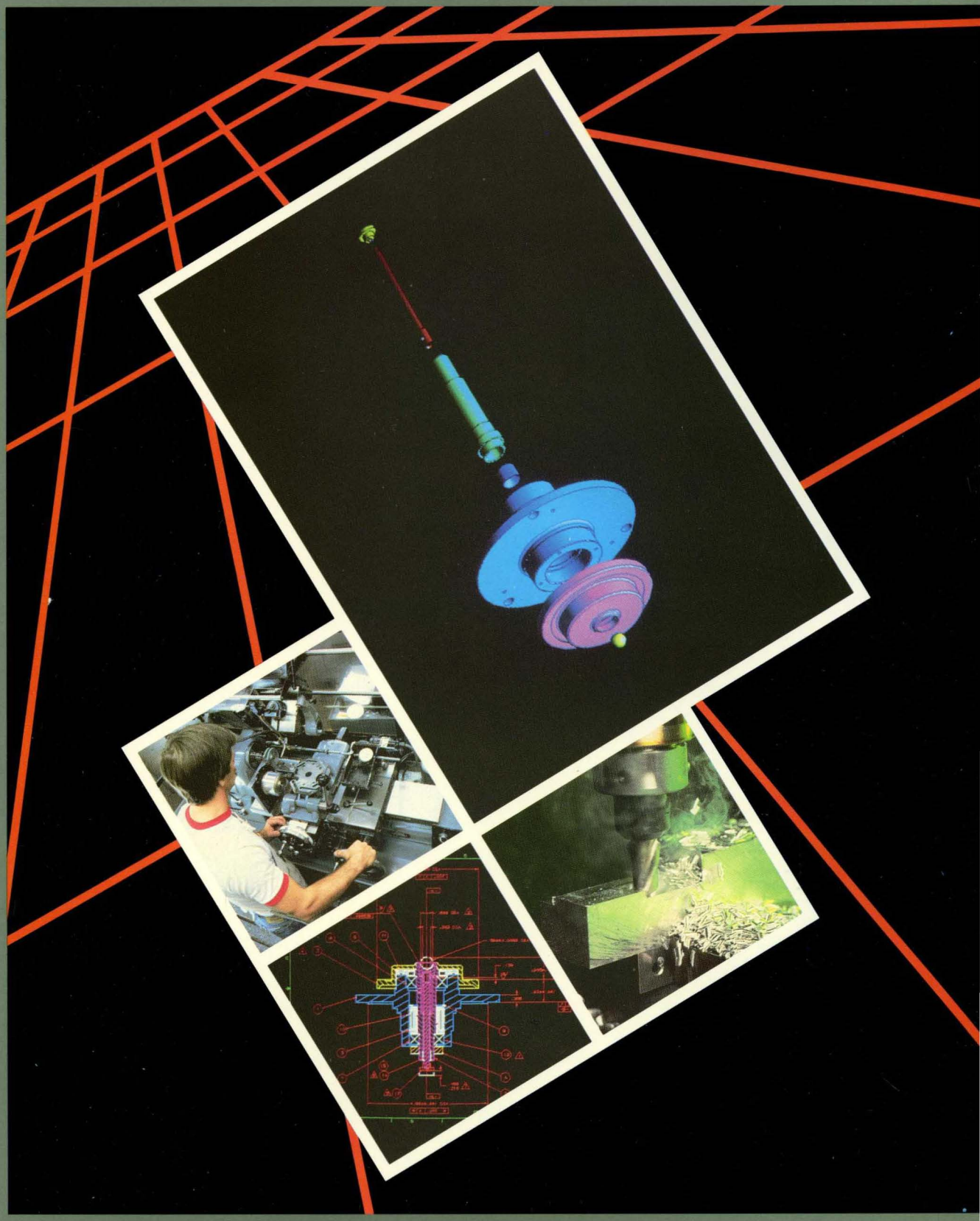
ICEM Engineering Data Library

User's Guide for NOS

CONTROL DATA



60000167

ICEM Engineering Data Library

User's Guide for NOS

This product is intended for use only as described in this document. Control Data cannot be responsible for the proper functioning of undescribed features and parameters.

Publication Number 60000167

Manual History

This manual describes user tasks for the ICEM Engineering Data Library (EDL) operating under NOS.

Revision	System Version	Date
A	1.2.5	January 1987

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About This Manual

This manual is an introduction to the CONTROL DATA® Integrated Computer-Aided Engineering and Manufacturing (ICEM) Engineering Data Library (EDL) as used on the Control Data Network Operating System (NOS). It is intended to explain EDL to new users.

ICEM EDL is a database for the storage, retrieval, status, and security of engineering data. It maintains information on all types of engineering data: mechanical drawings, solid models, finite element models, electrical designs, and initial graphics exchange (IGES) models.

EDL provides ease of entry into the following computer-aided design (CAD) packages: CDC® ICEM Design/Drafting/Numerical Control (DDN), CDC ICEM Solid Modeler, CDC UNISTRUC II, PATRAN, and ICEM Schematics. These may all be accessed through EDL.

Audience

This manual is intended for engineers, designers, and drafting personnel who are new to EDL. It describes typical tasks performed on EDL and gives step-by-step examples for most tasks.

This manual does not describe every task you can perform within EDL. It is designed to show you what you need to know to start using EDL immediately, and to help you find out how to perform any desired task. (The ICEM EDL Reference Manual contains complete descriptions of all EDL tasks.)

The manual assumes you are familiar with such general concepts as logging in, entering commands on a keyboard, and working with files. It also assumes that a database administrator (DBA) is available who has read and understands the database administrator manual delivered with your ICEM system.

Organization

There are 14 chapters in this manual, covering the following topics:

- Chapter 1, Introduction to EDL, introduces the main purpose of EDL, which is to provide access to many design packages through one database. It includes descriptions of the accessible design packages, also called ICEM applications, and explains EDL terminology.
- Chapter 2, Starting Your EDL Session, describes how to log in to NOS, and subsequently, EDL. It explains how to define your terminal configuration to EDL.
- Chapter 3, Using Menus and Commands, introduces the main task menu and describes how EDL branches to subsequent menus that appear for each task. It describes EDL conventions for menu selections and command entries, and includes information on prompt defaults and online help.
- Chapter 4, Defining Your User Profile and Default Files, describes how to access and change user information stored in EDL. It also explains how to set up the files that EDL automatically attaches when you access a particular ICEM application.
- Chapter 5, Accessing ICEM Applications, describes how to use EDL interactively to attach the files needed for an application, briefly explains how to access ICEM applications, and provides information on log processing.
- Chapter 6, Retrieving Engineering Data, describes how to select, retrieve, and display engineering data from the EDL database.
- Chapter 7, Updating EDL, explains how to add to or modify EDL information about engineering data.
- Chapter 8, Setting File Permissions, explains how to grant access permissions to your files.
- Chapter 9, Releasing Engineering Data, explains how to submit engineering data to the release process and how to review submitted data. It also describes the role of the releaser.
- Chapter 10, Transferring Engineering Data, describes how to transfer engineering data from one application to another.
- Chapter 11, Managing Files, describes the file management features available through EDL.
- Chapter 12, Creating Reports, lists the types of reports you can generate from information stored in the EDL database.
- Chapter 13, Controlling the Job Queue, describes how to display and control your batch jobs.
- Chapter 14, Managing Part Structures, explains how to create a hierarchy of part relationships by dividing parts into parent and component parts.

Conventions

Throughout this guide, any letter, number, or punctuation key is shown as the symbol it produces. For example, the key that produces a capital A is represented as A.

The key that ends a command entry may be marked RETURN, NEWLINE, NEXT, or something similar, depending on the terminal you are using. In this manual, the key is represented as CR.

All text that the system displays is shown in uppercase letters and highlighted with a special typeface, as shown below:

```
TEXT DISPLAYED BY THE SYSTEM
```

Related Publications

The following manuals contain information about EDL, NOS, and related ICEM applications.

EDL Manuals	Publication Number
ICEM EDL Instant for NOS	60000166
ICEM EDL Customization Guide for NOS	60000168
ICEM EDL Database Administrator's (DBA) Manual for NOS	60458880
ICEM EDL Reference Manual for NOS	60459740

Operating System Manuals	Publication Number
NOS Full Screen Editor User's Guide	60460420
NOS Version 2 Reference Set, Volume 1, Introduction to Interactive Usage	60459660
NOS Version 2 Reference Set, Volume 3, System Commands	60459680
NOS Version 2 Reference Set, Volume 4, Program Interface	60459690
XEDIT Version 3 Reference Manual	60455730

ICEM Application Manuals	Publication Number
CYBERNET UNISTRUC II Reference Manual	76079600
ICEM DDN Instant	60457140
ICEM Design/Drafting Advanced Design	60461430
ICEM Design/Drafting Basic Construction	60461420
ICEM Design/Drafting Data Management	60461410
ICEM Design/Drafting Drafting Functions	60461440

ICEM Application Manuals	Publication Number
ICEM Design/Drafting GRAPL Programming Language	60461460
ICEM Design/Drafting Introduction and System Controls	60457130
ICEM Design/Drafting Numerical Control	60461450
ICEM Design/Drafting User's Guide	60456940
ICEM GPL Reference Manual	60462520
ICEM Schematics Reference Manual	60456540
ICEM Solid Modeler Version 1.13 Reference Manual	60460530
IGES Reference Manual	60463050
PATRAN Reference Manual, Volume 1	60459330
PATRAN Reference Manual, Volume 2	60459340
UNIPLOT Version 3 User's Guide/Reference Manual	60454730
UNISTRUC II User's Guide	60457550

Ordering Manuals

Control Data manuals are available through Control Data sales offices or through Control Data Corporation Literature Distribution Services (308 North Dale Street, St. Paul, Minnesota 55103).

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Control Data Corporation
Technology and Publications Division ARH219
4201 Lexington Avenue North
St. Paul, Minnesota 55126-6198

Please indicate whether you would like a written response.

Introduction to EDL 1

Introduction to EDL 1

ICEM EDL is a database for sharing and managing information about engineering data. As a library provides a central location for many people to use in sharing the same book, EDL provides a consolidated database from which many users can share the same part information. EDL also facilitates shared access to the ICEM mechanical and electrical design packages.

In addition to its shared database features, EDL has security management features, user profile information, and report generating capabilities.

EDL's shared, consolidated database provides the following benefits:

- Easy access to computer-aided design packages, and the ability to move from one package to another. Design packages are called applications.
- Shared part information among approved departments at your site. Part information is also called part geometry.

Shared Database of Design Packages

EDL's shared database of design packages allows you to enter applications easily and to move between applications more freely than you could by entering the applications individually. Figure 1-1 shows the applications and related facilties managed by EDL.

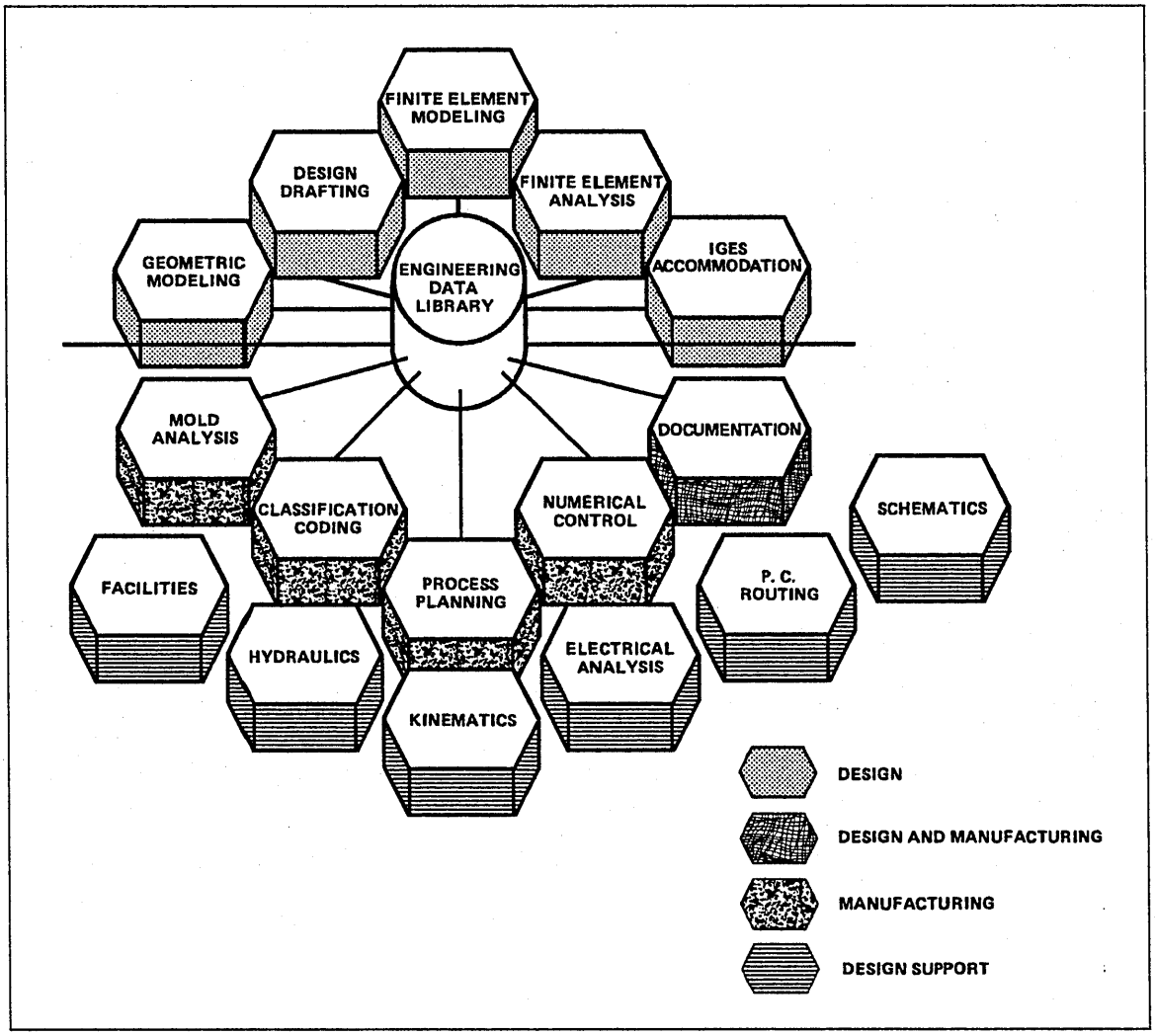

Figure 1-1. Applications Managed by EDL

The following list describes the applications you can retrieve through EDL.

- ICEM Design/Drafting/Numerical Control (DDN) provides an automated method of designing and dimensioning two- and three-dimensional engineering designs. It can also be used to create and modify numerical control toolpaths.
- ICEM Solid Modeler allows you to design and view three-dimensional models. It transforms a design idea into a detailed solid model that you can view from many angles.
- UNISTRUC II generates the data to structurally analyze a model with analysis programs such as STARDYN, NASTRAN, or ANSYS. When structural analysis is complete, UNISTRUC II displays the graphic results.
- PATRAN generates the data to structurally analyze a model with the ABAQUS and

NASTRAN programs. When structural analysis is complete, PATRAN displays the graphic results.

- ICEM Schematics aids the logical description of electrical circuits by providing an interactive program to create, display, and modify circuit parts. It also provides a graphic, step-by-step program to interconnect the parts into a logical net list that you can transfer to an automatic router.

Shared Database of Part Geometry

With EDL, the geometry of frequently used parts can be shared among approved departments at your site. Once a designer or draftsperson enters a part into EDL, the geometry of that part can be made available to all validated users. Figure 1-2 illustrates the sharing of part geometry at a site. Notice that the design, drafting, numerical control, and manufacturing departments can all use the part geometry. This shared use of part geometry eliminates the duplication of effort that would result if each department were to design the part individually.

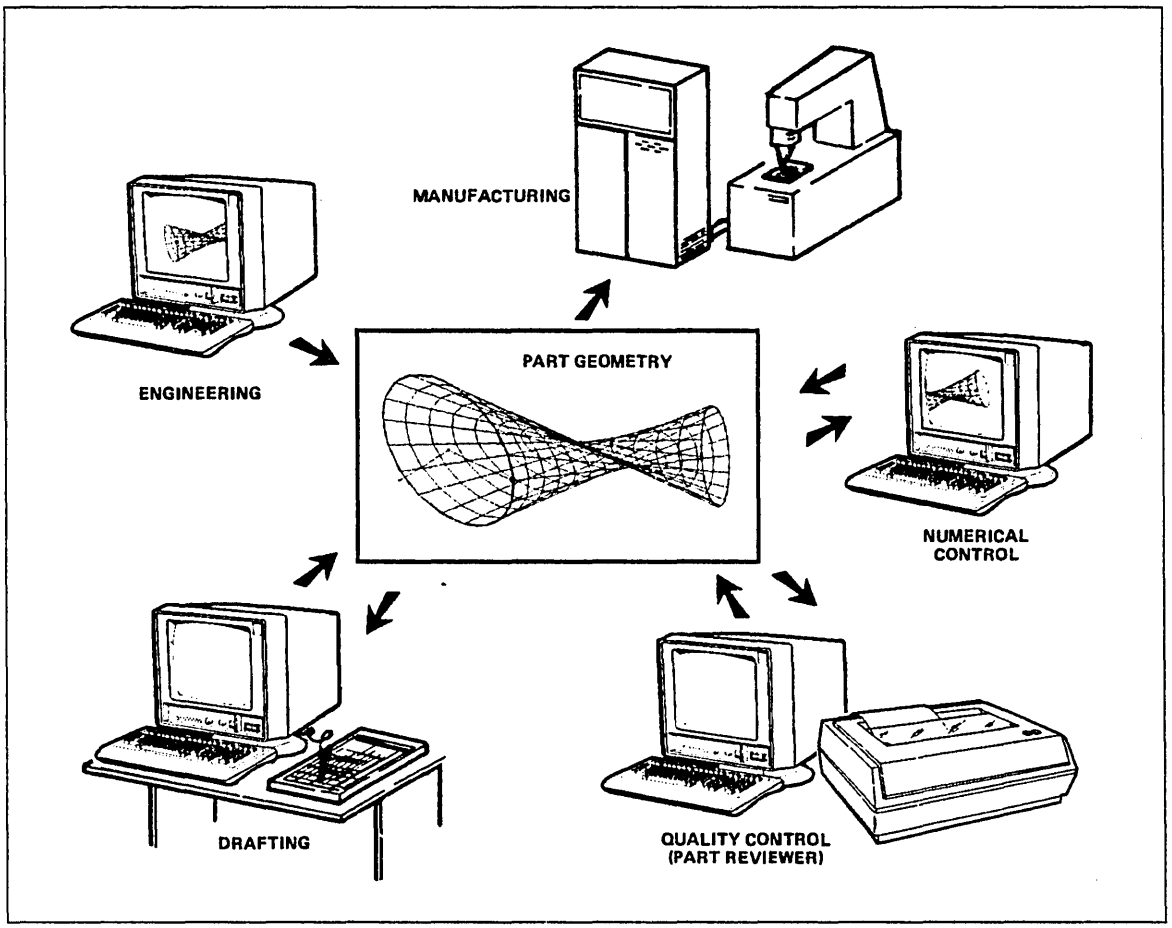

Figure 1-2. Sharing of Part Geometry

In summary, the EDL shared database accomplishes the following:

- Provides ease of entry into applications, and the ability to move from one application to another to complete your design.
- Allows sharing of part geometry among all approved departments at your site.

EDL Terminology

EDL does not store actual engineering data. Instead, it creates information (keys) *about* engineering data that you can share and manage. An important aspect of EDL is the terminology used to label engineering data. Some labels are system defined and used internally by EDL. Other labels are simply descriptive terms that provide additional keys for EDL to use when accessing data. The labels used, and whether or not they are mandatory, frequently depend on your site's requirements.

Figure 1-3 is a diagram of the EDL labels and their relationship to each other.

