contained in the next highest directory level. Continue pressing **F7** to ascend the directories until you reach the root directory. This function is restricted to the Copy and Removal options listed in the main menu.

Pathname

The options in DMS use the pathname to locate or place files in a system. A pathname consists of a drive specifier, a series of directory names, and a file specifier with a backslash (\) separating each element. The format for a pathname is:

[d:][directory\[directory\[...]]filename[.ext]

where,

d	=	drive specifier
directory	=	name of your directory
filename	=	name of the file
.ext	=	filename extension.

NOTE The information in the brackets is optional. You do not need the bracketed information to have a complete pathname, although you may need this information to correctly specify a particular file.

Example 1 D:\PRADATA\PCH1*.DAT—Equates to drive D, all files with extension of .DAT in the subdirectory PCH1 of subdirectory PRADATA.

Example 2 \DOS*.EXE—Equates to all files with extension of .EXE in the DOS subdirectory on the current drive.

Example 3: *.*—Equates to all files on current drive in current directory.

Starting DMS

Windows

You start DMS just as you do other Windows applications. Start DMS as follows:

1. Start Windows.
2. Double-click the Execute application icon in the NRCDMS group window within the Program Manager. The Data Management System main menu will appear (Figure 1).

NOTE Install loads the new version of DMS on the local area network (LAN) if an update exists.

NRC Data Management System Menu

You start DMS just as you do other applications or options listed in a menu. Start DMS as follows:

1. Access the PC Local Applications Menu.
2. Type **D** or highlight the NRC Data Management System menu.
3. Press **Enter**. Two options will appear on the screen.
4. Type **B** to execute the NRC Data Management System.

Overview

NOTE Option A installs the latest version of the NRC DMS on the local area network (LAN) if an update exists.

5. Press **Enter** to access the NRC Data Management System menu (Figure 1).

Figure 1. Data Management System main menu.

Download from Network

Download From Network transfers software or ASP Data Models from the network to your PC directories. Before the system downloads software or data models to your PC, the system checks your hard disk for 10 MB of free space. As the system loads selected data models into the directories, the system compares residing data model versions to the downloading data model versions.

Transfer files as follows:

1. Type **D** or use the up and down arrow keys to select Download From Network.
2. Press **Enter** to access the Download Selection screen (Figure 2).

Figure 2. Download Selection screen.

Download From Network

NOTE Other options may exist on this screen in the future as additional data models become available.

3. Select the type of data to download with the up and down arrow keys.
 - a. Select the ASP Data Models and press **Enter** to access data models available on the network (Figure 3). You may highlight a file or mark some or all of the files in the list by using **F2**, **F3**, or **F4**. For more details regarding these keys, refer to the Function Key Designation Section (Page 2).

Figure 3. List of available data models located on the network.

- b. **Select Software** and press **Enter** to access software available on the network (Figure 4).

Figure 4. Example list of available network software.

5. Enter the MS-DOS destination pathname for the selected files. If the specified directory does not exist, DMS will ask if you would like the directory created (Figure 5).

NOTE For downloading SAPHIRE software, DMS automatically creates the subdirectory off of the main drive called /SAF50. SAPHIRE requires this subdirectory to run properly.

Download From Network

DMS - Download Selection

+ANO1	1.00	ASP DATA MODELS	PWR D RISK MODEL FOR ARKANSAS
+ANO2	1.00	ASP DATA MODELS	PWR H RISK MODEL FOR ANO-2
+BFERRY	1.00	ASP DATA MODELS	BWR C RISK MODEL - BROWNS FERRY
+BRAIDWD	1.00	ASP DATA MODELS	PWR B RISK MODEL BRAIDWOOD 1&2
+BRPOINT	1.00	ASP DATA MODELS	BWR A RISK MODEL - BIG ROCK PT
+BRUNSWK	1.00	ASP DATA MODELS	BWR C RISK MODEL BRUNSWICK 1&2
+BVALLEY1	1.00	ASP DATA MODELS	PWR A1 RISK MOD BEAVER VALLEY1
+BVALLEY2	1.00	ASP DATA MODELS	PWR A2 RISK MOD BEAVER VALLEY2
+BYRON	1.00	ASP DATA MODELS	PWR B RISK MODEL FOR BYRON 1&2

NOEnter the destination path for ANO1not

Note: The directory
C:\NEWPATH**
does not exist on the target drive. Do you want the directory
created?

Create directory Y (Y/N)

Figure 5. Create Directory screen.

- a. Type Y to create the directory and download the files to the destination directory, or type N to return to the Download Selection screen.