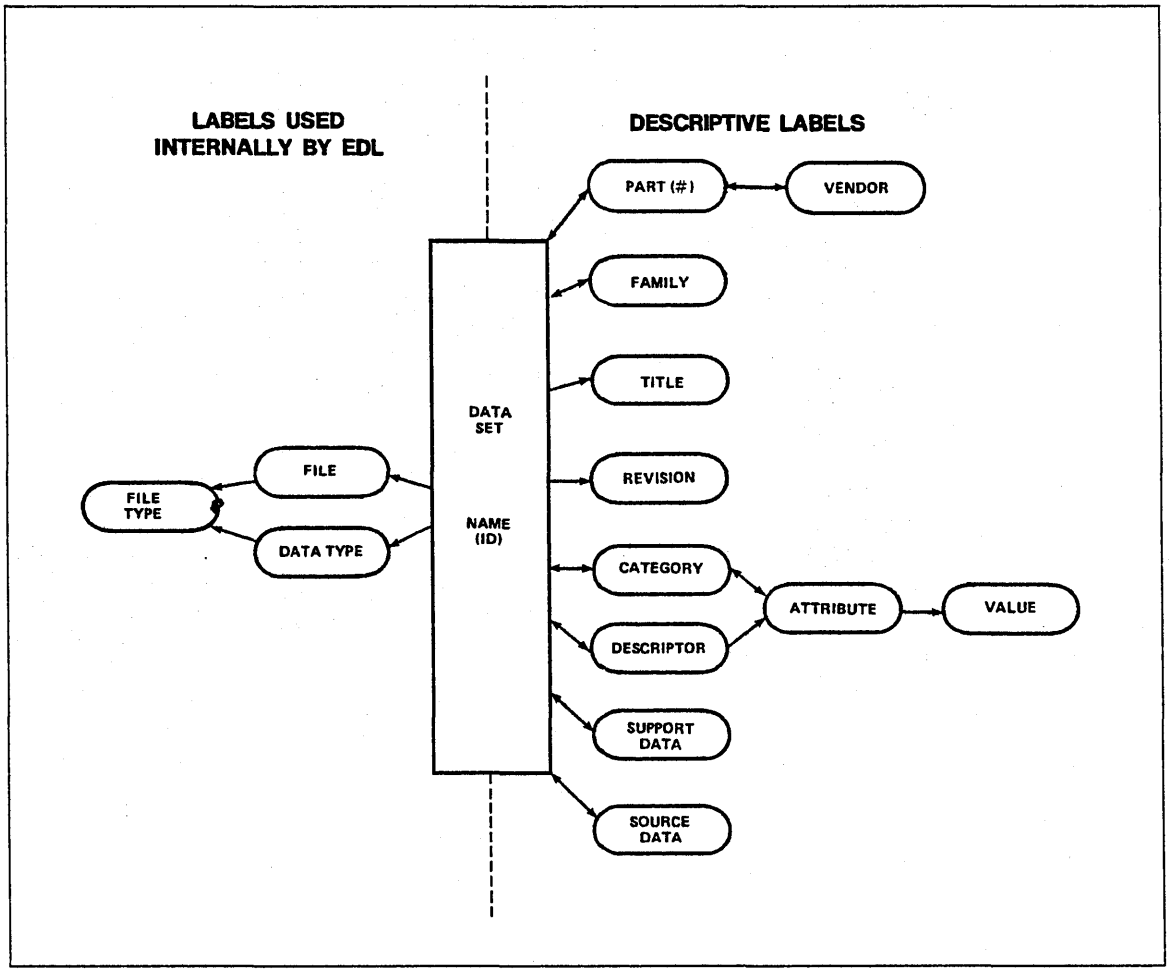

Figure 1-3. EDL Labels

System-Defined Labels

A data set is a unique piece of engineering information managed by EDL. For example, a data set may be a single drawing, a pattern, a solid model workspace, a document, or a finite element model, depending on your application.

A data set exists on a file. Keep in mind, however, that a data set is not the same as a file. For example, you can save an empty file, but that file would contain no data sets about which you could retrieve EDL information.

Each data set is uniquely identified by the file on which it exists (file type) and the application-dependent name within the file (data type). For example, a solid model is identified by these labels: library file and workspace name. An ICEM DDN drawing is identified by drawing file, drawing name, and sheet.

When you want to retrieve data in EDL, you can get lists of your data sets according to their file type or data type. Data sets can also be listed according to descriptive labels that you provide.

Descriptive Labels

You can store optional information about a data set in EDL for the purpose of accessing data by multiple keys. You can supply the following descriptive labels for a data set:

- Part - A part is the completed physical product of your engineering designs. It is identified by a unique part number, determined by your site, that can have up to 70 alphanumeric characters. You can assign revision levels to parts; however, revision level is the only criterion that cannot be used by EDL for retrieval. You can also divide parts into parent parts and component parts. A parent part and its components are often called an assembly.

- Vendors and families - A part number may be associated with a vendor and/or a family. A data set may also be directly related to a family.

- Title (description) - You can give a data set a title or description of your choice, up to 100 characters in length.

- Engineering category - Your site defines engineering categories that group data sets by their use or characteristics. Examples of category are: product definition data, tooling data, and sketch. This label is required by EDL.

- Descriptors (attributes and values) - An attribute and its value make up a descriptor. An attribute is the characteristic information about a drawing, model, or part such as size or material. Each attribute has a specific value. Each engineering category may have an associated list of attributes defined by your DBA. For example, a particular category might have the following attributes: product line, size, material, and sales model code.

- Support data - You may want to specify other data that support your data set. This criterion is used when updating, adding, or deleting data that may affect another data set and vice versa. For example, an ICEM DDN drawing may be supported by a special character set that must be available when the drawing is displayed.

- Source data - You can use this criterion to indicate data sets that are the source of your data set. For example, a color-shaded picture can be derived from a solid model or workspace. You may need to consider this derivative relationship when data is added, updated, or deleted.

EDL uses the preceding criteria, with the exception of revision level, when it searches the database for specific information to use in a retrieval list or report. When you invoke the appropriate task, EDL prompts you for criteria values, then searches the database to find all data sets that meet the criteria you are permitted to access.

Retrieval by criteria is independent of data type. For example, more than one type of data, such as a drawing and a solid model workspace, may appear on the same retrieval list if they belong to the same family. Once you make a selection from a retrieval list, EDL automatically invokes the correct application to display the data.

Starting Your EDL Session 2

Starting Your EDL Session 2

This chapter describes how to log in to NOS, and subsequently, EDL. It also provides information on defining your terminal configuration to EDL.

Logging in to EDL

Before logging in, obtain your NOS user name and password. Your database administrator (DBA) can provide your EDL user identification and password.

1. When the NOS header and the word FAMILY: appear on your screen, enter your NOS family name, your NOS user name, and your password, separated by commas. The system displays a slash (/) or a READY prompt to indicate that it is ready.

2. Enter EDL. This procedure varies, depending on your site. Obtain instructions from your DBA. The system displays the following prompt:

```
ENTER EDL USER IDENTIFICATION
```

3. Log in to EDL using one of the following methods:

   a. Enter both your EDL user identification and your EDL password, separated by a slash.

   b. Enter your EDL user identification. Wait for the password prompt, then enter your EDL password.

   (If you enter an incorrect user identification twice, the session terminates and the system displays the message INVALID USER-END THIS SESSION. If this happens, ask your DBA for the correct EDL user identification and password. Then log in again.)

NOTE

In general, this manual does not describe error messages or actions to take in response to such messages. The ICEM EDL Reference Manual contains a complete list of EDL error messages.

The system displays your current terminal configuration and the first EDL menu for which you are validated. This is typically the User Tasks menu. (The next section, Defining Your Terminal Configuration, describes how to define your terminal's configuration for your site.)

Any EDL menu or prompt may be customized for your particular site. Therefore, the menus and prompts you see may be different from the examples shown in this manual.

The following example illustrates logging in to EDL.

```
WELCOME TO THE NOS SOFTWARE SYSTEM.
COPYRIGHT CONTROL DATA 1978, 1984, 1986.

87/02/12. 16.19.55. T15A42
(00) CY174 S/N 806 NOS CLSH.              NOS 2-617/617-02.

FAMILY: nosfam,nosuser,nospass
JSN: ABZE, NAMIAF

/-,edl

  87/02/12.      ICEM ENGINEERING DATA LIBRARY VERSION 1.2.5     16.21.55.
                       COPYRIGHT CONTROL DATA CORP., 1984, 1986, 1987


         ENTER EDL USER IDENTIFICATION
? m y i d _ _ _ _ _ _
         ENTER EDL PASSWORD
? m y p a s s _ _ _ _

         CURRENT TERMINAL CONFIGURATION
         GRAPHICS TERMINAL      CDC VIKING 721
         DIALOG AREA            ON GRAPHICS TERMINAL
         COMMUNICATIONS RATE    9600 BAUD
         COMMUNICATIONS TYPE    ASYNCHRONOUS
         TABLET                 NO
         LOCAL ASSIST           DEFAULT
         LOCAL DISPLAY          DEFAULT
         EGM                    NO
         BIT PLANES             4

          USER TASKS
      1.  EXIT                                  E,EXIT
      2.  ICEM APPLICATIONS                     ICEM
      3.  RETRIEVE ENGINEERING DATA             RETRIEVE
      4.  TRANSFER ENGINEERING DATA             TRANSFER
      5.  RELEASE ENGINEERING DATA              RELEASE
      6.  FILE MANAGEMENT                       FILE
      7.  UPDATE EDL FOR ENGINEERING DATA       UPDATE
      8.  USER PROFILE                          PROFILE
      9.  REPORTS                               REPORTS
     10.  JOB QUEUE CONTROL                     QUEUE
     11.  PART STRUCTURE MANAGEMENT             STRUCTURE
ENTER TASK
?
```

Defining Your Terminal Configuration

Your terminal configuration appears when you log in to EDL. You can change the characteristics of the terminal used in your EDL session. In particular, it is important to set the terminal type correctly when you want to use your editor. You would normally change the other settings only if you were entering one of the ICEM graphics applications, for example, ICEM DDN or the ICEM Solid Modeler. EDL sets the terminal configuration for other application programs as they are executed.

1. Before you start your EDL session, check to see that your terminal configuration is set correctly. If you are unsure of your terminal's specifications, ask your system administrator for help.

2. If your terminal configuration is incorrect, enter the TERMINAL command at the ENTER TASK prompt to display the Terminal Configuration Control menu shown below.

```
      TERMINAL CONFIGURATION CONTROL
 1.   EXIT                                  E,EXIT
 2.   SET GRAPHICS TERMINAL                 TT
 3.   SET DIALOG AREA (MENU AREA)           MA
 4.   SET COMMUNICATIONS RATE (BAUD RATE)   BR
 5.   SET COMMUNICATIONS TYPE               CT
 6.   SET TABLET STATUS                     TB
 7.   SET LOCAL CHARACTER SET AND GRID      LA
 8.   SET LOCAL DISPLAY STATUS              LD
 9.   SET EGM STATUS                        EGM
10.   SET NUMBER OF COLOR BIT PLANES        BP
SELECT OPTION
?
```

3. You may select any of the options to change your terminal configuration. For example, to set your terminal type, enter 2 or TT to use option 2 SET GRAPHICS TERMINAL. Then indicate the terminal type by selecting the appropriate option.

   You need to set the terminal configuration only once. It remains in effect even after you log out.

The following list explains the terminal characteristics you may change.

Characteristic	Explanation
Graphics terminal	Specifies the type of terminal you are using. The terminal type is usually indicated on the front of the terminal.
Dialog area	The dialog area option is used only by ICEM DDN to determine where non-graphics dialog text and menus are to be displayed. Select option 2 to have text sent to the graphics area. Select option 3 only if you have a Tektronix 4014 or a Tektronix 4016 terminal with an interactive buffer. Select option 4 if you have a Tektronix 4014 or a Tektronix 4016 terminal with a refresh buffer. Use the other options only if you have a microprocessor-assist designer workstation or a Tektronix 4114 with the indicated terminal as an attached alphanumeric device.
Communications rate	The communications rate (also called the baud rate) is important for refresh terminals that need a short, two-second settle-down time after the screen clears.
Communications type	Refer to your terminal operator's guide for its communications type. Asynchronous communication is the standard type.
Tablet	Sets graphics tablet status.
Local character set and grid	This feature is offered only with ICEM DDN. It provides split screen capability, fast clearing and repainting of the screen, type ahead, and tablet press ahead.
Local display status	The local display file, which provides local in-terminal memory for graphics information, is available only for ICEM DDN. It is used only in Tektronix model 411x series terminals.
Set EGM status	Sets enhanced graphics module (EGM) status. EGM increases resolution and is available only for UNISTRUC II on Tektronix model 401x series terminals.
Color bit planes	Sets the number of color bit planes between two and eight. The Tektronix 4115 and other color graphics terminals can be equipped with a variable number of bit planes that determine the number of colors that the terminal can display. This setting is only used by the ICEM Solid Modeler.

4. When you have set your terminal configuration, enter E to exit to the User Profile menu.

5. Enter E again to exit the User Profile menu to the User Tasks menu. From this menu you can access all the other EDL tasks.

   The next chapter, Using Menus and Commands, further explains the User Tasks menu and EDL conventions for menu selections and command entries.

Using Menus and Commands 3

Using Menus and Commands 3

This chapter explains the User Tasks menu and describes EDL conventions for menu selections and command entries. It also includes information on prompt defaults and online help.

User Tasks Menu

The main menu in EDL is the User Tasks menu. It is usually the first menu to appear after you log in to EDL. You access most tasks and applications from this menu. A sample User Tasks menu is shown below.

```
        USER TASKS
    1.  EXIT                              E,EXIT
    2.  ICEM APPLICATIONS                 ICEM
    3.  RETRIEVE ENGINEERING DATA         RETRIEVE
    4.  TRANSFER ENGINEERING DATA         TRANSFER
    5.  RELEASE ENGINEERING DATA          RELEASE
    6.  FILE MANAGEMENT                   FILE
    7.  UPDATE EDL FOR ENGINEERING DATA   UPDATE
    8.  USER PROFILE                      PROFILE
    9.  REPORTS                           REPORTS
   10.  JOB QUEUE CONTROL                 QUEUE
   11.  PART STRUCTURE MANAGEMENT         STRUCTURE
ENTER TASK
?
```

NOTE

If the User Tasks menu is not the first menu you see, enter the USER or MAIN command to display the menu.

The tasks in the User Tasks menu access all the applications and tools typically needed to use the ICEM system. The following list describes these tasks.

Task Name	Explanation
EXIT	Ends EDL processing and returns control to NOS. The NOS slash (/) or the READY prompt appears when the EDL session ends.
ICEM APPLICATION	Accesses the ICEM Applications menu, which provides entry to ICEM design packages. This task is explained in chapter 5.
RETRIEVE ENGINEERING DATA	Accesses the Data Retrieval Method menu, which provides criteria by which you can select a data set, display information about it, and then go to the related application menu. This task is explained in chapter 6.
TRANSFER ENGINEERING DATA	Manages data transfer, including translation from one application data type to another. This task can also be used to load an IGES model or drawing from another system to EDL, or from EDL to another system. This task is explained in chapter 10.

Task Name	Explanation
RELEASE ENGINEERING DATA	Provides access to the release process for approving and protecting engineering data. Reviewers and releasers use the release feature to approve data and determine whether it meets the requirements for release as a documented part. This feature is explained in chapter 9.
FILE MANAGEMENT	Provides security and file manipulation. With this task, you can save files, define files, archive files, and grant or remove permission to access your files. This task is explained in chapters 8 and 11.
UPDATE EDL FOR ENGINEERING DATA	Adds to or modifies engineering data files on the EDL database or another system. Updating is discussed in chapter 7.
USER PROFILE	Provides information about the user. The User Profile menu allows you to configure your terminal (refer to chapter 2) and define your user profile and default application files (refer to chapter 4).
REPORTS	Generates reports about information stored in EDL. This task is discussed in chapter 12.
JOB QUEUE CONTROL	Allows you to monitor batch jobs generated by EDL tasks or ICEM applications. This task is explained in chapter 13.
PART STRUCTURE MANAGEMENT	Enables you to create a hierarchy of part relationships by defining parent and component parts. This task is explained in chapter 14.

Using Task Menus

An important concept in EDL is the distinction between task menus and option menus. Task menus are command level menus. A typical task menu is the ICEM Applications menu shown in the following example.

```
        ICEM APPLICATIONS
   1.  EXIT                              E,EXIT
   2.  DESIGN/DRAFTING/NC                DDN
   3.  SOLID MODELING                    ISM
   4.  UNISTRUC II                       US
   5.  PATRAN                            PAT
   6.  ICEM SCHEMATICS                   SCH
   7.  PLOTTING                          PLOT
   8.  GRAPHICS PROGRAMMING LANGUAGE     GPL
ENTER TASK
?
```

A task menu lists the available task selections on the left side of the display. Each task is prefaced by an index number. On the right side of the display are commands that correspond to the task. Some task commands have abbreviations you can enter instead of the full command name. For example, you can enter E instead of the EXIT command.

The prompt after the selection list is ENTER TASK. You may enter any of the index numbers to select a task, or you may enter the task command for that task. In the User Tasks menu, for example, you may enter either the index number 2 or the command ICEM to access the ICEM Applications menu. The ENTER TASK prompt is the only format difference between a task menu and an option menu.

If you are in a task menu, you can enter the command for any task whether or not it is listed on the menu. A command always invokes the same task regardless of which task menu is active. As you become familiar with EDL, you may use task commands to go directly to the task you want to perform. (The last three pages of this manual contain a list of all EDL commands.)

A type-ahead feature is available in EDL. This feature allows you to enter several menu selections at once, separated by a slash (/) between the selections, for example, ICEM/3/2. A slash is the EDL default delimiter.

NOTE

Pressing the carriage return key (CR) always selects the first menu item (task 1 or option 1). Since the first menu item is typically EXIT, CR usually returns you to the previous menu. In addition, CR selects N (no) in response to a yes or no (Y/N) system prompt.

Using Option Menus

Option menus are a level below task menus. They do not operate at the command level. The only difference in format is the prompt that reads SELECT OPTION (rather than ENTER TASK). Unlike task menus, option menus only accept responses that are relevant to that particular menu.

A typical option menu is the Alternate Files menu shown below. This menu lets you specify alternate files to be attached before you enter an application.

```
      ALTERNATE FILES
 1.   ENTER APPLICATION           APPL,GO
 2.   EXIT TO TASK MENU           E,EXIT
 3.   LIST LOCAL FILES            L,LOCAL
 4.   RETURN LOCAL FILES          R,RETURN
 5.   ATTACH FILE BY FILE TYPE    T,TYPE
 6.   ATTACH FILE BY FILE NAME    N,NAME
SELECT OPTION
?
```

NOTE

Pressing CR from this menu does not return you to the previous menu. Instead, a CR entry takes you into the application you selected.

In the Alternate Files menu, as in all option menus, you make your selection by entering an index number or by entering the keyword (or its abbreviation) listed on the right side of the display. *Although the menu resembles a task menu, the words on the right side of the menu are keywords rather than commands.* You may enter a keyword only from the menu on which the keyword appears. It cannot be entered as a selection from any other option or task menu.

You cannot enter commands from an option menu (except for the M, HELP, and ? global commands discussed in the next section). Index numbers and keywords are the only input that option menus will accept.

Interactive EDL prompts work at the same level as the ENTER OPTION prompt. An interactive prompt will accept only the information specified in that prompt. You cannot enter commands from an interactive prompt (except for the HELP and ? global commands discussed in the next section).

Global Commands

In addition to task commands, EDL has global commands that do not appear on any menu. You can enter these commands from any task menu (that is, when the prompt says ENTER TASK). The following table lists the global commands and their meanings.

Command	Meaning
QUIT, Q, or STOP	Terminates your EDL session
FIRST or F	Clears all pending tasks and returns you to the first task executed when you logged in to EDL, typically the User Tasks menu
HELP or ?	Provides online help information. You can enter these commands from any menu or prompt.
M	Toggles (controls) the amount of information displayed in menus. You can toggle between a full menu (the default) with header, lines, and commands or keywords; a brief menu of header, line numbers, and commands or keywords; and the menu header only. You can enter this command from an option menu also.
TASKS or COMMANDS	Displays an alphabetical listing of all task commands and an explanation of each command
NOTE	Allows you to read or send a note to another EDL user. (Refer to the ICEM EDL Reference Manual for more detailed information on the NOTE command.)

Exiting EDL

Entering QUIT, Q, or STOP ends your EDL session and returns you to the NOS slash (/) or READY prompt. You can then enter any desired NOS command.

When you exit from a task menu, EDL displays the task menu that was previously active. However, if you exit all the active task menus, EDL displays the following menu.

```
        CHOOSE NEXT TASK TO BE EXECUTED
    1.  CHOOSE NEXT TASK
    2.  BEGIN YOUR FIRST TASK                    F,FIRST
    3.  QUIT THIS EDL SESSION                    Q,QUIT,STOP
ENTER TASK
?
```

You can exit EDL from this menu by entering QUIT, Q, or STOP, or by entering 3, EXIT, or E.

User Tasks Foldout

The following foldout (figure 3-1) shows all the menus you can access from the standard User Tasks menu.