Otherwise, DMS downloads the selected files into the destination directory and returns to the Download Selection screen. The message "Process Complete" at the bottom of the screen verifies a successful download procedure.

Archive Data

Archive Data lists files that you can archive in a specified directory. Archive a file as follows:

1. Type A or use the up and down arrow keys to select Archive Data.
2. Press Enter to access the Archive Selection screen (Figure 6).

DMS - Archive Selection

Enter Desired Directory: E:*.*

Name	Type	Option	Date	Time	Comments
BATCH	DIR		15-May-1980	9:01a	Directory
CCF	DIR		12-Sep-1994	9:38a	Directory
CCFOLD	DIR		13-Sep-1994	2:27p	Directory
CRS	DIR		5-Jul-1994	10:06a	Directory
CTS	DIR		7-Sep-1994	7:42a	Directory
DMS	DIR		10-Oct-1994	3:37p	Directory
DOS	DIR		15-May-1980	8:57a	Directory
ETS	DIR		1-Jun-1994	1:10p	Directory
HALO88	DIR		8-Jan-1992	1:44p	Directory
KD	DIR		6-Aug-1990	10:42a	Directory

<Enter> Archive <Esc> Exit <F1> Help <F2> Mark Line <F3> Mark All <F4> Mark Range <F5> Toggle Sort

Figure 6. Archive Selection screen.

3. Type a valid MS-DOS pathname in the Enter Desired Directory field.
 - If you begin with a backslash, MS-DOS begins searching for the named file in the root directory of your tree structure.
 - If you do not specify a directory, DMS searches in the root directory of the current hard disk.

Archive Data

- If you do not start with the backslash, DMS searches in the current directory.

A path cannot exceed 60 characters. See the users manual for your PC or a book on MS-DOS or PC-DOS for a more complete description of the MS-DOS directory structure.

4. Press **Enter** to display the list in the File Information window.
 - a. You may highlight a file or mark some or all of the files in the list by using **F2**, **F3**, or **F4**. For more details regarding these keys, refer to the Function Key Designation Section (Page 2).
5. After you have selected the files for archiving, press **Enter** to access the File Destination window (Figure 7).
6. Enter the desired filename of the archived files.
7. Enter the destination path for the filename. The filename and destination path cannot exceed 8 and 60 characters respectively. If the specified directory does not exist, DMS will ask if you would like the directory created (similar to Figure 5).
 - a. Type **Y** to create the directory and archive the files or **N** to return to the Archive Selection screen.

Otherwise, DMS compresses the files into a single archive space and returns to the Archive Selection screen. The message "Process Complete" at the bottom of the screen verifies a successful archive procedure.

DMS - Archive Selection

Enter Desired Directory: C:**

Enter the Name of the file to contain the Archived files

NAME

Enter the destination path for NAME

C:\DMS\NAME

Description of Archive files

Batch Files

APPS						
AUTOEXEC	BAT	12-Sep-1994	10:08a	Batch file		
QRS	BAT	1-Feb-1994	2:37p	Batch file		
PWIS	BAT	6-Nov-1992	4:12p	Batch file		

<Enter> Archive <Esc> Exit <F1> Help <F2> Mark Line <F3> Mark All <F4> Mark Range <F5> Toggle Sort

Figure 7. File Destination window.

8. Press **Esc** to exit the Archive option and return to the main menu.

Restore Data

Restore Data decompresses files from an archive file. Restore a file as follows:

1. Type **R** or use the up and down arrow keys to select Restore Data from the main menu.
2. Press **Enter** to access the UnArchive Selection screen (Figure 8).

DMS - UnArchive Selection

Enter Desired Directory: C:\DMS*.ZIP

Option	R	Exit / Restore	
Name	Date	Time	Description
BADGE	12-Oct-1994	3:49p	
NAME	20-Oct-1994	3:00p	

<Enter> Restore <Esc> Exit <F1> Help <F2> Mark Line <F3> Mark All <F4> Mark Range <F5> Toggle Sort

Figure 8. Unarchive Selection screen.

3. Type the MS-DOS pathname that contains the archived files in the Enter Desired Directory field.

Restore Data

4. Press **Enter** to list the files in the File Information window. If the directory does not contain archived files, DMS will display the message "No files found" at the bottom of the screen.
 - a. You can view the contents of an archive file by pressing **L**. Use the arrow keys to highlight the desired archive file and press **Enter**.
5. Enter the destination path for the selected files. If the specified directory does not exist, DMS will ask if you would like the directory created (similar to Figure 5).
 - a. Type **Y** to create the directory and restore the files or **N** to return to the UnArchive Selection screen.