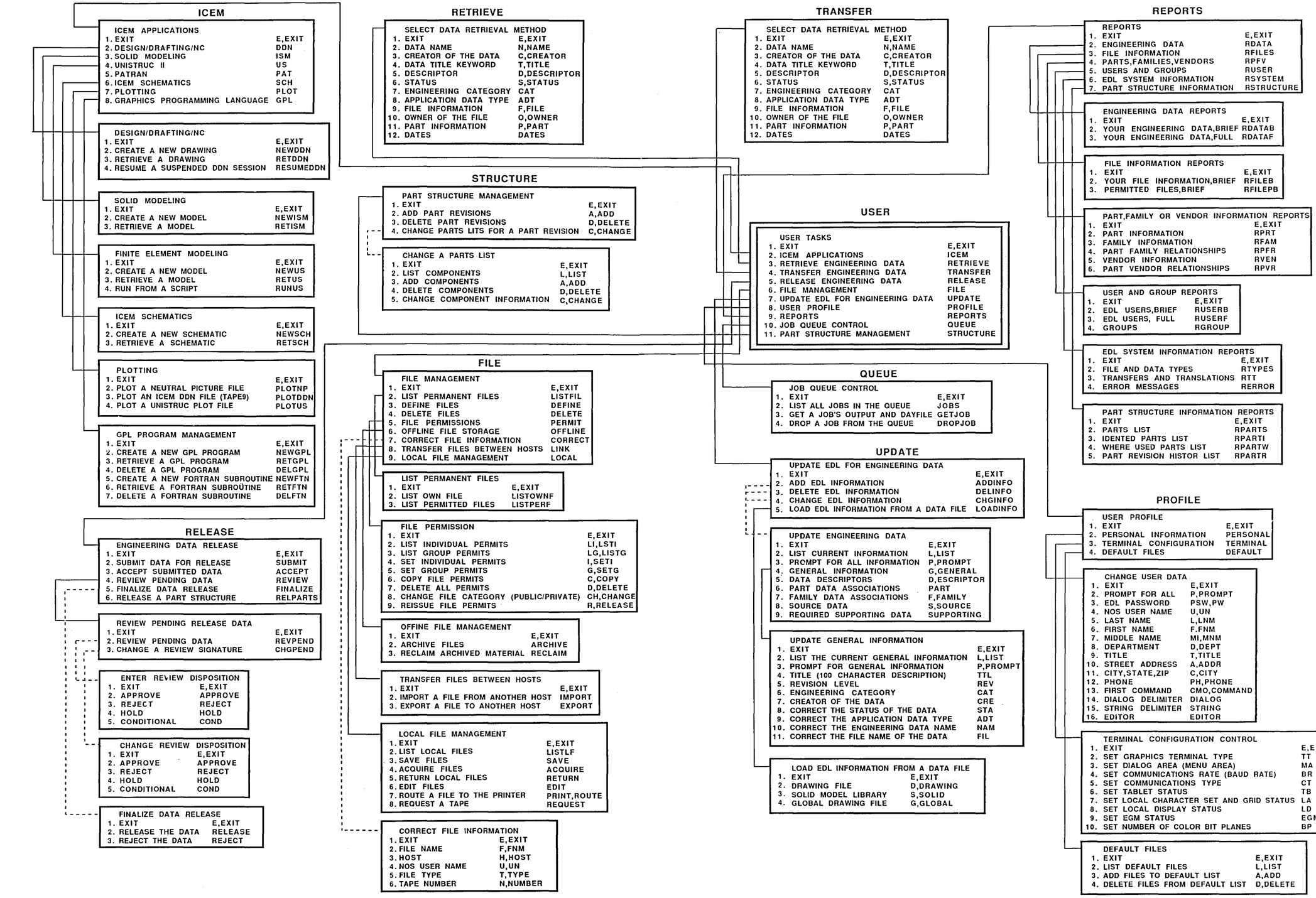

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Figure 3-1. User Tasks Foldout

Defining Your User Profile and Default Files 4

Defining Your User Profile and Default Files 4

This chapter describes how to access and change information in your EDL user profile. It also explains how to set up and change the files EDL automatically attaches when you access an ICEM application.

Setting Your User Profile

The following steps describe how to change information in your EDL user profile.

1. Enter 8 or the PROFILE command from the User Tasks menu to display the User Profile menu shown in the following example. You have already used one of the options on this menu to define your terminal configuration. This menu also enables you to modify the information in your user profile, such as your name, address, and telephone number; your string and input delimiters; your EDL password; and the first task command executed when you log in to EDL.

```
        USER PROFILE
    1.  EXIT                          E,EXIT
    2.  PERSONAL INFORMATION          PERSONAL
    3.  TERMINAL CONFIGURATION        TERMINAL
    4.  DEFAULT FILES                 DEFAULT
ENTER TASK
?
```

2. Enter 2 or PERSONAL to display current user profile information and the Change User Data menu shown below.

```
        CHANGE USER DATA
    1.  EXIT                          E,EXIT
    2.  PROMPT FOR ALL                P,PROMPT
    3.  EDL PASSWORD                  PSW,PW
    4.  NOS USER NAME                 U,UN
    5.  LAST NAME                     L,LNM
    6.  FIRST NAME                    F,FNM
    7.  MIDDLE NAME                   MI,MNM
    8.  DEPARTMENT                    D,DEPT
    9.  TITLE                         T,TITLE
   10.  STREET ADDRESS                A,ADDR
   11.  CITY, STATE, ZIP              C,CITY
   12.  PHONE                         PH,PHONE
   13.  FIRST COMMAND                 CMD,COMMAND
   14.  DIALOG DELIMITER              DIALOG
   15.  STRING DELIMITER              STRING
   16.  EDITOR                        EDITOR
SELECT OPTION
?
```

3. Before you start your first EDL session, check that your user profile is set up correctly. If you are unsure of any entries, ask your system administrator for help.

4. To change your personal information, select any of the options listed on the Change User Data menu. For example, to change your street address, use option 10 STREET ADDRESS by entering 10, A, or ADDR. Then enter the correct address.

   If you want to be prompted to change all your user data, select option 2 PROMPT FOR ALL.

   You need to set your user profile only once. It remains in effect even after you log out.

   The following list explains selected options on the Change User Data menu.

Option	Explanation
Prompt for All	EDL steps through the remaining options on the menu so you can make changes. Within these options, a CR leaves information unchanged and executes the next option.
EDL Password	Changes your EDL password.
Last Name	Changes information regarding your last name. It is important that your last name be correct as individual file permissions are granted according to last name.
NOS User Name	Changes your NOS user name on the EDL database. Note that if you change your user name, you may not be able to access your own files.
First Command	Changes the first command to be executed when you log in to EDL.
Dialog Delimiter	Changes your dialog delimiter. A slash (/) is the default EDL delimiter. You cannot change the delimiter used in the login process. Your dialog and string delimiters must be different characters.
String Delimiter	Changes your string delimiter. Your dialog and string delimiters must be different characters.
Editor	Changes the default editor that EDL attaches so you can work with files within an application. The most commonly used editors are Full Screen Editor (FSE) and XEDIT.

5. After you finish setting your user profile, enter 1, E, or EXIT. If you made changes, the following message is displayed:

```
*** YOUR PROFILE HAS BEEN CHANGED ***
```

   EDL then returns to the User Profile menu.

Setting Up Default Files

This section explains how to set up and change the files EDL automatically attaches when you access an ICEM application. For example, you may want to add a TAPE3 file and a tablet file to the default file list to automatically attach these files when you enter ICEM DDN.

Entering 4 or DEFAULT from the User Profile menu displays the following Default Files menu. This menu enables you to add, list, and delete files from the default file list.

```
        DEFAULT FILES
    1.  EXIT                                E,EXIT
    2.  LIST DEFAULT FILES                  L,LIST
    3.  ADD FILES TO DEFAULT LIST           A,ADD
    4.  DELETE FILES FROM DEFAULT LIST      D,DELETE
SELECT OPTION
?
```

Adding Files to the Default List

The following steps describe how to add files to the default file list.

1. Enter 3, A, or ADD to select ADD FILES TO DEFAULT LIST. EDL displays the following Application Selection menu:

```
        APPLICATION SELECTION
    1.  EXIT                                E,EXIT
    2.  ICEM DDN                            DDN
    3.  ICEM SCHEMATICS                     SCH
    4.  PATRAN                              PAT
SELECT OPTION
?
```

2. Select the application for which you want to specify default files, for example, ICEM DDN. The following prompt is displayed:

```
ENTER THE LOCAL FILE NAME FOR THE DEFAULT FILE OR CR TO EXIT
?
```

3. Enter the local file name by which the application refers to the file, for example, GPART. The following prompt is displayed:

```
ENTER THE FILE NAME OF THE FILE TO BE ADDED OR CR TO RETURN
?
```

4. Enter the permanent file name, for example, GPI. Once you enter a file name, EDL prompts you for the NOS user name for the file:

```
ENTER THE NOS USER NAME FOR THIS FILE OR CR FOR YOUR OWN
?
```

5. You can respond with a seven-character NOS user name or CR, which EDL interprets as the user name of the current job.

   If the file does not exist, EDL displays the following messages:

```
EDLU3302 THE FILE IS NOT FOUND IN EDL

DO YOU WISH TO CREATE A NEW FILE WITH THE NAME SPECIFIED
ENTER YES OR NO (Y/N)
?
```

6. If you answer YES or Y, EDL creates a new file and asks you for the mode in which the file is to be attached.

```
DO YOU WANT TO BE ABLE TO WRITE ON THIS FILE
ENTER YES OR NO (Y/N)
?
```

7. Enter Y if you want the file to be in WRITE mode. Enter N if you want the file to be in READ mode.

   The file is added to the default list, the following message is displayed, and EDL returns to the ENTER THE LOCAL FILE NAME prompt.

```
*** THE FILE HAS BEEN ADDED TO THE DEFAULT LIST ***
```

8. Repeat the preceding steps for as many default files as you wish until you exit by pressing CR.

Default Files Menu Options

The following paragraphs briefly describe other options on the Default Files menu. (Refer to the ICEM EDL Reference Manual for more detailed information on these options.)

The LIST DEFAULT FILES option on the Default Files menu (2, L, or LIST) allows you to list the names of files that are currently set up to be attached when you enter an application. The list includes the name of the application for which the file is to be attached, the local file name, the permanent file name, your NOS user name, and the mode in which the file is to be attached. The file names are sorted by application and are listed alphabetically according to the local file names.

The following example shows the default file list format and possible values.

```
   DEFAULT ATTACH FILES
APPLICATION       LFN       PFN       NOS USERNAME  MODE
-----------       ---       ---       --- --------  ----
ICEM DDN          GPARTS    AFILE     TAS250C       READ
ICEM DDN          TFILE     MYFILE    DFB120C       WRITE
```

The DELETE FILES FROM DEFAULT LIST option on the Default Files menu (4, D, or DELETE) allows you to discontinue the automatic attachment of a file for an application. The file itself is not deleted.

Accessing ICEM Applications 5

Accessing ICEM Applications 5

EDL manages file attachment when you access an ICEM application and also manages log processing when you exit from an application. This chapter explains how to use EDL interactively to attach the files needed for an application. It also briefly describes how to access ICEM applications, and provides information on log processing.

Attaching Files

When you select an ICEM application from the ICEM Applications menu shown below, EDL attaches your default files and ensures that all files specified as required for the application are attached. (Entering 2 or ICEM from the User Tasks menu displays the ICEM Applications menu.)

```
          ICEM APPLICATIONS
     1.   EXIT                              E,EXIT
     2.   DESIGN/DRAFTING/NC                DDN
     3.   SOLID MODELING                    ISM
     4.   UNISTRUC II                       US
     5.   PATRAN                            PAT
     6.   ICEM SCHEMATICS                   SCH
     7.   PLOTTING                          PLOT
     8.   GRAPHICS PROGRAMMING LANGUAGE     GPL
ENTER TASK
?
```

EDL then displays the Alternate Files menu shown below.

```
          ALTERNATE FILES
     1.   ENTER APPLICATION                 APPL,GO
     2.   EXIT TO TASK MENU                 E,EXIT
     3.   LIST LOCAL FILES                  L,LOCAL
     4.   RETURN LOCAL FILES                R,RETURN
     5.   ATTACH FILE BY FILE TYPE          T,TYPE
     6.   ATTACH FILE BY FILE NAME          N,NAME
SELECT OPTION
?
```

This menu allows you to attach any alternate NOS files on which you want to work. Specifically, you can list local files, return local files, attach files based on file type, and attach files based on file name. These menu options are discussed in the following paragraphs. (Refer to the ICEM EDL Reference Manual for more detailed information on these options.)

Enter Application

The ENTER APPLICATION option (1, APPL, or GO) on the Alternate Files menu causes EDL to check that all required files are attached and then starts the application session.

List Local Files

The LIST LOCAL FILES option (3, L, or LOCAL) on the Alternate Files menu lists information about your local files. For example, you may want to use this option to check that you have attached the files essential for ICEM DDN. If the files were attached by EDL, the list includes the local file name, access permission, permanent file name, NOS user name, and file type. The example below shows the format of the local file list.

```
FILE NAME       PERMISSION   PFN              UN         FILE TYPE

TAPE3           WRITE        DRAWING          EDLUSER    DRAWING FILE
PARTS           WRITE        GLOBAL GPARTS    EDLID      GLOBAL DRAWING FILE
TFILE           READ         TAB1             EDLID      DDN TABLET FILE
SYSNOTE         READ
ENTER CR TO CONTINUE
?
```

After listing the files, EDL returns to the Alternate Files menu for your next selection.

Return Local Files

The RETURN LOCAL FILES option (4, R, or RETURN) on the Alternate Files menu lets you return a file if you decide you no longer want to use a file that has been attached previously. EDL prompts you through the return process.

Attach File by File Type

The following steps guide you through attaching files by file type.

1. Enter 5, T, or TYPE from the Alternate Files menu. EDL displays a list of all valid file types from which you may choose.

2. Choose the appropriate file type. EDL displays all files of that type that you may access. The format is:

```
     FILE NAME   NOS UN       PERMISSION

1.   GLOBAL      EDLUSER      WRITE
2.   GPART       EDLUSER      READ
3.   RELFILE     EDLDBA       WRITE

*** END OF LIST ***

ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
?
```

3. Make a selection from the list. If you have WRITE permission for the file, EDL prompts you with the following message:

```
WILL YOU NEED TO WRITE ON THIS FILE?
ENTER YES OR NO (Y/N)
?
```

4. Enter Y or N as needed. EDL displays the following prompt:

```
ENTER THE LOCAL FILE NAME OR CR FOR DEFAULT
?
```

5. If you specify a file name, EDL sets that local file to the name you entered. If you enter CR, EDL sets the local file name to the default local file name for that type of file. If the local file name field is blank, the local file name is set to the permanent file name. EDL attaches the file and issues this message:

```
*** THE FILE HAS BEEN ATTACHED ***
```

   EDL then returns to the ENTER THE FILE TYPE prompt so that you can specify other alternate files to be attached.

Attach File by File Name

The following steps show you how to attach files by file name.

1. Enter 6, N, or NAME from the Alternate Files menu. EDL displays the following prompt:

```
ENTER THE PERMANENT FILE NAME OR CR TO EXIT
?
```

2. Enter a NOS file name (up to seven characters). You are then prompted for the NOS user name.

```
ENTER THE NOS USER NAME FOR THIS FILE OR CR FOR YOUR OWN
?
```

3. Enter a seven-character NOS user name. A CR enters the name of the current job. If a file does not exist with your user name, EDL prompts you through creating the file.

4. If you have WRITE permission, you are prompted for the file access mode as EDL attaches each requested file.

```
WILL YOU NEED TO WRITE ON THIS FILE?
ENTER YES OR NO (Y/N)
?
```

5. Enter Y or N as needed. As the last step in attaching the file, EDL issues this prompt:

```
ENTER THE LOCAL FILE NAME OR CR FOR DEFAULT
?
```

6. If you specify a file name, EDL sets that local file to the name you entered. If you enter CR, EDL sets the local file name to the default local file name for that type of file. If the local file name field is blank, the local file name is set to the permanent file name. EDL attaches the file and issues this message:

```
*** THE FILE HAS BEEN ATTACHED ***
```

   EDL then returns to the ENTER THE PERMANENT FILE NAME prompt for your next entry.

Working with Your Application

After the file attachment procedure, EDL displays the menu for the ICEM application you selected. At this point, you can work within the application to create and/or modify design data. (Refer to the appropriate reference manual for information on using the application you selected.)

Log Processing

When you exit from an application, EDL again manages files and provides interactive prompts to update the information in the EDL database.

If you have added or changed an engineering data set, EDL issues a message that it is adding or updating information about the data set. It then prompts for more information to update:

```
WOULD YOU LIKE TO UPDATE EDL INFORMATION FOR THE DATA?
ENTER YES OR NO (Y/N)
?
```

Enter Y or N as needed. Refer to chapter 7, Updating EDL, for a more detailed discussion of adding to or modifying information about engineering data.

Retrieving Engineering Data 6

Retrieving Engineering Data 6

This chapter describes how to retrieve, select, and display engineering data sets stored on the EDL database.

You can retrieve the data sets cataloged in EDL using any of 18 criteria. These criteria consist of the system-defined labels and descriptive labels that EDL stores when you create or access a data set. EDL stores most of the labels during log processing when you exit from an application.

Data sets can be retrieved by:

- Data set name
- Creator of the data set
- Data set title keyword
- Descriptor attribute
- Data set status
- Engineering category
- Application data type
- File information
- Owner of the data set
- Part information
  - Part number
  - Part vendor
  - Part family
  - Part title keyword
  - Where used (component part number)
- Dates
  - Creation date
  - Date last modified
  - Date last accessed
  - Release date

You can retrieve data knowing a minimal amount of information about it. EDL prompts you to specify criteria, finds all data sets matching those criteria that you are allowed to access, and displays a one-line summary of information for each data set found. You may then select a data set to be retrieved, display further details about a particular data set, or specify additional retrieval criteria.

As you become more accustomed to EDL, you will learn to refine your retrieval methods. For example, you can display a retrieval list containing many data sets. Then you can specify new search criteria and display a further refined list based on the new criteria. You can continue to specify new search criteria to narrow the selection process.

Data Retrieval Method Menu

The following steps describe retrieving engineering data sets stored on the EDL database.

1. Enter 3 or RETRIEVE from the User Tasks menu to display the Data Retrieval Method menu shown below. (You can also select the retrieval task - usually the third task - from a particular application menu.)

```
      SELECT DATA RETRIEVAL METHOD
 1. EXIT                              E,EXIT
 2. DATA NAME                         N,NAME
 3. CREATOR OF THE DATA               C,CREATOR
 4. DATA TITLE KEYWORD                T,TITLE
 5. DESCRIPTOR                        D,DESCRIPTOR
 6. STATUS                            S,STATUS
 7. ENGINEERING CATEGORY              CAT
 8. APPLICATION DATA TYPE             ADT
 9. FILE INFORMATION                  F,FILE
10  OWNER OF THE FILE                 O,OWNER
11. PART INFORMATION                  P,PART
12. DATES                             DATES
SELECT OPTION
?
```

2. Enter the index number or keyword for your selection. EDL prompts you for the value of the selection. For example, if you want a list of all data sets with a particular name, you can enter 2, N, or NAME. After any of the three entries, EDL prompts you to enter the name of the data set you want.

   The following list explains selections and possible values from the Data Retrieval Method menu.

Option	Explanation
Data Name	The name you enter can be a subset of an existing data set name. You need only enter enough characters to give the system a distinguishable subset of the desired name. EDL searches for and lists all data sets whose names begin with the characters you entered.
Creator of the Data	You begin by entering the last name. You may then refine the search by entering the creator's first initial and middle initial.
Data Title Keyword	EDL searches for and lists any data set in which the characters you enter (the data title keyword) are found anywhere within the title of the data set.

Option	Explanation
Descriptor	You need only enter enough characters to give the system a distinguishable subset of the desired descriptor attribute.
Status	Examples of status are WORKING, PENDING, and RELEASED.
Engineering Category	Entering LIST displays a selection list of all valid engineering categories.
Application Data Type	Entering LIST displays a list of all valid application data types.
File Information	This option retrieves data residing on a file you specify according to host name, permanent file name, and NOS user name.
Owner of the Data	You begin by entering the last name. You may then refine the search by entering the creator's first initial and middle initial.
Part Information	This option displays a menu from which you can select data by part number, part vendor, part family, part title keyword, or part in which a specified component is used. You may enter all the characters of the part name or only enough characters to give the system a distinguishable subset of the desired name.
Dates	This option displays a menu from which you can select data by creation date, date last modified, date last accessed, or release date.

3. Enter the value for your selection. Once you have selected the retrieval method and entered a search value, EDL searches the database for all data sets with that value that you are allowed to display. EDL then displays the extracted information in an Engineering Data Selection list, followed by five options for further retrieval and display.

Extracted Retrieval List

The following example of a retrieval list shows the information headers and data sets that might be listed. You select engineering data sets for display from this list.

```
                    ENGINEERING DATA SELECTION LIST
4 DATA SETS
    DATA NAME        REV      STATUS         DATA TYPE          OWNER    PER
1.  DRAWING / 1      A-1      WORKING        DDN DRAWING        RMM      R
2.  SM329            B        RELEASED       ISM WORKSPACE      JBF      W
3.  WORKING21                 WORKING        ASCII TEXT         JBF      A
4.  WORKING20                 OBSOLETE       ASCII TEXT         JBF      I

*** END OF LIST ***

          ENTER RETRIEVAL OPTION
     1.   DISPLAY NEXT PAGE OF LIST              N,NEXT
     2.   EXIT WITHOUT RETRIEVAL                 E,EXIT
     3.   SELECT ENGINEERING DATA                S,SELECT
     4.   DISPLAY MORE DETAIL                    D,DETAIL
     5.   SPECIFY FURTHER RETRIEVAL CRITERIA     F,FURTHER
SELECT OPTION
?
```

The retrieval list has one line for each data set selected and shows data name, revision level, status, data type, owner, and permission. The number of data sets retrieved is shown in the upper left section of the display.

The permission field (the last column on the display) can have the following values:

Value	Meaning
R	READ: you can see the data, but cannot change it.
W	WRITE: you can make changes to the data.
I	INFORMATION: you can see only EDL information about the data, not the data itself.
A	ALTERNATE: the data exists on a computer other than the one you are using.

The menu at the bottom of the retrieval list allows you five additional options to display data sets EDL has listed. The following list describes these options. (Refer to the ICEM EDL Reference Manual for more detailed information on these options.)

- DISPLAY NEXT PAGE OF LIST (1, N, or NEXT) displays the next page of the retrieval list.
- EXIT WITHOUT RETRIEVAL (2, E, or EXIT) exits from the menu to the previous display.

- SELECT ENGINEERING DATA (3, S, or SELECT) displays this prompt:

```
ENTER THE INDEX NUMBER OF THE DATA TO BE SELECTED OR CR TO RETURN
?
```

  You enter the index number (from the retrieval list) of the data set with the desired engineering data.

- DISPLAY MORE DETAIL (4, D, or DETAIL) displays this prompt:

```
ENTER THE INDEX NUMBER OF THE DATA TO BE LISTED OR CR TO RETURN
?
```

  You enter the index number (from the retrieval list) for which you want more detailed information. EDL displays the Type of Detail List menu which allows you to indicate the type of information you want displayed. (Refer to the ICEM EDL Reference Manual for a complete description of the Type of Detail List menu.)

- SPECIFY FURTHER RETRIEVAL CRITERIA (5, F, or FURTHER) returns you to the Select Data Retrieval Method menu. You can then specify another criterion. The list that was just displayed is checked against the new criterion. Data sets that meet the new criterion are displayed in a new Engineering Data Selection list, as shown earlier in this section.

Updating EDL 7

Updating EDL 7

This chapter describes how to add to or modify EDL information about engineering data sets.

Entering 7 or UPDATE from the User Tasks menu begins the update process that allows you to introduce new information to EDL. In addition, EDL automatically initiates the update process after you access a data set. This gives you an opportunity to update the database when you save information or leave an application. EDL updates the modification date and prompts you so you may make other changes.

When you select the UPDATE task, EDL prompts you for the file name and the engineering data name. EDL also prompts for the file host, file type, user name, engineering category, secondary identifier, and application data type. Your DBA may specify default responses to these prompts for your site.

After adding or verifying data records, EDL displays a menu that allows you to add or change optional descriptive information. With this menu you can enter many engineering data sets for a single file and information about data on many files.

When you first enter this task, EDL displays the Update EDL for Engineering Data menu shown in the following example. This menu allows you to add, delete, change, and load EDL information.

```
        UPDATE EDL FOR ENGINEERING DATA
    1.  EXIT                                    E,EXIT
    2.  ADD EDL INFORMATION                     ADDINFO
    3.  DELETE EDL INFORMATION                  DELINFO
    4.  CHANGE EDL INFORMATION                  CHGINFO
    5.  LOAD EDL INFORMATION FROM A DATA FILE   LOADINFO
ENTER TASK
?
```

The following sections describe the selections available on this menu.

Adding EDL Information

The following steps describe how to add EDL information to the database. (You can use this option to load information about a single data set into EDL.)

1. Enter 2 or ADDINFO from the Update EDL for Engineering Data menu. EDL first prompts you for the application data type of your engineering data.

```
ENTER THE APPLICATION DATA TYPE, LIST OR CR TO EXIT
?
```

2. Enter the application data type. (If you enter LIST, EDL displays a selection list of all application data types from which you may choose.) EDL then prompts you for the host on which the data set resides.

```
ENTER THE HOST WHERE THE DATA RESIDES, LIST OR CR FOR LOCAL
?
```

3. If you enter a CR, EDL assumes the data resides on the host on which EDL is currently executing. (If you enter LIST, EDL displays a selection list of all hosts from which you may choose.) After you specify the host, EDL displays the following prompt:

```
ENTER THE NAME OF THE FILE WHERE THE DATA RESIDES OR CR TO RETURN
?
```

4. Enter the permanent file name where the data resides. EDL prompts:

```
ENTER THE NOS USERNAME OF THE FILE OR CR FOR YOUR OWN
?
```

5. Enter the NOS user name for the file on which the data resides. (If you enter a CR, EDL uses the current user name on which EDL is running.) If you have WRITE permission for the file, EDL initializes the file information record in the database according to the following guidelines.

Host family	You entered
File user name	You entered
File name	You entered
File type	Set from the application data type
File owner	Set to the current user
Permission category	Set to PR (private)
Permission mode	Set to R (READ)
Status	Set to WORKING
Archive tape VSN	Set to blank

When all fields have been initialized, EDL adds the record to the database and displays the following message:

```
*** THE FILE INFORMATION HAS BEEN ADDED TO EDL ***
```

Now that the NOS file on which the data set resides has been located, EDL prompts for the name of the data on the file:

```
ENTER THE NAME OF THE DATA ON THE FILE OR CR TO RETURN
?
```

NOTE

Data name is a required field. EDL will not track data unless you give it a name.

6. Enter a data name of up to 70 characters to describe the data on the file. If a secondary identifier is used with that application data, EDL prompts:

```
ENTER THE SECONDARY ID ( SHEET OR REVISION ) OR CR FOR ZERO
?
```

7. Enter the secondary identifier (ID) of the engineering data. (If you enter CR, EDL sets the value for the secondary ID to zero.) If the data is DDN-related, the ID is a numeric sheet number. If the data is Schematics-related, the ID is a revision level. EDL displays the following prompt:

```
ENTER THE ENGINEERING CATEGORY, LIST, OR CR TO RETURN
?
```

8. Enter the appropriate engineering category. (If you enter LIST, EDL displays a list of valid engineering categories from which you may choose.) EDL accesses the data information record with the specified data name and secondary ID on the current file. If the engineering data information record is not already in the EDL database, EDL initializes the record according to the following guidelines.

Engineering data name	You entered
Secondary ID	You entered
Application data type	You entered
Engineering category	You entered
Creator of data	Set to the current EDL user
Revision level	Set to blank
Data status	Set to WORKING
Date of creation	Set to current date
Date of modification	Set to current date
Date of retrieval	Set to current date

Data title	Set to blank
Time of creation	Set to current time
Time of modification	Set to current time
Time of retrieval	Set to current time

After initializing the fields, EDL adds the engineering data information record to the database and displays the following message:

```
*** THE ENGINEERING DATA INFORMATION HAS BEEN ADDED TO EDL ***
```

The information entered so far is required to define an engineering data set.

At this point you can define optional part data associations or enter optional descriptive labels for the data set. EDL displays the Update Engineering Data menu (described later in this section) so that you can make additional changes.

If you add data to a file that can have multiple data, EDL returns to the ENTER THE NAME OF THE DATA prompt so you can enter additional data on the file.

Deleting EDL Information

The DELETE EDL INFORMATION option on the Update EDL for Engineering Data menu (3 or DELINFO) should be used only to correct known problems with the EDL database. This task does not delete the actual data or file from the system; it deletes only the EDL information. To delete EDL application data, either use the DELETE task (described in chapter 11) or delete the data from within the application. (Refer to the ICEM EDL Reference Manual for more information on this task.)

Changing EDL Information

The following steps describe how to change EDL information in the database.

1. Enter 4 or CHGINFO from the Update EDL for Engineering Data menu. EDL displays a retrieval list from which you can choose the engineering data you want to change.

2. Select the data you want to change. EDL displays the Update Engineering Data menu shown below. This menu allows you to enter additional information about the data set. (Refer to the ICEM EDL Reference Manual for explanations of the options on this menu.)

```
        UPDATE ENGINEERING DATA
    1.  EXIT                              E,EXIT
    2.  LIST CURRENT INFORMATION          L,LIST
    3.  PROMPT FOR ALL INFORMATION        P,PROMPT
    4.  GENERAL INFORMATION               GEN
    5.  DATA DESCRIPTORS                  D,DESC
    6.  PART DATA ASSOCIATIONS            PARTS
    7.  FAMILY DATA ASSOCIATIONS          FAM
    8.  SOURCE DATA                       SRC
    9.  REQUIRED SUPPORTING DATA          SUP
SELECT OPTION
?
```

3. Whenever engineering data information is changed in the EDL database, EDL displays the following message.

```
*** THE ENGINEERING DATA INFORMATION HAS BEEN CHANGED IN EDL ***
```

Loading EDL Information

The following steps describe how to load information into EDL about multiple data sets on the same file. (This feature can be used only with drawing files, Solid Modeling files, and global drawing files.)

1. Enter 5 or LOADINFO from the Update EDL for Engineering Data menu. EDL displays the menu shown below and prompts you for a selection.

```
        LOAD EDL INFORMATION FROM A DATA FILE
    1.  EXIT                                    E,EXIT
    2.  DRAWING FILE                            D,DRAWING
    3.  SOLID MODEL LIBRARY                     S,SOLID
    4.  GLOBAL DRAWING FILE                     G,GLOBAL
SELECT OPTION
?
```

2. If you select any option other than EXIT, EDL prompts you for a permanent file name.

```
ENTER THE NAME OF THE FILE WHERE THE DATA RESIDES OR CR TO RETURN
?
```

3. Enter the permanent file name. EDL prompts you for a user name to identify the owner of the file.

```
ENTER THE USERNAME OF THE FILE OR CR FOR YOUR OWN.
?
```

4. Enter the user name of the file on which the engineering data resides. EDL initializes the file information record in the database according to the following guidelines.

Host family	Set to current host
File user name	You entered
File name	You entered
File type	Set from the application data type
File owner	Set to the current user
Permission category	Set to the current file category.
Permission mode	Set to the current file permission mode
Status	Set to WORKING
Archive tape VSN	Set to blank

Next, EDL prompts you for the engineering category for the engineering data.

```
ENTER THE ENGINEERING CATEGORY, LIST, OR CR TO RETURN
?
```

5. Enter an engineering category. (If you enter LIST, EDL displays a list of all engineering categories from which you may choose.) EDL initializes the engineering data information record according to the following guidelines.

Engineering data name	Read from the data file
Secondary ID	Read from the data file
Application data type	You entered
Engineering category	You entered
Creator of data	Set to the current EDL user
Revision level	Set to blank
Data status	Set to WORKING
Date of creation	Set to current date
Date of modification	Set to current date
Date of retrieval	Set to current date
Data title	Set to blank
Time of creation	Set to current time
Time of modification	Set to current time
Time of retrieval	Set to current time

After EDL initializes the fields, it adds the engineering data information record to the database. It then displays the engineering data name to tell you which data record has been added to the database.

EDL continues searching the file and adding one engineering information record for each valid data name found in the file. When this search is complete, EDL displays the following message and returns to the ENTER THE NAME OF THE FILE prompt.

```
ENGINEERING DATA INFORMATION RECORDS HAVE BEEN ADDED TO EDL
```

Setting File Permissions 8

Setting File Permissions 8

This chapter explains how to grant access permissions to your files. As the owner of a file, you can grant individuals or groups access to any of your files in EDL. (Your DBA determines the individuals that belong to a group.) You can grant access only to files that have the NOS user name you are currently using.

At the time you grant WRITE or READ permission to a file, EDL automatically generates the NOS system permits to the file for an individual or for all individuals in a group. A NOS system permit is not needed for INFORMATION permission.

EDL has three types of access permissions:

- WRITE (W) - WRITE permission. You may view and/or modify the contents of the file. You may also request EDL information about the file.
- READ (R) - READ permission. You may view, but not modify, the contents of the file. You may also request EDL information about the file.
- INFORMATION (I) - INFORMATION permission. You may only view EDL information about the file.

WRITE permission is the most powerful of the access permissions, and INFORMATION permission is the least powerful. If an individual has been given both an individual and a group permission to a file, EDL grants the most powerful permission. For example, if you have both WRITE permission and READ permission for a file (one from a group permit and one from an individual permit), EDL grants the more powerful WRITE permission.

As the owner of a file, you also have the option of making the file public. This allows all EDL users to have the same access to the file (either READ or WRITE access). If you make a file public, EDL ignores all individual and group file permits and does not allow new permits for the file.

Granting Individual Access Permission

The following steps guide you through granting access permission to an individual user.

1. Enter 5 or PERMIT from the File Management menu. (You display this menu by entering 6 or FILE from the User Tasks menu.) EDL displays the File Permission menu shown below.

```
        FILE PERMISSION
    1.  EXIT                                    E,EXIT
    2.  LIST INDIVIDUAL PERMITS                 LI,LISTI
    3.  LIST GROUP PERMITS                      LG,LISTG
    4.  SET INDIVIDUAL PERMITS                  I,SETI
    5.  SET GROUP PERMITS                       G,SETG
    6.  COPY FILE PERMITS                       C,COPY
    7.  DELETE ALL PERMITS                      D,DELETE
    8.  CHANGE FILE CATEGORY (PUBLIC,PRIVATE)   CH,CHANGE
    9.  REISSUE ALL PERMITS                     R,REISSUE
SELECT OPTION
?
```

2. Enter 4, I, or SETI to select the SET INDIVIDUAL PERMITS option. EDL displays the following prompt:

```
ENTER THE PERMANENT FILE NAME, LIST, OR CR TO EXIT
?
```

3. Enter the permanent file name of the file to which you wish to grant access permission. (Entering LIST produces a list of all files under your current NOS user name.) If the file name exists, you are the file owner, and the file is not public, EDL asks for the last name of the individual who is to receive permission to use the file.

```
ENTER THE LAST NAME OF THE USER TO BE PERMITTED, LIST, OR CR
TO RETURN
?
```

4. Enter the user's last name. (Entering LIST displays the prompt ENTER A PARTIAL LAST NAME OR CR TO RETURN and a list of full names from which you may choose.) EDL displays one of the following messages:

```
THIS USER HAS INDIVIDUAL WRITE PERMISSION FOR THIS FILE

THIS USER HAS INDIVIDUAL READ PERMISSION FOR THIS FILE

THIS USER HAS INDIVIDUAL INFO PERMISSION FOR THIS FILE

THIS USER DOES NOT HAVE AN INDIVIDUAL PERMISSION FOR THIS FILE
```

   The message reflects the user's individual permission and does not indicate any group permissions. If the user is a member of a group that has a group permit for this file, EDL displays a message that indicates the permission for each group of which the user is a member.

EDL then displays the Individual Permission menu shown in the following example.

```
        INDIVIDUAL PERMISSION
    1.  EXIT                              E,EXIT
    2.  WRITE                             W,WRITE
    3.  READ                              R,READ
    4.  INFO                              I,INFO
    5.  NO PERMISSION                     N,NOPERM
SELECT OPTION
?
```

5. Enter the index number or keyword for the desired permission. (Entering 5, N, or NOPERM removes all the user's individual permissions to your file.) EDL assigns the permission you requested and displays the following message:

   ```
   *** FILE PERMISSION HAS BEEN UPDATED ***
   ```

   EDL then returns to the ENTER A PARTIAL LAST NAME PROMPT, allowing you to permit other users access to the same file.

File Permission Menu Options

This section briefly describes other options on the File Permission menu. (Refer to the ICEM EDL Reference Manual for more detailed information on these options.)

The LIST INDIVIDUAL PERMITS option (2, LI, or LISTI) allows you to display a list of individual users and their access permissions for a particular file. The list format is as follows:

```
EDL ID                PERMISSION
----------            -----
BRUCE                 WRITE
JIM                   READ
```

If no individual permits have been granted for the file, the following message appears:

```
*** NO INDIVIDUAL PERMITS FOR THIS FILE ***
```

The LIST GROUP PERMITS option (3, LG, or LISTG) lists access permissions that have been granted to EDL group users for a particular file. The group permission list format is as follows:

```
EDL GROUP ID          PERMISSION  MEMBERS
--------------------     -----    ----------------------------
ENGINEERING              WRITE    ELGERS, HEATHER P.
                                  JOHNSON, FRED A.
                                  LEWIS, SINCLAIR
MANAGEMENT               READ     AMOS, ALFRED R.
                                  FRAZER, MARY JANE
```

If no group permits have been granted for this file, the following message appears:

```
*** NO GROUP PERMITS FOR THIS FILE ***
```

The SET GROUP PERMITS option (5, G, or SETG) allows you to grant access permissions for specified files to EDL group users. The procedure is similar to the one you follow when granting individual permission to a file.

COPY FILE PERMITS (6, C, or COPY) copies individual and group permissions from a source file to a destination file. The source file may be any file belonging to any user, but you must be the owner of the destination file. Source file permits override destination file permits.

DELETE ALL PERMITS (7, D, or DELETE) removes all individual and group permits that have been granted to a file belonging to you.

MAKE FILE PUBLIC OR PRIVATE (8, CH, or CHANGE) makes a file public (or private). A public file is accessible to all EDL users. All users also have the same file access permission; everyone either has READ or WRITE permission. EDL ignores individual and group permits on a public file. Private files are permitted only to individuals or groups that have been given permission by the file owner.

Private is the default file type when a file is added to EDL. You need to make a file private only when a file you own has previously been made public, and you want to return the file to private status.

You select the file's status from the following Public/Private Options menu.

```
        PUBLIC/PRIVATE OPTIONS
    1.  EXIT                                    E,EXIT
    2.  MAKE FILE PUBLIC WITH WRITE PERMISSION  W,WRITE
    3.  MAKE FILE PUBLIC WITH READ PERMISSION   R,READ
    4.  MAKE FILE PRIVATE                       P,PRIVATE
SELECT OPTION
?
```

The REISSUE ALL PERMITS option (9, R, or REISSUE) reissues file permits for a file on the NOS system. Use this option only if the NOS system permits do not seem to be consistent with the EDL file permits, or if you retrieve a file from an archive tape.

Releasing Engineering Data 9

Releasing Engineering Data 9

This chapter explains how to submit engineering data to the release process and how to review submitted data.

Release procedures are used to approve and protect engineering data. Your database administrator (DBA) creates these procedures. Your DBA assigns a unique name to each release procedure and also assigns at least one releaser and a varying number of optional reviewers to the procedure.

The releaser is the manager of the release process. This person accepts data submitted to the release procedure and finalizes data releases. The releaser may reject or release data regardless of the action of the reviewers.

Reviewers are responsible for checking data in the release process. A release procedure usually has more than one reviewer, depending on the number of groups involved in the design. Reviewers may assign a disposition of APPROVE, REJECT, HOLD, or CONDITIONAL to data. The releaser can display these dispositions when finalizing a release.

The order in which reviewers check data is defined when the DBA creates the release procedure. Sequence numbers are assigned to reviewers to define the review order. A reviewer assigned a sequence number of one, for example, must review data before a reviewer with a sequence number of two. A reviewer assigned a sequence number of zero is independent of the review order.

Figure 9-1 shows the data release process. The entire process uses three files of the same data. Notice on the diagram the change in status of the files as the release proceeds.