Otherwise, DMS decompresses the files from the selected archive file and returns to the UnArchive Selection screen. The message "Process Complete" at the bottom of the screen verifies a successful restore procedure.
6. Press **Esc** to exit the Archive option and return to the main menu.

Remove Files

Remove Files lists files that you can remove from your PC directories. Remove files from a directory as follows:

1. Type M or use the up and down arrow keys to select Remove Files from the main menu.
2. Press Enter to access the Removal Selection screen (Figure 9).

DMS - Removal Selection

Enter Desired Directory: C:\TESTS*.* Sorted by EXT

Name	Ext	Size	Attrb	Date	Time	Comments
WINA20	386	9349	---a	9-Apr-1991	5:00a	
CONFIG	DOS	84	---a	12-Oct-1994	7:12p	
SD	INI	1602	---a	12-Oct-1994	7:12p	
AUTOEXEC	OLD	372	---a	15-May-1992	8:16a	
AND1	ZFZ	66	---a	13-Oct-1994	3:14p	Download Config File

<Enter> Remove <Esc> Exit <F1> Help <F2> Mark Line <F3> Mark All <F4> Mark Range <F5> Toggle Sort

Figure 9. Removal Selection screen.

3. Type a valid MS-DOS pathname in the Enter Desired Directory field.

Remove Files

4. Press **Enter** to list the files in the File Information window.
 - a. You may highlight a file or mark some or all of the files in the list by using **F2**, **F3**, or **F4**. For more details regarding these keys, refer to the Function Key Designation Section (Page 2).
5. Press **Enter**, after you have selected the files to delete. Before the files are deleted from the directory, DMS will display a warning (Figure 10).

Figure 10. Deletion warning message.

- a. Press **Y** to delete the files from the directory or **N** to cancel the process and return to File Information window.

Remove Files

The message "Process Complete" at the bottom of the screen verifies a successful remove procedure.

6. Press **Esc** to exit the Archive option and return to the main menu.

Copy Files

Copy Files copies files from one directory to another. Copy files as follows:

1. Type **C** or use the up and down arrow keys to select Copy Files from the main menu.
2. Press **Enter** to access the Copy Selection screen (Figure 11).

DMS - Copy Selection

Enter Desired Directory: C:*.* Sorted by EXT

Name	Ext	Size	Attrb	Date	Time	Comments
APS	BAT	18	----	16-Apr-1993	11:14a	Batch file
AUTOEXEC	BAT	1121	----	12-Sep-1994	10:08a	Batch file
ORS	BAT	17	----	1-Feb-1994	2:37p	Batch file
PWIS	BAT	66	----	6-Nov-1992	4:12p	Batch file
XTGOLD	BAT	23	----	7-Mar-1994	9:41a	Batch file
PCC3	CFG	3913	-h--	27-Jul-1994	2:29p	
FILE0000	CHK	2048	----	28-Jul-1994	4:34p	
COMMAND	COM	47845	----	9-Apr-1991	5:00a	Executable File
FDRIVER	COM	4894	----	15-Dec-1989	0:00a	Executable File
IBMBIO	COM	32816	rhs--	3-Aug-1988	12:00p	Executable File

<Enter> Copy <Esc> Exit <F1> Help <F2> Mark Line <F3> Mark All <F4> Mark Range <F5> Toggle Sort

Figure 11. Copy Selection screen.

3. Type a valid MS-DOS pathname in the Enter Desired Directory field.

Copy Files

4. Press **Enter** to list the files in the File Information window.
 - a. You may highlight a file or mark some or all of the files in the list by using **F2**, **F3**, or **F4**. (You cannot copy directories.) For more details regarding these keys, refer to the Function Key Designation Section (Page 2).
5. Press **Enter** after you have selected the files to copy.
6. Enter the destination path for the selected files. If the specified directory does not exist, DMS will ask if you would like the directory created (similar to Figure 5).
 - a. Type **Y** to create the directory and copy the files or **N** to return to the Copy Selection screen.

Otherwise, DMS copies the selected files into the destination directory and returns to the Copy Selection screen. The message "Process Complete" at the bottom of the screen verifies a successful restore procedure.

7. Press **Esc** to exit the Copy option and return to the main menu.

Setup Configuration

Setup Configuration establishes the default settings for the local disk drive, network disk drive, and directory of PKZIP programs.

1. Type **S** or position the cursor on Setup Configuration from the main menu.
2. Use **Tab** or the up and down arrow keys to move among the fields in the Configure Data Manager window (Figure 12).
3. Press **Esc** to exit the Configure screen and return to the main menu.

Figure 12. Configure screen.

Setup Configuration

You can also change the default settings.