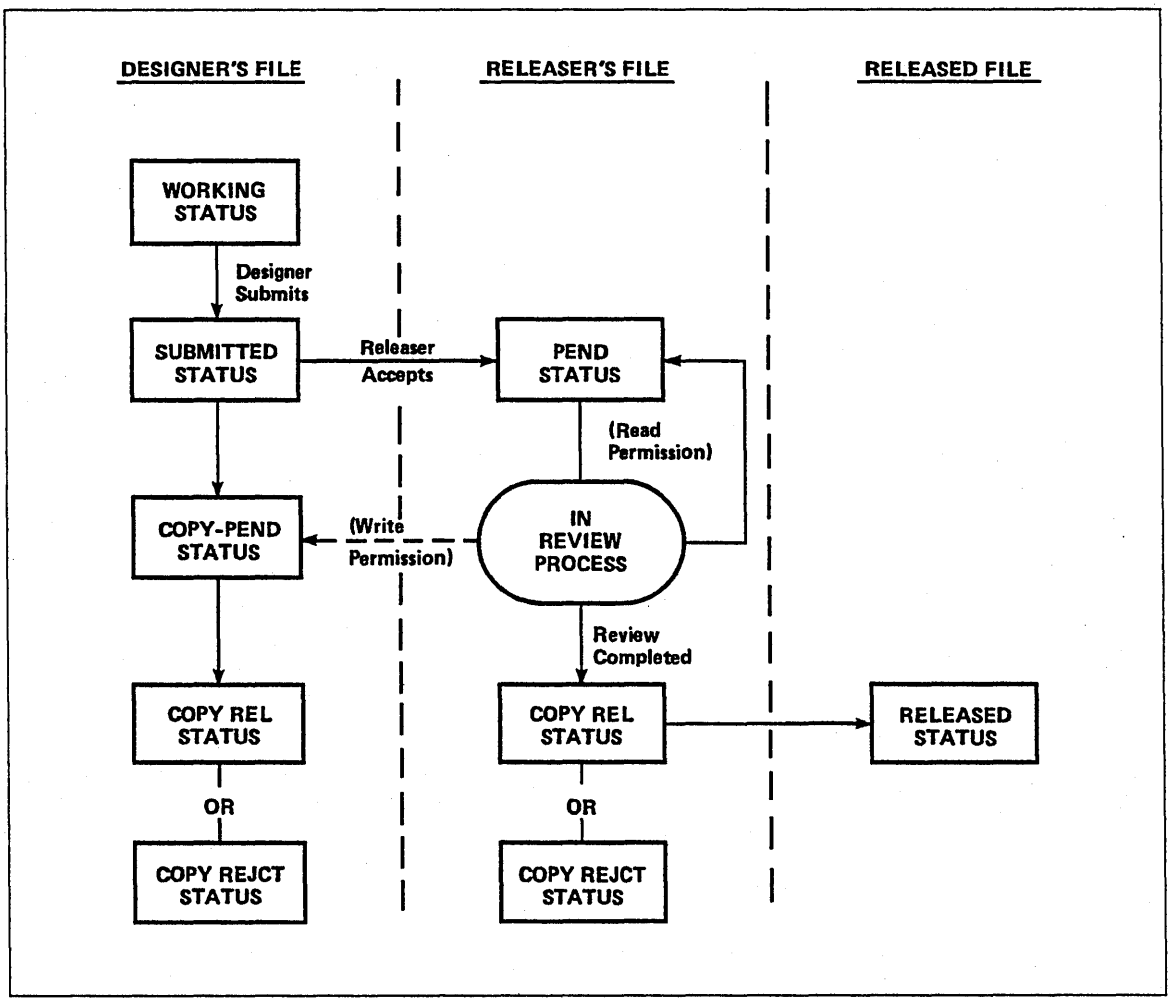

Figure 9-1. Data Release Process

Submitting Data for Release

The following steps explain how to submit completed engineering data to the release process.

1. Enter 5 or RELEASE from the User Tasks menu. EDL displays the Engineering Data Release menu shown below.

```
        ENGINEERING DATA RELEASE
    1.  EXIT                          E,EXIT
    2.  SUBMIT DATA FOR RELEASE       SUBMIT
    3.  ACCEPT SUBMITTED DATA         ACCEPT
    4.  REVIEW PENDING RELEASE DATA   REVIEW
    5.  FINALIZE DATA RELEASE         FINALIZE
    6.  RELEASE A PART STRUCTURE      RELPARTS
ENTER TASK
?
```

2. Enter 2 or SUBMIT from the Engineering Data Release menu. (A releaser uses options 3 and 5 to accept submitted data and finalize the data release. Refer to the ICEM EDL Reference Manual for more information on these options.) EDL displays a selection list of all data you own that is eligible to be submitted for release.

   NOTE

   Only data with WORKING or COPY REJCT status may be submitted for release.

3. Retrieve the appropriate data set. (Chapter 6, Retrieving Engineering Data, describes how to retrieve data sets.) EDL prompts you for the name of the release procedure to be used.

```
ENTER THE NAME OF THE RELEASE PROCEDURE OR LIST OR CR TO EXIT
?
```

4. Enter the name of the release procedure you want to use. (Entering LIST displays a selection list of all release procedures in the EDL database.) EDL changes the status of the data set to SUBMITTED and displays the following message:

```
*** THE DATA HAS BEEN SUBMITTED FOR REVIEW / RELEASE ***

*** THE RELEASERS HAVE BEEN GIVEN READ PERMISSION ***
```

   EDL then asks whether you want to give WRITE permission to the reviewers.

```
DO YOU WISH TO GIVE THE REVIEWERS WRITE PERMISSION?
ENTER YES OR NO (Y/N)
?
```

5. If you want to permit the reviewers to make notes or corrections to your copy of the data, enter Y. Otherwise, the reviewers are not permitted access to your original copy. EDL then returns to the Engineering Data Release menu.

6. Once data has been accepted for review, EDL makes a copy for the release procedure. The status of the original data changes to COPY PENDING. The designer can continue work on this data while the release process occurs.

7. The reviewers assign a disposition to the pending data in the sequence order defined by the DBA. The disposition may be APPROVED, REJECTED, HOLD, OR CONDITIONAL.

8. The releaser then approves or rejects the data release according to whether the engineering data meets the requirements for released data.

   If data is released, the status of the original and copy data changes to COPY RELEASED. Another copy data set is made whose status is RELEASED. Only the releaser has WRITE permission for this file.

   If data is rejected, the status of the original changes to COPY REJCTED and the status of the copy data changes to REJECTED.

Reviewing Pending Release Data

The following steps explain how to review engineering data submitted to the release process.

1. Enter 5 or RELEASE from the User Tasks menu. EDL displays the Engineering Data Release menu.

2. Enter 4 or REVIEW from the Engineering Data Release menu. EDL displays the Review Pending Release Data menu shown below.

```
        REVIEW PENDING RELEASE DATA
    1.  EXIT                                E,EXIT
    2.  REVIEW PENDING DATA                 REVPEND
    3.  CHANGE A REVIEW SIGNATURE           CHGPEND
ENTER TASK
?
```

3. Enter 2 or REVPEND to review pending data for release procedures for which you are a designated reviewer. EDL displays a selection list of release procedures.

4. Choose the appropriate release procedure. EDL displays a retrieval list of all data you are authorized to approve. This list always includes a secure copy (in READ mode) of the data with PENDING status. If the designer has granted you WRITE permission, the data is also displayed on the list with COPY PEND status.

5. Enter the index number of the data on the retrieval list you want to review. (If you want to make notes or changes and the designer has granted you WRITE permission, select the data with COPY PEND status.) EDL issues this prompt:

```
DO YOU WISH TO DISPLAY THE DATA?
ANSWER YES OR NO (Y/N)
?
```

6. If you enter Y, EDL starts the application and gathers the data for your review. If you are reviewing the designer's copy of the data, EDL returns to the previous task menu when you exit from the application.

   Otherwise, after you have finished reviewing the data, EDL prompts for the disposition of the review with the following menu. Your site has probably tailored this menu to include its own dispositions.

```
        ENTER REVIEW DISPOSITION
    1.  EXIT                          E,EXIT
    2.  APPROVED                      APPROVE
    3.  REJECTED                      REJECT
    4.  HOLD                          HOLD
    5.  CONDITIONAL                   COND
SELECT OPTION
?
```

7. If you choose to exit, no further action is taken and EDL returns to the Engineering Data Release menu. Otherwise, EDL records your name, title, and the selected disposition, and displays the following message:

```
*** THE REVIEW SIGNATURE HAS BEEN STORED ***
```

NOTE

The CHANGE A REVIEW SIGNATURE option (3 or CHGPEND) on the Review Pending Release Data menu allows you to change a review signature for data that you have already reviewed. See the ICEM EDL Reference Manual for more detailed information on this menu option.

EDL Release Procedure Listing

The following series of examples illustrates a typical EDL release procedure.

First, the DBA sets up the release procedures used by a site, for example, RELES1. The DBA is responsible for providing information on these procedures to the designers who will submit data for release.

```
        RELEASE PROCEDURE -  RELES1

RELEASER        NAME

EDL02           USER02

SEQ REVIEWER    NAME                TITLE           PRIORITY

  1 EDL03       USER03,             REVIEWER1       TOP
  2 EDL04       USER04,             REVIEWER2       SECOND


      10 SELECTIONS
         RELEASE PROCEDURES

       1. DRAWREL
       2. REL01
       3. REL02
       4. REL03
       5. REL04
       6. REL05
       7. REL07
       8. REL08
       9. REL09
      10. RELES1
```

```
          *** END OF LIST ***

          ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
?
```

A designer using EDL creates the data set RPART1 and submits it for review. Its status before submission is WORKING.

```
          ENGINEERING DATA SELECTION LIST
           1 DATA SETS

        DATA NAME              REV   STATUS     DATA TYPE          OWNER  PER

    1 RPART1 / 1                     WORKING    DRAWING              U     W

          *** END OF LIST ***

           ENTER RETRIEVAL OPTION
       1.  DISPLAY NEXT PAGE OF LIST              N,NEXT
       2.  EXIT WITHOUT RETRIEVAL                 E,EXIT
       3.  SELECT ENGINEERING DATA                S,SELECT
       4.  DISPLAY MORE DETAIL                    D,DETAIL
       5.  SPECIFY FURTHER RETRIEVAL CRITERIA     F,FURTHER
SELECT OPTION
?
```

RPART1 is submitted for review using the SUBMIT command on the Engineering Data Release menu. RPART1's status changes to SUBMITTED. The designer continues to have WRITE permission.

```
           ENGINEERING DATA RELEASE
       1.  EXIT                                   E,EXIT
       2.  SUBMIT DATA FOR RELEASE                SUBMIT
       3.  ACCEPT SUBMITTED DATA                  ACCEPT
       4.  REVIEW PENDING DATA                    REVIEW
       5.  FINALIZE DATA RELEASE                  FINALIZE
       6.  RELEASE A PART STRUCTURE               RELPARTS
ENTER TASK
? 2

          ENTER THE NAME OF THE RELEASE PROCEDURE, LIST, OR CR TO EXIT
? RELES1

          *** THE DATA HAS BEEN SUBMITTED FOR REVIEW / RELEASE ***

          *** THE RELEASERS HAVE BEEN GIVEN READ PERMISSION ***

           DO YOU WISH TO GIVE THE REVIEWERS WRITE PERMISSION?
           ENTER YES OR NO  (Y/N)
? Y

  :
```

```
ENGINEERING DATA SELECTION LIST
 2 DATA SETS

     DATA NAME              REV   STATUS      DATA TYPE          OWNER  PER

1 RPART1 / 1                      SUBMITTED   DRAWING              U     W
2 TEST / 1                   A    WORKING     DRAWING              U     R

     *** END OF LIST ***
```

The releaser begins the acceptance process for RPART1. The releaser has READ permission for the drawing.

```
ENGINEERING DATA SELECTION LIST
 1 DATA SETS

     DATA NAME              REV   STATUS      DATA TYPE          OWNER  PER

1 RPART1 / 1                      SUBMITTED   DRAWING              U     R

     *** END OF LIST ***
```

The releaser accepts the submitted data using the ACCEPT command on the Engineering Data Release menu. The data is transferred to the new file RFILE2. EDL gives the releaser a choice of data type for the new file and the option to rename it. The releaser renames the data RPART2.

```
2 SELECTIONS
   DESTINATION DATA TYPES

1. DRAWING
2. GLOBAL DRAWING

*** END OF LIST ***

ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
? 1

SPECIFY THE DESTINATION FILE

 SPECIFY FILE
1.  EXIT                              E,EXIT
2.  SPECIFY BY FILE NAME              N,NAME
3.  LIST AVAILABLE FILES              L,LIST
4.  CREATE A NEW FILE                 CR,CREATE
SELECT OPTION
? 4

ENTER THE PERMANENT FILE NAME OR CR TO EXIT
? RFILE2

*** THE FILE HAS BEEN CREATED ***
```

```
          ENTER NEW DATA NAME OR CR FOR THE SAME
? RPART2

          ENTER NEW SHEET NUMBER OR CR FOR THE SAME
?
```

The releaser has WRITE permission for the new file. The designer and reviewers have READ permission for the new file.

```
          *** THE RELEASERS HAVE BEEN GIVEN WRITE PERMISSION ***

          *** THE REVIEWERS HAVE BEEN GIVEN READ PERMISSION ***

          *** THE DESIGNER HAS BEEN GIVEN READ PERMISSION ***

          *** THE DATA IS NOW READY FOR REVIEW ***

          *** WHEN THE DATA TRANSFER FINISHES ***

           WOULD YOU LIKE TO UPDATE OTHER INFORMATION FOR THIS DATA?
           ENTER YES OR NO (Y/N)
?
```

The data RPART2 has a status of PENDING after it is accepted.

```
          ENGINEERING DATA SELECTION LIST
           1 DATA SETS

        DATA NAME              REV   STATUS      DATA TYPE          OWNER  PER

    1 RPART2 / 2                     PENDING     DRAWING              U     W

          *** END OF LIST ***
```

The designer's copy of the data (RPART1) now has COPY PEND status. This copy still belongs to the designer. Optionally, the reviewers can write on this copy. (The designer granted the reviewers WRITE permission when the data was submitted for release.)

```
          ENGINEERING DATA SELECTION LIST
           1 DATA SETS

        DATA NAME              REV   STATUS      DATA TYPE          OWNER  PER

    1 RPART1 / 1                     COPY PEND   DRAWING              U     W

          *** END OF LIST ***
```

The reviewer starts the review process. The reviewer has READ permission for the releaser's copy (PENDING) and, optionally, WRITE permission for the designer's copy (COPY PEND). When the reviewer enters the REVIEW command (on the Engineering Data Release menu), the following selection list is displayed showing what the reviewer may review.

```
          2 SELECTIONS
             RELEASE PROCEDURE     TITLE                PRIORITY

          1. REL03                 TOP GUY
          2. RELES1                REVIEWER1            TOP

          *** END OF LIST ***

          ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
? 2

          ENGINEERING DATA SELECTION LIST
           2 DATA SETS

        DATA NAME              REV   STATUS      DATA TYPE          OWNER  PER

   1 RPART2 / 2                      PENDING     DRAWING              U     R
   2 RPART1 / 1                      COPY PEND   DRAWING              U     W

          *** END OF LIST ***
```

The reviewer reviews the data and enters the review disposition APPROVE.

```
RELEASE INFORMATION
  REL PROC  RELES1
  REL STAT  PENDING
  REL DATE


          *** NO REVIEW SIGNATURES EXIST FOR THIS DATA ***

           ENTER REVIEW DISPOSITION
      1.  EXIT                                  E,EXIT
      2.  APPROVE                               APPROVE
      3.  REJECT                                REJECT
      4.  HOLD                                  HOLD
      5.  CONDITIONAL                           COND
SELECT OPTION
? 2

          *** THE REVIEW SIGNATURE HAS BEEN STORED ***
```

The data may be reviewed by any number of reviewers, but the releaser can release the data at any time. The releaser begins the release process by entering the FINALIZE command (on the Engineering Data Release menu). EDL displays review dispositions for the data. The releaser uses the Finalize Data Release menu to release (or reject) the data.

```
RELEASE INFORMATION
  REL PROC  RELES1
  REL STAT  PENDING
  REL DATE


REVIEWED BY              TITLE              DATE          DISP
USER03,                  REVIEWER1          87/01/08.     APPROVE
USER04,                  REVIEWER2          87/01/08      HOLD

          FINALIZE DATA RELEASE
      1.  EXIT                                  E,EXIT
      2.  RELEASE THE DATA                      RELEASE
      3.  REJECT THE DATA                       REJECT
SELECT OPTION
?
```

Once again, a transfer occurs. The releaser selects the destination file and renames the data.

```
          2 SELECTIONS
             DESTINATION DATA TYPES

          1. DRAWING
          2. GLOBAL DRAWING

          *** END OF LIST ***

          ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
? 1

          SPECIFY THE DESTINATION FILE

           SPECIFY FILE
      1.   EXIT                                  E,EXIT
      2.   SPECIFY BY FILE NAME                  N,NAME
      3.   LIST AVAILABLE FILES                  L,LIST
      4.   CREATE A NEW FILE                     CR,CREATE
SELECT OPTION
? 4

          ENTER THE PERMANENT FILE NAME OR CR TO EXIT
? RFILE3

          *** THE FILE HAS BEEN CREATED ***
          ENTER NEW DATA NAME OR CR FOR THE SAME
? RPART3
          ENTER NEW SHEET NUMBER OR CR FOR THE SAME
? 3
```

```
        *** THE RELEASERS HAVE BEEN GIVEN WRITE PERMISSION ***

        *** THE REVIEWERS HAVE BEEN GIVEN WRITE PERMISSION ***

        *** THE DESIGNER HAS BEEN GIVEN READ PERMISSION ***

        *** THE DATA IS NOW RELEASED ***

        *** WHEN THE DATA TRANSFER FINISHES   ***

        WOULD YOU LIKE TO UPDATE OTHER INFORMATION FOR THIS DATA?
        ENTER YES OR NO (Y/N)
?
```

EDL submits a system job to transfer the data. The transfer and any changes made to the data are not complete until EDL sends a note telling you the transfer is complete.

```
        *** SUBMIT DRAWING TO DRAWING TRANSLATION ***
15.52.19. SUBMIT COMPLETE.  JSN IS AFYW

       YOU HAVE A NOTE.  ENTER READ TO READ YOUR NOTE(S)

  :

THE TRANSFER FROM
RPART2
SHEET2
ON FILE RFILE2/UN=EDL02
HOST
TO
RPART3
SHEET3
ON FILE RFILE3/UN=EDL02
HOST
HAS SUCCESSFULLY COMPLETED.

         DO YOU WANT TO DELETE THIS MESSAGE?
         ENTER YES OR NO (Y/N)
?
```

The data's status is now RELEASED. The two previous copies have COPY REL status. (If the data is rejected, its status would be REJECTED and COPY REJCT respectively.)

```
        ENGINEERING DATA SELECTION LIST
         1 DATA SETS

      DATA NAME              REV   STATUS     DATA TYPE          OWNER  PER

  1 RPART3 / 3                     RELEASED   DRAWING              U     W

        *** END OF LIST ***

  :
```

ENGINEERING DATA SELECTION LIST
3 DATA SETS

	DATA NAME	REV	STATUS	DATA TYPE	OWNER	PER
1	RPART1 / 1		COPY REL	DRAWING	U	R
2	RPART2 / 2		COPY REL	DRAWING	U	W
3	RPART3 / 3		RELEASED	DRAWING	U	W

*** END OF LIST ***

Transferring Engineering Data 10

Transferring Engineering Data 10

This chapter describes how to transfer data from one application to another. EDL eliminates much of the effort involved in transferring data. With EDL, you do not have to learn how to use many different translators. Translation is automatic, if necessary, using IGES or another translation process.

You select the data to be transferred, using the standard data retrieval method. When the data has been retrieved, EDL displays the application data types for which transfer tasks are defined. You then choose the destination application data type and specify the file name for the translated data. EDL gives you the opportunity to rename the data and checks that the destination data does not already exist.

If you are making a copy of data with WORKING status, EDL gives you the opportunity to change it to OBSOLETE status. Destination data always has a status of WORKING.

Specifying the Destination

The following steps start the transfer process by specifying the destination for the data.

1. Enter 4 or TRANSFER from the User Tasks menu. EDL displays the Select Data Retrieval Method menu and asks you to indicate the data set to be transferred.

2. Retrieve the data set to be transferred. (Chapter 6, Retrieving Engineering Data, describes how to retrieve data sets.) EDL displays the destination data types to which the source data can be transferred. This list of destination data types is dependent upon the data type you selected for transfer. For example, if you select a drawing for transfer, EDL displays the selection list shown below.

```
        DESTINATION DATA TYPES
        ----------- ---- -----
    1.  DRAWING
    2.  GLOBAL PART
    3.  INDEPENDENT PART
    4.  ICEM SOLID MODEL
ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
?
```

   The chart in figure 10-1 shows the data translations supported by ICEM EDL. The chart shows transfers performed both within EDL and within the ICEM applications.

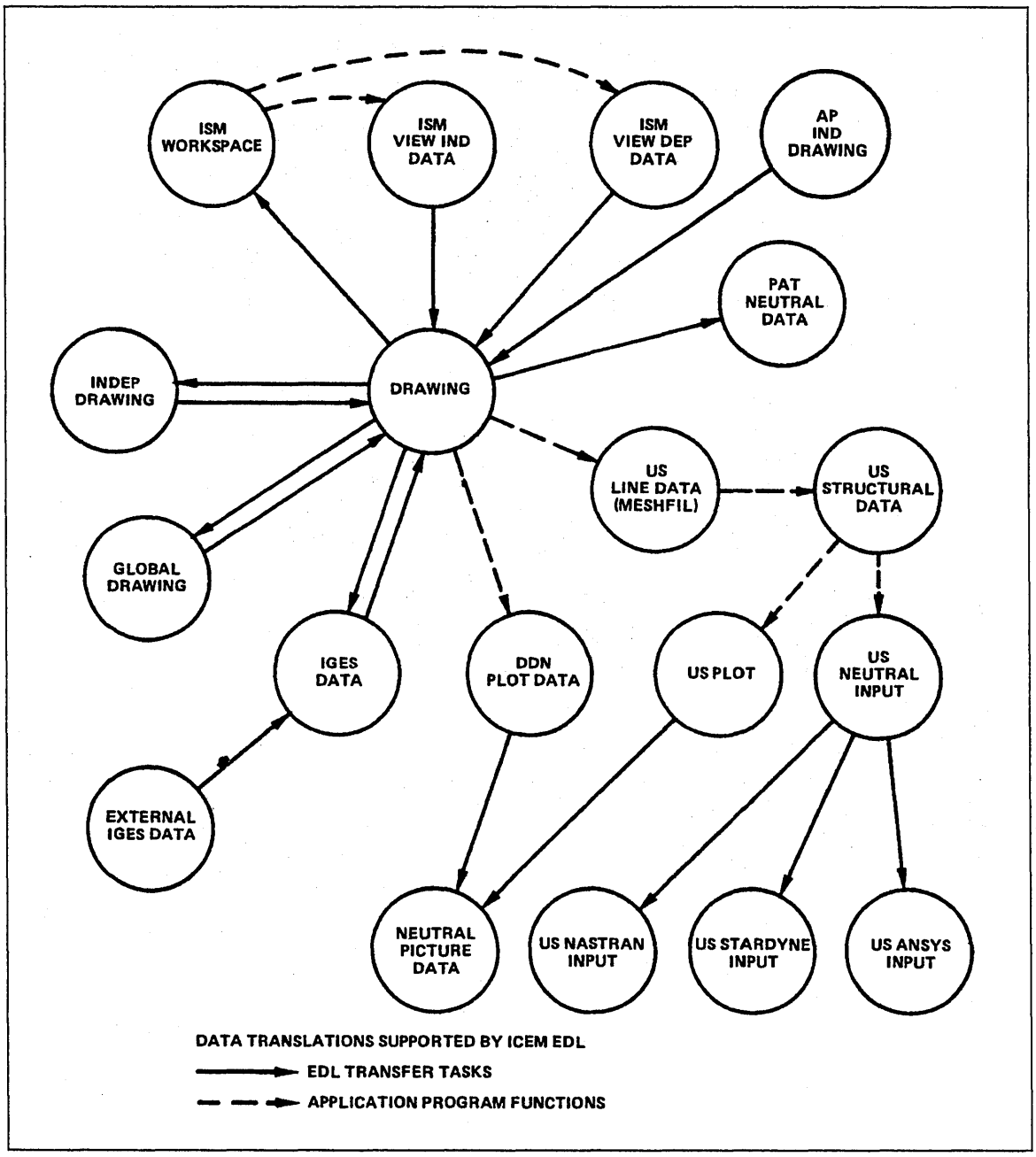

Figure 10-1. Data Translations Supported by EDL

3. Select the appropriate destination data type. EDL displays one of two menus, depending on whether or not the file allows multiple data. (Data may reside on files that allow or do not allow multiple data.)

If the destination data type resides on a file that allows multiple data, EDL lets you choose how to specify the destination file with the following Specify File menu.

```
SPECIFY THE DESTINATION FILE

        SPECIFY FILE
    1.  EXIT                              E,EXIT
    2.  SPECIFY BY FILE NAME              N,NAME
    3.  LIST AVAILABLE FILES              L,LIST
    4.  CREATE A NEW FILE                 CR,CREATE
    5.  CREATE A FILE ON A REMOTE HOST    R,REMOTE
SELECT OPTION
?
```

If the destination data type resides on a file that does not allow multiple data, EDL requires you to create a new file and displays the shortened Specify New File menu shown below.

```
SPECIFY THE DESTINATION FILE

        SPECIFY NEW FILE
    1.  EXIT                              E,EXIT
    2.  CREATE A NEW FILE                 CR,CREATE
    3.  CREATE A FILE ON A REMOTE HOST    R,REMOTE
SELECT OPTION
?
```

Creating a New Destination File and Data Name

The following steps describe creating a new destination file. Other options on the two preceding menus are discussed in detail in the ICEM EDL Reference Manual.

1. Enter 4 from the Specify File menu, or 2 from the Specify New File menu, or CR or CREATE from either menu. EDL prompts you for the file name.

   ```
   ENTER THE PERMANENT FILE NAME OR CR TO EXIT
   ?
   ```

2. Enter the permanent file name. EDL puts the data on a new file, using the permanent file name you entered and the file type on your NOS user name.

   After you determine the data to be transferred and the destination file and type, EDL prompts you for the destination data name:

   ```
   ENTER THE NAME FOR THE DESTINATION DATA OR CR FOR THE SAME
   ?
   ```

3. Enter the data name. Be sure to follow any naming rules of the application that will use the data. For example, data names for Solid Modeler objects must be no more than eight characters. The first character must be alphabetic and the next seven characters must be alphabetic or numeric. Refer to the reference manual for the application you are using.

   If you enter a CR, the destination data name is the same as the source data name.

   If you are transferring data that you own, the data name and the application data type are not changed, and the source data status is WORKING. EDL prompts you as follows so you can change the source data status.

   ```
   MARK THE SOURCE DATA AS OBSOLETE?
   ENTER YES OR NO (Y/N)
   ?
   ```

4. If you answer Y, EDL changes the status of the source data to OBSOLETE. The destination data always has WORKING status. After the data transfer and translation information are obtained, EDL creates the data information and data source records for the destination data.

   If the data you transfer is on the local host, EDL prompts you as follows:

   ```
   WOULD YOU LIKE TO UPDATE OTHER INFORMATION FOR THIS DATA?
   ENTER YES OR NO (Y/N)
   ?
   ```

5. If you enter Y, EDL allows you to update data information in the same manner as described in chapter 7, Updating EDL.

   EDL then transfers the data as defined by the source and destination application data type combination. The transfer may contain further prompts, such as asking for an external IGES blocking factor. Your site may add transfer and translation procedures to EDL to handle your own data formats or translators. If so, your menu selections will vary accordingly.

   EDL informs you with the NOTE facility about the success of your transfer. Should the transfer fail, the EDL database remains as it was before you initiated the transfer.

   The EDL information about a file is always updated at the end of any transfer.

Managing Files 11

Managing Files 11

This chapter describes the file management features available to you through EDL. Although EDL manages most files and the information about them transparently, it may often be necessary for you to do this manipulation in a more direct manner. EDL automatically prompts you for the file type and protects released, supporting, and source data from modification or destruction.

With EDL, you can:

- List, save, and delete files
- Grant access permissions to your files
- Archive, acquire, define, and return files
- Edit your files
- Print your files and request a tape

To manage the local or permanent files on which your data resides, you enter 6 or FILE from the User Tasks menu to display the following File Management menu.

```
      FILE MANAGEMENT
 1.   EXIT                              E,EXIT
 2.   LIST PERMANENT FILES              LISTFIL
 3.   DEFINE FILES                      DEFINE
 4.   DELETE FILES                      DELETE
 5.   FILE PERMISSIONS                  PERMIT
 6.   OFFLINE FILE STORAGE              OFFLINE
 7.   CORRECT FILE INFORMATION          CORRECT
 8.   TRANSFER FILES BETWEEN HOSTS      LINK
 9.   LOCAL FILE MANAGEMENT             LOCAL
ENTER TASK
?
```

The following sections discuss selected tasks on the File Management menu. (Refer to the ICEM EDL Reference Manual for information on all file management tasks.) If you enter 5 or PERMIT, you can grant individuals and groups access to your files in EDL. This task is discussed in chapter 8

Listing Permanent Files

The following steps describe how to access information about permanent files.

1. Enter 2 or LISTFIL from the File Mangement menu. EDL displays the List Permanent Files menu shown below.

```
        LIST PERMANENT FILES
    1.  EXIT                                E,EXIT
    2.  LIST OWN FILES                      LISTOWNF
    3.  LIST PERMITTED FILES                LISTPERF
ENTER TASK
?
```

   You may display two types of listings:

   - Files you own (2 or LISTOWNF)
   - Files you are permitted to access (3 or LISTPERF)

2. Select either option. Before displaying file information, EDL displays a selection list of files so you may select the file on which you want to see information. The selection list only includes files that EDL knows about, so some files under your NOS user name may not be shown.

   The selection list of files you own consists of the file name, file type, status, and, if a NOS file, the user name. An example of this list follows.

```
     NAME     FILE TYPE            STATUS     NOS UN
     -------  -------------------- ---------- -------
1.   ABC      SDB                  WORKING    BJH1234
2.   USER.TEST_RELEASE_DATA_1
3.            DRAWING              RELEASED
4.   JKL      ATEXT                WORKING    HJIL344
```

   The selection list of files you do not own, but to which you are permitted access, consists of the file name, file type, status, your access permission, and the user name. The following example shows the format of this list.

```
     NAME   FILE TYPE            STATUS     PERMISSION     NOS UN
     ----   ---------            ------     ----------     ------
1.   ABC    SDB                  WORKING    WRITE          JJJ1234
2.   USER_TEST_RELEASE_DATA_1
3.          DRAWING              RELEASED   INFORMATION
4.   JKL    ATEXT                WORKING    READ           IAW7KMV
```

3. Enter the index number of the file for which you want to see information. EDL displays file information in the following format.

```
        HOST  MA4
   FILE NAME  SMODELS
      NOS UN  RMM102A
   FILE TYPE  ISM LIBRARY
       OWNER  RB439H      MICHAELS, ROBERT M.
      STATUS  WORKING
  TAPE NUMBER  REL82
   PERMISSION  READ

   THE NAMES OF DATA ON THIS FILE
   SPACE SHUTTLE IN FLIGHT
```

Defining Permanent Files

This section explains how to define new permanent files. Although EDL defines most files and the information about them automatically, you may want to define a new file manually. For example, you may want to define a new permanent file space for a drawing.

1. Enter 3 or DEFINE from the File Management menu to define a new permanent file. EDL displays the following prompt:

```
ENTER THE PERMANENT FILE NAME OF THE FILE TO BE DEFINED OR CR TO EXIT
?
```

2. Enter the name you want for the file you are defining. EDL displays the following prompt:

```
ENTER THE LOCAL NAME OF THE FILE BEING DEFINED OR CR FOR SAME
?
```

3. Enter the local file name. EDL displays the following file type prompt:

```
ENTER THE FILE TYPE OR LIST
?
```

4. If you enter LIST, EDL displays a list of file types as shown in the following abbreviated example. Enter a selection from the list.

```
     FILE TYPES                APPLICATION          DEFAULT LFN

  1. 8-12 BIT ASCII FILE
  2. 8-12 BIT REPORT FILE
  3. GRAPHIC TEXT FILE
  4. U CASE REPORT FILE
  5. U-L CASE REPORT FILE
  6. U-L CASE TEXT FILE
  7. UPPER CASE TEXT FILE
  8. GPL FORTRAN LIBRARY      GPL                  DCLIB
  9. GPL LIBRARY              GPL                  GPLLJB
 10. AP IND DRAWING FILE      ICEM DDN             IPD120
 11. ATTRIBUTE LIST FILE      ICEM DDN             LIST
 12. BULK INPUT FILE          ICEM DDN             BULKIN
 13. CUTTER LOCATION FILE     ICEM DDN             CLFIN
 14. DDN MENU STRING FILE     ICEM DDN             MSTRING
 15. DDN PLOT FILE            ICEM DDN             TAPE9
 16. DDN TABLET FILE          ICEM DDN             TFCLE
 17. DRAWING FILE             ICEM DDN             TAPE3
 18. GLOBAL DRAWING FILE      ICEM DDN             GPARTS
 19. GLOBAL PATTERN FILE      ICEM DDN             PATTERN
 20. GLOBAL UTF               ICEM DDN             CUTF

*** END OF LIST ***

ENTER A NUMBER, E OR EXIT, OR CR FOR MORE
?
```

5. If the file type entered is valid, EDL defines a direct access file as you specified, using the file type specified. EDL then displays the following message and returns to the ENTER THE PERMANENT NAME OF THE FILE TO BE DEFINED prompt.

```
*** THE FILE HAS BEEN DEFINED ***
```

When EDL creates a file, it initializes information about the file, as described in chapter 7, Updating EDL, under Adding EDL Information.

Deleting Files

The following steps describe how to delete EDL information about a file and, optionally, purge the file if it is on your current user name on the local host.

NOTE

Use this task only to delete files. If you wish to delete a data set, enter the application in which it was created. Once in the application, you can delete the data set.

1. Enter 4 or DELETE from the File Management menu. EDL displays this prompt:

```
ENTER THE HOST THE FILE RESIDES ON, LIST, OR CR FOR LOCAL
?
```

2. Enter CR to select your local host. EDL displays the following prompt:

```
ENTER THE PERMANENT FILE NAME, LIST, OR CR TO RETURN
?
```

3. Enter LIST to display a standard retrieval list showing your files on the local NOS host. The files displayed are those for the account on which you are currently executing. An example of this list is shown below.

	NAME	FILE TYPE	STATUS	NOS UN
1.	FILE1	ISM LIBRARY	RELEASED	EDLQA2
2.	FILE2	ISM LIBRARY	WORKING	EDLQA2
3.	FILE2	ISM LIBRARY	WORKING	EDLQA3

4. Enter the index number of the file you want to delete. EDL displays file information in the following format and asks whether or not you want the EDL information about the file deleted.

```
        HOST  MA4
   FILE NAME  SMODELS
      NOS UN  RMM102A
   FILE TYPE  ISM LIBRARY
       OWNER  RB439H      MICHAELS, ROBERT M.
      STATUS  WORKING
 TAPE NUMBER  REL82
  PERMISSION  READ

  THE NAMES OF DATA ON THIS FILE
  SPACE SHUTTLE IN FLIGHT

  DO YOU WANT TO DELETE THE EDL INFORMATION ABOUT THE FILE?
  ENTER YES OR NO (Y/N)
  ?
```

5. Enter Y to delete the EDL information about the file. (If the file contains released data, required data, or is a default file for another user, EDL displays a warning message and again asks whether the file information is to be deleted from EDL.) EDL displays the following message:

```
*** THE INFORMATION ABOUT THE FILE HAS BEEN DELETED ***
```

   If the file resides on the account you are currently using, EDL displays the following prompt:

```
  DO YOU WISH TO DELETE THE FILE ALSO
  ENTER YES OR NO (Y/N)
 ?
```

6. If you wish to delete the file, enter Y. EDL deletes the file and displays the following message:

```
*** THE FILE HAS BEEN DELETED FROM THE SYSTEM ***
```

   EDL then returns to the file retrieval list so you can make another selection.

Storing Files Offline

Entering 6 or OFFLINE from the File Mangement menu displays the following Offline File Storage menu.

```
      OFFLINE FILE STORAGE
   1. EXIT                              E,EXIT
   2. ARCHIVE FILES                     ARCHIVE
   3. RECLAIM ARCHIVED FILES            RECLAIM
ENTER TASK
?
```

The next two sections describe how to transfer file information to and from offline storage, for example, dropping and retrieving files from tape.

Archiving Files

The following steps show you how to archive files. When you do this, EDL transfers a file to an archive storage unit and records the transaction. EDL gives you the option of keeping a copy of the file on the system, thus backing up the file. If you do not leave a copy of the archived file on the system, you must reload the file when you want to use it again. (Reclaiming archived files is discussed in the next section.)

The archiving system is called RECLAIM. (For more information on RECLAIM, refer to the NOS Version 2 Reference Set, Volume 3, System Commands.) When you want to archive files, the following must be true:

- You must own the file being archived.
- You must know the volume serial number (VSN) of the tape that stores the file.

1. Enter 2 or ARCHIVE from the Offline File Storage menu. EDL prompts you for the number of the archive tape.

```
ENTER THE NUMBER OF THE ARCHIVE TAPE OR CR TO EXIT
?
```

2. Enter the number of the tape. EDL prompts you for the name of the file to be archived.

```
ENTER THE NAME OF THE FILE TO BE ARCHIVED, LIST, OR CR TO RETURN
?
```

3. Enter the name of the file to be archived. (If you enter LIST, EDL displays a list of the files you own. You may select a file from the list by entering the index number for that file name.)

   EDL then asks whether a copy of the file should remain on the system.

```
SHOULD THE FILE BE REMOVED FROM DISK
ENTER YES OR NO (Y/N)
?
```

4. If you enter a CR or N, the archive job is submitted, EDL is updated to reflect the change, and the following messages are displayed:

```
*** A COPY OF THE FILE WILL BE ARCHIVED ***

*** THE ORIGINAL WILL REMAIN ON DISK ***
```

   If you enter Y, the archive job is submitted, EDL is updated to reflect the change, and the following messages are displayed:

```
*** THE FILE WILL BE ARCHIVED ***

*** NO COPY WILL REMAIN ON DISK ***
```

   The archive job is submitted to NOS only after all file names for the archive tape have been selected. EDL then returns to the ENTER THE NAME OF THE FILE TO BE ARCHIVED prompt.

Reclaiming Archived Files

The following steps guide you through returning an archived file to the system when you want to use it again. This procedure returns an archived file to its original NOS account and updates the EDL database. If the original file remains on the system disk, EDL asks you whether it should be overwritten with the archived copy. When you want to reclaim a file, you must own the file being reclaimed.

1. Enter 3 or RECLAIM from the Offline Storage menu. EDL prompts you for the name of the file to be reclaimed.

```
ENTER THE NAME OF THE FILE TO BE RECLAIMED, LIST, OR CR TO EXIT
?
```

2. Enter the name of the file to be reclaimed. (If you enter LIST, EDL displays a list of your files on the current NOS user name. You may select one of the files by entering the index number for that file name.)

   If the file is found, and if a file by the same name resides on the NOS account to which you are logged in, you are asked whether that file is to be overwritten.

```
SHOULD THE FILE ON DISK BE OVERWRITTEN
ENTER YES OR NO (Y/N)
?
```

   If you enter a CR or N, the ENTER THE NAME OF THE FILE TO BE RECLAIMED prompt is repeated. If you enter Y, the current file is purged from the disk and a copy of the file from the reclaim tape is written on the disk.

   EDL displays the following message:

```
*** THE FILE WILL BE RECLAIMED ***
```

   EDL then repeats the ENTER THE NAME OF THE FILE TO BE RECLAIMED prompt so you may enter other files to be reclaimed.

Editing Local Files

Entering 9 or LOCAL from the File Management menu displays the Local File Mangement menu shown below.

```
        LOCAL FILE MANAGEMENT
    1.  EXIT                                E,EXIT
    2.  LIST LOCAL FILES                    LISTLF
    3.  SAVE FILES                          SAVE
    4.  ACQUIRE FILES                       ACQUIRE
    5.  RETURN LOCAL FILES                  RETURN
    6.  EDIT FILES                          EDIT
    7.  ROUTE A FILE TO THE PRINTER         PRINT,ROUTE
    8.  REQUEST A TAPE                      REQUEST
ENTER TASK
?
```

The following steps describe how to retrieve the NOS text editor specified in your user profile and edit any text file that is local and/or known to EDL. (You may need to use either the ACQUIRE FILES task to acquire files that are not local, or the DEFINE FILES task to create a file to be edited. See the ICEM EDL Reference Manual for information on these and other local file management tasks.)