1. Place the cursor in the field.
2. Type the new setting into the field.
3. Press **Esc** to exit the Configure screen and return to the main menu.

Error Messages

DMS displays messages at the bottom of the screen if it cannot complete a command or to inform you of the possible consequences. The messages are listed in alphabetical order in both sections.

Each error message listed in this section is defined according to its meaning or cause. Each message also includes suggested corrections. When DMS detects an error while implementing a command, one of the following messages will appear at the bottom of the screen:

Cannot create local directory—You tried to create a directory, and one of the following problems exists:

1. You tried to create a subdirectory in a nonexisting directory.
2. The disk drive is full.
3. The directory name has illegal characters in it.

Perform a DIR of the root directory and subdirectories associated with the pathname. Verify the spelling and existence of the directory from which you wish to create the subdirectory. Check the spelling and syntax of the pathname.

Destination path must be entered—In the File Destination window, you pressed **Enter** to process the selected option without entering the destination path into the associated field. The system will place the cursor into the Destination Path for (filename) field. Enter the destination path and press **Enter** or press **Esc** to exit this window.

Directories cannot be copied—You attempted to copy a directory, and DMS does not permit you to copy directories. Select individual files within the directory and copy the files.

Error Message

Error removing indicated directory—You tried to remove a directory that has a read-only attribute associated with it or still contains files.

File already exists... Enter a new filename—You attempted to save a file that already exists in that path. Rename your file and then try saving it again or save the file to a different directory.

Full pathname is too long. Transfer will not be done—The pathname exceeds 60 characters.

Invalid Local Drive—You specified or mistyped a drive designator that does not exist in the Local Disk Drive field of the Configure screen. Verify the correct drive and enter it into the Local Disk Drive field.

Invalid Network Drive—You specified or mistyped a drive designator that does not exist in the Network Disk Drive field of the Configure screen. Verify the correct drive and enter it into the Local Disk Drive field. If the message persists, exit DMS. Verify that you are logged on to the network.

Invalid PKZIP Program Directory—You entered a directory with one of the following problems:

1. The directory does not exist.
2. The directory name has illegal characters in it.
3. You mistyped the pathname or filename.
4. PKZIP exists in a different pathname.
5. You forgot path characters ":" or "\" in your pathname.
6. You forgot to type the path character "\" between subdirectories.

Check this checklist and retry the command. Perform a DIR of the root directory and subdirectories associated with the pathname. Ensure that no file or device already exists with the same name. Verify spelling and syntax of the pathname.

Maximum number of files displayed—You have exceeded the 1000 file maximum for displaying files. Free some file space up by closing unneeded files.

Memory allocation failure in StoreEntry!—The area where DMS keeps track of in-use and available memory has a problem. Restart your computer. If this error is displayed again, DMS or your memory contains a flaw. Reinstall DMS from the network. If the problem persists, contact your systems administrator.

No data found... Verify Network drive in Setup—You entered an incorrect network designator in the Network Disk Drive field of the Configure screen. Return to the main menu and verify the correct network drive designator. Select Setup Configuration and check the designated value entered in the Network Disk Drive field. If required, enter the correct network designator into Network Disk Drive field.

No files found—DMS could not locate the specified file. One of the following errors occurred:

1. File does not exist.
2. You specified a local directory that does not exist on the system.
3. You mistyped the pathname or filename.
4. The file exists in a different pathname.
5. You forgot path characters ":" or "\" in your pathname.

Error Message

6. You forgot to type the path character "\" between subdirectories.
7. You forgot to enter a path into the Enter Desired Directory field before pressing Enter.

Check this checklist and retry the command.

Not enough disk space available for download—The disk does not contain sufficient available disk space to hold the file or software being downloaded. Verify the amount of disk space available. If you have insufficient disk space, free some disk space up by deleting unneeded files or use a different disk. Try the command again.

Not enough disk space available on disk—The disk does not contain sufficient available disk space to hold the file being written. Verify the amount of disk space available. If you have insufficient disk space, free some disk space up by deleting unneeded files or use a different disk. Try the command again.

Press <Esc> or <Ctrl-A> to interrupt process—DMS has tried to divide some number within the program by zero. Note the commands performed and the screen you were in when encountered this message. Contact your system's administrator and Software Engineering Products of Lockheed Idaho Technologies Company and inform them of the problem.

Error Messages

You are not logged on to the network—You selected Download from Network while you are not logged on to the network. Exit DMS, log on to the network, and start DMS to access the Download from Network option.

You must highlight a directory first—A filename was highlighted when you pressed F6 instead of a directory in the Copy or Removal options. Using the up and down arrow keys, highlight the desired directory.