1. Enter 6 or EDIT from the Local File Mangement menu. EDL prompts you for the name of the file you wish to edit.

   ```
   ENTER THE NAME OF THE FILE YOU WISH TO EDIT OR CR TO EXIT
   ?
   ```

2. Enter the file name. If the file is local but not in WRITE mode, the following message is displayed:

   ```
   *** CAUTION - THE FILE IS NOT IN WRITE MODE SO CANNOT BE CHANGED ***
   ```

   If the file is local and can be edited, the edit session begins. (Otherwise, a new local file is created before the edit session begins. EDL assumes that new files are uppercase only. If you need an uppercase/lowercase file, use the DEFINE FILES task to create a file before editing it.) When FSE, XEDIT, or another specified editor is active, its headings and prompts appear.

3. When the edit session ends, a copy of the file remains local. (If you created any new files, you can use the SAVE FILES task to save the files and enter information about them into EDL.)

   EDL then returns to the previous task.

Creating Reports 12

Creating Reports 12

This chapter explains the types of reports you can generate from information stored within EDL.

EDL allows you to create standard reports for:

- Engineering data
- File information
- Parts, families, and vendors
- Users and groups
- EDL system information
- Part structure information

Your DBA may also have customized your EDL system to generate reports specific to your site.

To list standard report types, you enter 9 or REPORTS from the User Tasks menu to display the following Reports menu.

```
        REPORTS
    1.  EXIT                              E,EXIT
    2.  ENGINEERING DATA                  RDATA
    3.  FILE INFORMATION                  RFILES
    4.  PARTS, FAMILIES, VENDORS          RPFV
    5.  USERS AND GROUPS                  RUSER
    6.  EDL SYSTEM INFORMATION            RSYSTEM
    7.  PART STRUCTURE INFORMATION        RSTRUCTURE
ENTER TASK
?
```

All of the tasks on this menu, with the exception of EXIT, generate another menu from which you can make selections.

When you create a report, EDL puts the report on a local file called REPORTS. You can use your editor to look at this local file and view the report. (Chapter 11 describes how to use your editor.)

The following sections give examples of engineering data, file information, and part structure information reports. (See the ICEM EDL Reference Manual for examples of parts, families, vendors reports, users and groups reports, and EDL system information reports.)

Engineering Data Reports

Entering 2 or RDATA from the Reports menu displays the Engineering Data Reports menu shown below. Figures 12-1 and 12-2 are examples of reports generated by entering 2 or RDATAB, or 3 or RDATAF from this menu.

```
          ENGINEERING DATA REPORTS
      1.  EXIT                                  E,EXIT
      2.  YOUR ENGINEERING DATA, BRIEF          RDATAB
      3.  YOUR ENGINEERING DATA, FULL           RDATAF
   ENTER TASK
   ?
```

```
 86/02/05          ICEM ENGINEERING DATA LIBRARY                                  10.47.37

DATA OWNED BY DAVID      DANIEL     HANSON

HOST       UN       PFN      FILE TYPE
---------- -------- -------- --------------------
           MES100A CLUTCHH DRAWING FILE

DATA TYPE            DATA NAME            SID         REVISION   ENGINEERING CATEGORY CREATED    MODIFIED   RETRIEVED
-------------------- -------------------- ----------- ---------- -------------------- ---------- ---------- ----------
DRAWING              HOUSING              0000000001 1           PRODUCTION           86/02/05.  86/02/05.  86/02/05.

HOST       UN       PFN      FILE TYPE
---------- -------- -------- --------------------
           MES100A ENGF100 DRAWING FILE

DATA TYPE            DATA NAME            SID         REVISION   ENGINEERING CATEGORY CREATED    MODIFIED   RETRIEVED
-------------------- -------------------- ----------- ---------- -------------------- ---------- ---------- ----------
DRAWING              CLUTCH               0000000001 A           PRODUCTION           86/02/05.  86/02/05.  86/02/05.
DRAWING              CLUTCH B             0000000001 B           PRODUCTION           86/02/05.  86/02/05.  86/02/05.

HOST       UN       PFN      FILE TYPE
---------- -------- -------- --------------------
           MES100A SMODELS ISM LIBRARY

DATA TYPE            DATA NAME            SID         REVISION   ENGINEERING CATEGORY CREATED    MODIFIED   RETRIEVED
-------------------- -------------------- ----------- ---------- -------------------- ---------- ---------- ----------
ISM OBJECT           CLUTCH               0000000000 A           PRODUCTION           86/02/05.  86/02/05.  86/02/05.
ISM OBJECT           CLUTCH2              0000000000 B           PRODUCTION           86/02/05.  86/02/05.  86/02/05.
1  85/02/05          ICEM ENGINEERING DATA LIBRARY                                  10.47.37
```

Figure 12-1. Brief Engineering Data Report

```
86/02/05.          ICEM ENGINEERING DATA LIBRARY                    16.23.45. PAGE    6
                   FULL DATA REPORT

    DATA NAME  HOUSING
SECONDARY ID       1
    REVISION  1
       TITLE
      STATUS  WORKING
   DATA TYPE  DRAWING
    CATEGORY  PRODUCTION
     CREATOR  HANSON       HANSON, DAVID DANIEL
     CREATED   86/02/05.
     REVISED   86/02/05.
   RETRIEVED   86/02/05.

        HOST
 NOS USERNAME  MES100A
    FILE NAME  CLUTCHH
    FILE TYPE  DRAWING FILE
       OWNER  HANSON       HANSON, DAVID DANIEL
  FILE STATUS  WORKING
   PERMISSION  PR  R
     TAPE VSN

DATA DESCRIPTORS
ATTRIBUTE             VALUE
--------------------  ----------------------------------------
MODEL YEAR            1986
PRODUCT LINE          X456T
SALES CODE            W312X

PART NUMBER
------------------------------

PN10001
     ENGINE ASSEMBLY

PN1052306
     ENGINE HOUSING

PN1062305
     CLUTCH

PART FAMILY
----------------------------------------

DRIVE TRAIN
     PARTS ASSOCIATED WITH THE DRIVE TRAIN

VASR-550
     VEHICLE ASSEMBLY STRUCTURAL PARTS

SOURCE DATA
PFN      UN       NAME
CLUTCH   EDLDBA   HOUSING

REQUIRED SUPPORTING DATA
PFN      UN       NAME
CLUTCHB  EDLDBA   CLUTCH
```

Figure 12-2. Full Engineering Data Report

File Information Reports

Entering 3 or RFILES from the Reports menu displays the File Information Reports menu shown below. Figures 12-3 and 12-4 are examples of reports generated by entering 2 or RFILEB, or 3 or RFILEPB from this menu.

```
        FILE INFORMATION REPORTS
    1.  EXIT                                    E,EXIT
    2.  YOUR FILE INFORMATION, BRIEF            RFILEB
    3.  PERMITTED FILES, BRIEF                  RFILEPB
ENTER TASK
?
```

```
 86/02/05          ICEM ENGINEERING DATA LIBRARY                    10.49.50 PAGE 00001

FILES OWNED BY  DAVID      DANIEL     HANSON

HOST       PFN     UN      FILE TYPE           STATUS     VSN
---------- ------- ------- ------------------- ---------- ------
           CLUTCHH MES100A DRAWING FILE        WORKING
           COM1    MES100A DRAWING FILE        WORKING
           ENGF100 MES100A DRAWING FILE        WORKING
           FINAL   MES100A UPPER CASE TEXT FILE WORKING
           PROCFIL MES100A DRAWING FILE        WORKING
           SMODELS MES100A ISM LIBRARY         WORKING
           SSLL1   MES100A UPPER CASE TEXT FILE WORKING
```

Figure 12-3. Brief File Information Report

```
 86/02/05          ICEM ENGINEERING DATA LIBRARY                                  10.51.27
                   FILES PERMITTED TO HANSON

FILES OWNED BY

HOST       PFN     UN      FILE TYPE           STATUS     VSN    PERMISSION
---------- ------- ------- ------------------- ---------- ------ -
           CLUTCH  EDLDBA  DRAWING FILE        WORKING           R
           CLUTCHB EDLDBA  DRAWING FILE        WORKING           W
```

Figure 12-4. Brief Permitted Files Report

Part Structure Information Reports

Entering 7 or RSTRUCTURE from the Reports menu displays the Part Structure Information Reports menu shown below. The following paragraphs describe how to create the reports available from this menu.

```
        PART STRUCTURE INFORMATION REPORTS
    1.  EXIT                                E,EXIT
    2.  PARTS LIST                          RPARTS
    3.  INDENTED PARTS LIST                 RPARTI
    4.  WHERE USED PARTS LIST               RPARTW
    5.  PART REVISION HISTORY LIST          RPARTR
ENTER TASK
?
```

Parts List

Entering 2 or RPARTS creates a report that lists all the part structure information for the components in a single part revision. EDL prompts you for the parent part number.

```
ENTER THE PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

If you enter LIST, EDL displays the List Part Numbers option menu from which you select the correct part number.

When you enter a valid parent part number, EDL prompts you for the revision to be used.

```
ENTER THE PART REVISION LEVEL, EXIT, OR CR FOR THE LATEST
?
```

If you enter a CR, EDL uses the revision with the highest alphabetic sequence in the database for the specified parent part. When you enter a revision level, EDL displays the following message:

```
*** CREATING REPORT ***
```

After the report is created, EDL displays the following message and returns to the previous task menu.

```
*** REPORT IS ON LOCAL FILE 'REPORTS' ***
```

Figure 12-5 shows the format of the Parts List Report.

```
86/08/27.      ICEM ENGINEERING DATA LIBRARY          16.44.48.      PAGE     1
                        PARTS LIST REPORT


 PARENT PART NUMBER   REVISION   STATUS      ECO          DESCRIPTION
 ------------------   --------   ------      ---          -----------
 PN0100               A          RELEASED    1            BASIC SAW ASSEMBLY


 SEQ   COMPONENT PART NUMBER      QUANTITY   U/M          DESCRIPTION
 ---   --------------------       --------   ---          -----------
   1   PN0002                            1   EACH         REAR TABLE
   2   PN0005                            1   EACH         TABLE SPACER
   3   PN0006                            1   EACH         RIP FENCE
   4   PN0008                            1   EACH         FRONT TABLE
   5   PN0010                            1   EACH         LOOSE PARTS BAG
   6   PN0020                            1   EACH         LOOSE PARTS BAG
   7   PN0030                            1   EACH         LOOSE PARTS BAG
```

Figure 12-5. Parts List Report

Indented Parts List

Entering 3 or RPARTI creates a report that lists all the subcomponents of each component for a single part revision. It lists only the latest revision for each component of the assembly. EDL prompts you for the parent part number as follows:

```
ENTER THE PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

If you enter LIST, EDL displays the List Part Numbers option menu from which you select the correct part number.

When you enter a valid parent part number, EDL prompts you for the revision to be used.

```
ENTER THE PART REVISION, EXIT, OR CR FOR THE LATEST
?
```

If you enter a CR, EDL uses the revision with the highest alphabetic sequence for the specified parent part. When you enter a valid part revision, EDL displays the following message:

```
*** CREATING REPORT ***
```

After the report is created, EDL displays the following message and returns to the previous task menu.

```
*** REPORT IS ON LOCAL FILE 'REPORTS' ***
```

Figure 12-6 shows the format of the Indented Parts List Report.

86/08/27. ICEM ENGINEERING DATA LIBRARY 16.45.05. PAGE 1
INDENTED PARTS LIST REPORT

PARENT PART NUMBER	REVISION	STATUS	ECO	DESCRIPTION
PN0100	A	RELEASED	1	BASIC SAW

COMPONENT	QUANTITY	U/M	DESCRIPTION
PN0002	1	EACH	REAR TABLE
PN0005	1	EACH	TABLE SPACER
PN0006	1	EACH	RIP FENCE
PN0008	1	EACH	FRONT TABLE
PN0010	1	EACH	LOOSE PARTS BAG
PN0011	2	EACH	RIP-SCALE INDICATOR
PN0012	4	EACH	TWIN NUT
PN0013	4	EACH	MACHINE SCREW
PN0015	1	EACH	HEX "L" WRENCH
PN0017	1	EACH	ARBOR WRENCH
PN0018	1	EACH	ELEVATION CRANK ASSEMBLY
PN0019	1	EACH	SHAFT WRENCH
PN0020	1	EACH	LOOSE PARTS BAG
PN0021	4	EACH	MACHINE SCREW
PN0022	5	EACH	WASHER, STEEL(FLAT)
PN0023	1	EACH	NUT,"T"
PN0024	1	EACH	SCREW, PAN HD.
PN0029	2	EACH	TABLE CLAMP
PN0025	4	EACH	NUT,HEX
PN0028	4	EACH	LOCKWASHER
PN0030	1	EACH	LOOSE PARTS BAG
PN0015	1	EACH	HEX "L" WRENCH
PN0033	1	EACH	SWITCH KEY
PN0028	4	EACH	LOCKWASHER
PN0036	4	EACH	WASHER, FLAT
PN0037	1	EACH	SET SCREW, CUP PT.
PN0038	2	EACH	NUT, LOCK
PN0039	4	EACH	BOLT, SQ. HD.

Figure 12-6. Indented Parts List Report

Where Used Parts List

Entering 4 or RPARTW creates a report that lists all the assemblies in which a component part is used. EDL first prompts you for the component part number.

```
ENTER THE COMPONENT PART NUMBER, LIST, OR CR TO EXIT
?
```

If you enter LIST, EDL displays the List Part Numbers option menu from which you select the correct part number.

When you enter a valid component part number, EDL displays the following message:

```
*** CREATING REPORT ***
```

After the report is created, EDL displays the following message and returns to the previous task menu.

```
*** REPORT IS ON LOCAL FILE 'REPORTS' ***
```

Figure 12-7 shows the format of the Where Used Parts List Report.

```
86/08/27.      ICEM ENGINEERING DATA LIBRARY          16.45.31.      PAGE     1
               WHERE USED PARTS LIST REPORT


 COMPONENT PART NUMBER      DESCRIPTION
 ---------------------      -----------
 PN0028                     LOCKWASHER


 PARENT PART NUMBER    REVISION     ECO          STATUS       DESCRIPTION
 ------------------    --------     ---          ------       -----------
 PN0020                 A-1         1            WORKING      LOOSE PARTS BAG
 PN0030                 A           2            WORKING      LOOSE PARTS BAG
```

Figure 12-7. Where Used Parts List Report

Part Revision History List

Entering 5 or RPARTR creates a report that lists the range of part revisions for which each component of an assembly is used. EDL first prompts you for the parent part number as follows.

```
ENTER THE PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

If you enter LIST, EDL displays the List Part Numbers option menu from which you select the correct part number.

When you enter a valid parent part number, EDL displays the following message:

```
*** CREATING REPORT ***
```

After the report is created, EDL displays the following message and returns to the previous task menu.

```
*** REPORT IS ON LOCAL FILE 'REPORTS' ***
```

Figure 12-8 shows the format of the Part Revision History List Report.

```
86/08/27.      ICEM ENGINEERING DATA LIBRARY          16.45.22.      PAGE     1
             PART REVISION HISTORY LIST REPORT


 PARENT PART NUMBER      DESCRIPTION
 ------------------      -----------
 PN0100                  BASIC SAW ASSEMBLY


 REVISION        STATUS          ECO
 --------        ------          ---
 A               RELEASED        1
 B               WORKING         2
```

Figure 12-8. Part Revision History List Report

Controlling the Job Queue 13

Controlling the Job Queue 13

This chapter describes how to display and control your batch jobs. Batch jobs are created by some EDL transfers, by reports waiting to be printed, and by jobs waiting to be plotted. In addition, ICEM applications may create batch jobs.

You may want to list the job queue in order to monitor the transfer of engineering data. If the transfer fails, you can look at the job's dayfile to discover what went wrong. You can then drop the job from the queue.

You enter 10 or QUEUE from the User Tasks menu to display the following Job Queue Control menu.

```
      JOB QUEUE CONTROL
   1. EXIT                                  E,EXIT
   2. LIST JOBS IN THE QUEUE                JOBS
   3. GET A JOB'S OUTPUT AND DAYFILE        GETJOB
   4. DROP A JOB FROM THE QUEUE             DROPJOB
ENTER TASK
?
```

The following sections explain how to use the tasks available on this menu.

List Jobs in the Queue

Entering 2 or JOBS from the Job Queue Control menu lists the job sequence name (JSN) and status of all jobs in your queue. The list shows all batch jobs as well as your currently executing EDL session. This display is the same as that generated by the NOS command ENQUIRE,JSN.

Get a Job's Output and Dayfile

Entering 3 or GETJOB from the Job Queue Control menu retrieves batch job output after the job has executed and has a NOS status of WAIT.

EDL displays the following prompt:

```
ENTER THE JOB SEQUENCE NAME (JSN) OF THE OUTPUT TO BE RETRIEVED
?
```

Enter the four-character JSN that identifies the output you want to display. EDL creates a local file containing job output and the dayfile from the queue. You can use your editor to look at this local file. (Chapter 11 describes how to use your editor.) If you see a problem, such as an aborted translation in the dayfile, you can save the file and notify your DBA.

Drop a Job from the Queue

Entering 4 or DROPJOB from the Job Queue Control menu either drops a job's output without displaying it or terminates the execution of a batch job. This task is equivalent to the NOS command DROP,jsn.

EDL displays the following prompt:

```
ENTER THE JOB SEQUENCE NAME (JSN) OF THE JOB TO BE DROPPED
?
```

Enter the four-character JSN that identifies the output or job. EDL either drops the output or terminates the job.

Managing Part Structures 14

Managing Part Structures 14

This chapter explains how to create a hierarchy of part relationships by dividing parts into parent and component parts. This feature provides you with another way to define your data. It is especially useful for controlling costs as you can track the parts that make up an assembly.

A part is the completed physical product of your engineering designs. Your DBA creates a unique part number up to 70 characters long to identify a part. This part number is simply an EDL descriptive label. For example, you could associate a single part number with many data sets.

You can divide parts into parent parts and component parts. A parent part is a part that has a revision level and may be made up of component parts. (A parent part and its components are often called an assembly.) For example, a car could be considered a parent part with components such as tires and an engine. Note that an engine could also be considered a parent part with components such as spark plugs and pistons.

You may associate both parent and component parts with other data. For example, you may associate a component part with a vendor or family just as you associate a parent part. In addition, you can use part structure information stored in EDL to generate several part structure reports (described in chapter 12).

Entering 11 or STRUCTURE from the User Tasks menu displays the Part Structure Management menu shown below.

```
        PART STRUCTURE MANAGEMENT
    1.  EXIT                                    E,EXIT
    2.  ADD PART REVISIONS                      A,ADD
    3.  DELETE PART REVISIONS                   D,DELETE
    4.  CHANGE PARTS LIST FOR A PART REVISION   C,CHANGE
SELECT OPTION
?
```

The following sections describe the options available to manage part structure information.

Adding a Part Revision

The following steps show you how to add part revisions.

1. Enter 2, A, or ADD from the Part Structure Management menu. EDL prompts you for the parent part number.

```
ENTER THE NEW PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

2. Enter the parent part number to which the part revision will be associated. (If you enter LIST, EDL displays the List Part Numbers menu from which to make a selection.) EDL displays the existing revision levels for the parent part and prompts you for the new revision level, as shown below.

```
PARENT PART NUMBER
 P149853

REVISION LEVELS              STATUS
                             WORKING
 A                           RELEASED
 B                           RELEASED
 C                           WORKING


ENTER THE REVISION LEVEL OR CR TO RETURN
?
```

   The status column indicates if the revision level is in WORKING or RELEASED status.

3. Enter a new revision level. EDL prompts you for the engineering change order (ECO) number associated with the new revision.

```
ENTER THE ECO FOR THE NEW REVISION OR CR TO RETURN
?
```

4. Enter an ECO number. EDL displays the following message:

```
*** THE PART REVISION HAS BEEN DEFINED ***
```

   EDL then checks to see whether a previous revision of this assembly exists from which to copy the parts list. If one exists, EDL prompts you for the revision level from which to copy the new parts list, as follows:

```
ENTER THE REVISION LEVEL TO COPY THE PARTS LIST FROM,
LIST, OR CR FOR LATEST
?
```

   If no previous revision of the assembly exists, EDL gives you the option to either copy a parts list from a different part number or create a new parts list.

```
DO YOU WISH TO COPY THE PARTS LIST FROM A
REVISION OF ANOTHER PARENT
ENTER YES OR NO (Y/N)
?
```

   Various ways of obtaining a parts list are explained in the following sections.

Copying a Parts List from a Previous Revision of the Assembly

This section explains how to copy a parts list from a previous revision of the assembly.

When EDL prompts you for the revision level from which to copy the new parts list, enter a valid revision level. (Entering LIST displays a selection list of existing revision levels for the parent part.) If you enter a CR, EDL uses the revision with the highest alphabetic sequence and displays the following message to let you know the revision level (revlev) used.

```
THE REVISION LEVEL TO BE USED IS revlev
```

When you specify a valid revision level, EDL copies the parts list, displays the following message, and continues to the Change Parts List menu discussed later in this chapter.

```
*** THE PARTS LIST HAS BEEN COPIED ***
```

Copying a Parts List from a Different Parent Part

The following steps show you how to copy a parts list from a different parent part.

1. When EDL asks if you wish to copy the parts list from a revision of another parent part, enter Y or YES. EDL prompts you for the list from which to copy.

   ```
   ENTER THE PARENT PART TO COPY THE PARTS LIST FROM, LIST, OR CR TO EXIT
   ?
   ```

2. Enter a valid part number. (If you enter LIST, EDL displays the List Part Numbers menu from which to make a selection.) EDL prompts you for the revision from which to copy the new list.

   ```
   ENTER THE REVISION TO COPY THE PARTS LIST FROM, LIST, OR CR FOR LATEST
   ?
   ```

3. Enter a revision level. (Entering LIST displays a selection list of all revision levels for the parent part.) If you enter a CR, EDL uses the revision with the highest alphabetic sequence for the parent part and displays the following message to let you know the revision level used (revlev):

   ```
   THE REVISION LEVEL TO BE USED IS revlev
   ```

   EDL adds the new part revision, copies the parts list, and displays the following message before continuing to the Change Parts List menu described later in this chapter.

   ```
   *** THE PARTS LIST HAS BEEN COPIED ***
   ```

Creating a New Parts List

The following steps show you how to create a new parts list.

1. When EDL asks if you wish to copy the parts list from a revision of another parent part, enter N. EDL assumes you wish to create a new parts list and prompts you for the components to be added.

```
ENTER THE COMPONENT PART NUMBER OR CR TO EXIT
?
```

2. Enter a component part number. EDL prompts you for the unit of measure, quantity, and sequence number of the new component. First EDL displays the following prompt:

```
ENTER THE UNIT OF MEASURE, LIST, OR CR TO RETURN
?
```

3. Enter the unit of measure. (Entering LIST displays a selection list of all the units of measure in the database that you can enter.) EDL prompts you for the quantity.

```
ENTER THE QUANTITY FOR THE COMPONENT OR CR TO RETURN
?
```

4. Enter the quantity. EDL displays the following prompt:

```
ENTER THE SEQUENCE NUMBER FOR THE COMPONENT OR CR FOR NEXT
?
```

   EDL uses the sequence number to sort part structure information for EDL reports.

5. Enter the sequence number. If you enter a CR, EDL uses the next available sequence number in the database for that part structure in intervals of multiples of 10 and displays the following message to let you know the number (seqnum).

```
THE SEQUENCE NUMBER TO BE USED FOR THIS COMPONENT IS seqnum
```

   When you specify the sequence number, EDL displays the following message before returning to the ENTER THE COMPONENT PART NUMBER prompt.

```
*** THE COMPONENT HAS BEEN ADDED TO THE PARTS LIST ***
```

6. After you enter component part numbers and then enter a CR at the ENTER THE COMPONENT PART NUMBER prompt, EDL displays the following prompt:

```
DO YOU WISH TO UPDATE THE PARTS LIST FOR THE PART REVISION?
ENTER YES OR NO (Y/N)
?
```

7. If you enter N, EDL returns to the ENTER THE PARENT PART NUMBER prompt for adding part revisions. If you enter Y, EDL continues to the Change Parts List menu discussed later in this chapter.

Deleting a Part Revision

The following steps show you how to delete a part revision.

1. Enter 3, D, or DELETE from the Part Structure Management menu. EDL prompts you for the parent part number.

```
ENTER THE PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

2. Enter the parent part number. (If you enter LIST, EDL displays the List Part Numbers option menu from which to make a selection.) EDL prompts for the part revision level for that parent part number.

```
ENTER THE REVISION LEVEL, LIST, OR CR TO RETURN
?
```

3. Enter the unreleased part revision level of the parent part. (If you enter LIST, EDL displays a selection list of the unreleased revision levels for the specified parent part.) EDL displays the part structure information for that revision and prompts you to verify the deletion.

```
PARENT PART NUMBER              REVISION          DESCRIPTION
  P245968                         A-1

SEQ    COMPONENT PART NUMBER    QTY       U/M     DESCRIPTION
 1       P374859                 2         EACH
 2       P379488                 6         FT.
 3       P37498                  1         EACH

DO YOU WISH TO DELETE THIS PART REVISION
ENTER YES OR NO (Y/N)
?
```

Sometimes EDL displays a warning message before the information display. If the revision to be deleted is a component part for another assembly, EDL displays the following message:

```
*** WARNING - THE PART REVISION TO BE DELETED IS USED IN ANOTHER PARTS LIST ***
```

EDL also warns you if any engineering data sets are associated with the part revision to be deleted.

```
*** WARNING - THE PART REVISION TO BE DELETED HAS ENGINEERING DATA
              ASSOCIATED TO IT ***
```

4. If you enter Y when prompted to delete the revision, EDL deletes the part revision, displays the following message, and returns to the ENTER THE PARENT PART NUMBER prompt:

```
*** THE PART REVISION HAS BEEN DELETED ***
```

If you enter N, the part revision is not deleted and EDL returns to the ENTER THE PARENT PART NUMBER prompt.

Changing a Parts List for a Part Revision

The following steps illustrate changing a parts list for a part revision.

1. Enter 4, C, or CHANGE from the Part Structure Management menu. EDL prompts you for the parent part number.

```
ENTER THE PARENT PART NUMBER, LIST, OR CR TO EXIT
?
```

2. Enter the parent part number. (If you enter LIST, EDL displays the List Part Numbers menu from which to make a selection.) EDL displays the following prompt:

```
ENTER THE REVISION LEVEL, LIST, OR CR TO RETURN
?
```

3. Enter the unreleased revision level of the parts list to be changed. (If you enter LIST, EDL displays a selection list of the unreleased revision levels for the specified parent part.) EDL displays the following menu.

```
    CHANGE PARTS LIST
1.  EXIT                          E,EXIT
2.  LIST COMPONENTS               L,LIST
3.  ADD COMPONENTS                A,ADD
4.  DELETE COMPONENTS             D,DELETE
5.  CHANGE COMPONENT INFORMATION  C,CHANGE
SELECT OPTION
?
```

The options on this menu are discussed in the following sections.

Listing Components

The following steps explain how to display a list of information about all the component parts for an assembly.

1. Enter 2, L, or LIST from the Change Parts List menu. EDL displays a list of information about all the component parts for the assembly in the following format.

```
PARENT PART NUMBER                REVISION  DESCRIPTION
  P243671                           A-1

SEQ   COMPONENT PART              QTY       U/M       DESCRIPTION
 1      P374928                   2         EACH
 2      P736293                   6         FT.
 3      P827260                   1         EACH
```

After displaying the list, EDL returns to the Change Parts List menu.

Adding Components

The following steps explain how to add components to the parts list for an assembly.

1. Enter 3, A, or ADD from the Change Parts List menu. EDL prompts you to enter the component information to be added to the part structure.

```
ENTER THE COMPONENT PART NUMBER OR CR TO EXIT
```

2. Enter the component part number. EDL displays the following prompt.

```
ENTER THE UNIT OF MEASURE FOR THE COMPONENT, LIST, OR CR TO RETURN
?
```

3. Enter the unit of measure for the new component. EDL prompts you for the quantity:

```
ENTER THE QUANTITY FOR THE COMPONENT OR CR TO RETURN
```

4. Enter the quantity of the new component. EDL prompts you for the sequence number.

```
ENTER THE SEQUENCE NUMBER FOR THE COMPONENT OR CR FOR NEXT
?
```

5. Enter the sequence number of the new component. If you enter a CR, EDL uses the next available sequence number for that part structure in intervals of multiples of 10. EDL then displays the sequence number used (seqnum) in the following message:

```
THE SEQUENCE NUMBER TO BE USED FOR THE COMPONENT IS seqnum
```

   When you specify a sequence number, EDL displays the following message and returns to the ENTER THE COMPONENT PART NUMBER prompt.

```
*** THE COMPONENT HAS BEEN ADDED TO THE PARTS LIST ***
```

Deleting Components

The following steps explain how to delete components from the parts list.

1. Enter 4, D, or DELETE from the Change Parts List menu. EDL prompts you for the sequence number of the component you wish to delete from the parts list.

```
ENTER THE SEQUENCE NUMBER FOR THE COMPONENT, LIST, OR CR TO RETURN
?
```

2. Enter the sequence number. (If you enter LIST, EDL displays a selection list of all the components for the part revision.) EDL displays the information about the component and prompts you to verify the deletion.

The information is displayed in the format shown in the following example:

```
PARENT PART NUMBER                    REVISION  DESCRIPTION
  P243967                               A-1

SEQ    COMPONENT PART                 QTY       U/M       DESCRIPTION
 2       P757843                      2         EACH

DO YOU WISH TO DELETE THIS COMPONENT FROM THE PARTS LIST
ENTER YES OR NO (Y/N)
?
```

3. If you enter Y, EDL deletes the component, displays the following message, and returns to the ENTER THE COMPONENT PART NUMBER prompt.

```
*** THE COMPONENT HAS BEEN DELETED FROM THE PARTS LIST ***
```

If you enter N, EDL does not delete the component from the parts list, but returns instead to the ENTER THE COMPONENT PART NUMBER prompt.

Changing Component Information

The following steps show you how to change component information on the parts list.

1. Enter 5, C, or CHANGE from the Change Parts List menu. EDL prompts you for the sequence number of the component to be changed.

```
ENTER THE SEQUENCE NUMBER FOR THE COMPONENT, LIST, OR CR TO RETURN
?
```

2. Enter the sequence number. (If you enter LIST, EDL displays a selection list of all components for the current parent part number.) EDL displays the following information about the component and prompts you for any changes to be made.

```
THE UNIT OF MEASURE FOR THIS COMPONENT IS units

ENTER THE NEW UNIT OF MEASURE OR CR FOR SAME
?
```

`units` is the current value for the units of measure.

3. You may modify the unit of measure at this point. If you enter a CR, the unit of measure remains the same. EDL then prompts for more changes.

```
THE QUANTITY FOR THIS COMPONENT IS quantity

ENTER THE NEW QUANTITY OR CR FOR SAME
?
```

`quantity` is the current value for the quantity.

4. You may change the quantity now. If you enter a CR, the quantity remains the same. EDL prompts for more changes.

```
THE COMPONENT PART NUMBER IS partnum

ENTER THE NEW COMPONENT PART NUMBER OR CR FOR SAME
?
```

partnum is the current value of the part number.

5. You may change the component part number. If you enter a CR, the component part number remains the same. EDL then displays the following message and returns to the ENTER THE COMPONENT PART NUMBER prompt.

```
*** THE COMPONENT INFORMATION HAS BEEN CHANGED ***
```

NOTE

It may be helpful to look at the sample Indented Parts List Report (figure 12-6) when setting up your part structure.

Glossary A

Glossary A

A

Assembly

A collection of parts. This term is not recognized by EDL for identification purposes.

Attribute

The characteristic information about a drawing, model, or part such as size or material. An attribute and its value make up a descriptor.

C

Command

A word, text string, or menu selection that executes a specific task from any task level menu. Commands are listed in the right-hand columns of task menus (see Task Menu).

Component Part

The lower part in a part structure relationship.

D

Data Set

A data set is a unique piece of engineering information managed by EDL. For example, a data set may be a single drawing, a pattern, a solid model workspace, a document, or a finite element model, depending on your application. A data set exists on a file. Each data set is uniquely identified by the file on which it exists (file type) and the application-dependent name within the file (data type).

Database Administrator (DBA)

The person who manages access to and use of the EDL database.

Descriptor

An attribute and its value.

Design

A general term that includes drawings, solid models, finite element models, and IGES data files.

Design Information

The attributes and characteristics of drawings or models (see Attribute).

Drawing

The display of the geometric size and shape of a model, or the display of the logic connections of a circuit. A drawing is characterized by drawing name, sheet number, and revision.

E

Engineering Category

A category that groups data sets by their use or characteristics. Examples of category are: product definition data, tooling data, and sketch. This label is required by EDL.

Engineering Data Library (EDL)

A database that manages the storage, retrieval, status, and security of computer-aided engineering designs.

F

Function

One of the capabilities of an EDL task listed as a menu item. For example, MAKE A NEW DRAWING is one of the functions of the Design/Drafting/NC task.

G

Global Command

A task level command that does not appear on a menu.

I

Indented Parts List

A list of parent and component parts displayed in an indented format.

Initial Graphics Exchange Specification (IGES)

Provides the method for exchanging data between various CAD/CAM packages, and specifies a standard format for describing a design and a design's manufacturing information.

M

Menu

A list of available selections (either tasks or options) that appears on your screen.

Model

A solid or finite element design expressed in digital form. A model is identified by a unique model name and revision number.

O

Option

A low-level function specific to a task or another option. Options are available and listed on each option menu and can be executed only within that menu (see Option Menu).

Option Menu

A menu that lists options. Only those options listed may be executed. Option menus are identified by the SELECT OPTION prompt.

P

Parent Part

The higher part in a part structure relationship. A part with a revision level. A parent part may be made up of component parts, allowing subdivision of a part.

Part

The completed physical product of engineering designs. A part is identified by a unique part number, determined by your site, that can have as many as 70 alphanumeric characters.

Part Structure

An optional subdivision of parts into parent and component parts, creating a part relationship hierarchy.

Piece Part

A part that cannot be divided into components. The lowest level of a part hierarchy.

Post File

An analyzed file of a solid model, stored in pictorial form. Examples are hidden-line, color-shaded, or view-independent and view-dependent displays.

Prompt

An EDL request for information about a user or a data set. A prompt may appear after a task or option menu, or as an interactive prompt.

R

Released Drawing or Model

A drawing or model that has been reviewed and approved. When a drawing or model is released, its configuration becomes fixed.

Revision Level

The increment that identifies the number of times a drawing or model has been revised and released. This is optional, user-defined information.

S

Schematic

A design of electrical circuits.

Sheet Number

A subdivision of an ICEM DDN drawing. A single drawing can have many separate sheets.

Subassembly

An assembly of piece parts and/or other subassemblies that is a component of a higher order assembly.

T

TAPE3 (Drawing)

An ICEM DDN drawing file that contains all active ICEM DDN drawings.

Task

A high-level function designed to perform at the command level. Tasks are listed in task menus. Any task may be executed from any task menu (see Task Menu).

Task Menu

A menu that lists tasks. Any task may be executed from any task menu. Task menus are identified by the ENTER TASK prompt.

V

VSN

Volume serial number of a magnetic tape reel.

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Comments (continued from other side)

Please fold on dotted line;
seal edges with tape only.

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We value your comments on this manual. While writing it, we made some assumptions about who would use it and how it would be used. Your comments will help us improve this manual. Please take a few minutes to reply.

Who are you?

- ☐ Manager
- ☐ Systems analyst or programmer
- ☐ Applications programmer
- ☐ Operator
- ☐ Other _____

How do you use this manual?

- ☐ As an overview
- ☐ To learn the product or system
- ☐ For comprehensive reference
- ☐ For quick look-up

What programming languages do you use? _____

_____

How do you like this manual? Check those questions that apply.

Yes	Somewhat	No	
☐	☐	☐	Is the manual easy to read (print size, page layout, and so on)?
☐	☐	☐	Is it easy to understand?
☐	☐	☐	Does it tell you what you need to know about the topic?
☐	☐	☐	Is the order of topics logical?
☐	☐	☐	Are there enough examples?
☐	☐	☐	Are the examples helpful? (☐ Too simple? ☐ Too complex?)
☐	☐	☐	Is the technical information accurate?
☐	☐	☐	Can you easily find what you want?
☐	☐	☐	Do the illustrations help you?

Comments? If applicable, note page and paragraph. Use other side if needed.

Would you like a reply? ☐ Yes ☐ No

From:

Name _____ Company _____

Address _____ Date _____

_____ Phone _____

Please send program listing and output if applicable to your comment.

EDL Commands

Following is a quick reference list of the EDL commands, including a short description of each command.

ACCEPT – accept submitted data
ACQUIRE – acquire files
ADDINFO – add EDL information for engineering data
ARCHIVE – archive files
CHGINFO – change EDL information for engineering data
CHGPEND – change a review signature
COMMANDS – list available tasks
CORRECT – correct file information
DDN – access ICEM DDN menu
DEFAULT – access Default Files menu
DEFINE – define file
DELETE – delete files
DELFTN – delete a GPL FORTRAN subroutine
DELGPL – delete a GPL program
DELINFO – delete EDL information for engineering data
DROPJOB – drop a job from the queue
E – exit the current task menu and return to the previous task
EDIT – edit files
EXIT – exit the current task menu and return to the previous task
EXPORT – export a file to another host
F – return to your first EDL task
FILE – access File Management menu
FINALIZE – finalize data release
FIRST – return to your first EDL task
GETJOB – get a job's output and dayfile from the queue
GPL – access GPL menu
ICEM – access ICEM Applications menu
IMPORT – import a file from another host
ISM – access Solid Modeling menu
JOBS – list all jobs in your queue
LINK – transfer files between hosts
LISTFIL – list permanent files
LISTLF – list local files
LISTOWNF – list own files
LISTPERF – list permitted files
LOADINFO – load EDL information for engineering data from a data file
LOCAL – manage local files

EDL Commands

(Continued)

MAIN – access User Tasks menu
NEWDDN – create a DDN drawing
NEWFTN – create a FORTRAN subroutine
NEWGPL – create a GPL program
NEWISM – create a solid model
NEWSCH – create a schematic
NEWUS – create a UNISTRUC finite element model
NOTE – access NOTE facility
OFFLINE – manage offline files
PAT – access PATRAN menu
PERMIT – access File Permission menu
PERSONAL – manage personal information
PLOT – access ICEM Plotting menu
PLOTDDN – plot a local DDN file (always TAPE9)
PLOTNP – plot a local neutral picture file
PLOTUS – plot a local UNISTRUC plot file
PRINT – route a file to the printer
PROFILE – access User Profile menu
Q – terminate all EDL processing
QUEUE – access Job Queue Control menu
QUIT – terminate all EDL processing
RDATA – generate Engineering Data reports
RDATAB – generate a Brief Engineering Data report
RDATAF – generate a Full Engineering Data report
READ – read a NOTE
RECLAIM – reclaim archived files
RELEASE – access Release Engineering Data menu
RELPARTS – release a part structure
REPORTS – access Reports menu
REQUEST – request a tape
RERROR – generate an Error Messages report
RESUMEDDN – resume a suspended DDN session
RETDDN – retrieve a DDN drawing
RETFTN – retrieve a GPL FORTRAN subroutine
RETGPL – retrieve a GPL program
RETISM – retrieve solid modeling data
RETRIEVE – access Select Data Retrieval Method menu
RETSCH – retrieve a schematic
RETURN – return local files

EDL Commands

(Continued)

RETUS – retrieve a UNISTRUC finite element model
REVIEW – access tasks for reviewing pending release data
REVPEND – review pending release data
RFAM – generate a Family Information report
RFILEB – generate a Brief User Files Information report
RFILEPB – generate a Brief Permitted Files report
RFILES – generate File Information reports
RGROUP – generate a Full Groups Data report
ROUTE – route a file to the printer
RPARTI – generate an Indented Parts List report
RPARTR – generate a Part Revision History List report
RPARTS – generate a Parts List report
RPARTW – generate a Where Used Parts List report
RPFR – generate a Part Family Relationships report
RPFV – generate Part, Family, or Vendor Information reports
RPRT – generate a Part Information report
RPVR – generate a Part Vendor Relationships report
RSTRUCTURE – generate Part Structure Information reports
RSYSTEM – generate EDL System Information reports
RTT – generate a Transfers and Translations report
RTYPES – generate a File and Data Types report
RUNUS – run UNISTRUC from a script
RUSER – generate Users and Groups reports
RUSERB – generate a Brief EDL Users report
RUSERF – generate a Full EDL Users report
RVEN – generate a Vendor Information report
SAVE – save local files and update EDL with the file information
SCH – access ICEM Schematics menu
SEND – send a NOTE
STOP – terminate all EDL processing
STRUCTURE – access Part Structure Management menu
SUBMIT – submit data for release
TASKS – list available tasks
TERMINAL – manage terminal configuration
TRANSFER – transfer or translate engineering data
UPDATE – access Update EDL for Engineering Data menu
US – access UNISTRUC menu
USER – access User Tasks menu