

**ELISTexec.8100.Final.SOL7.UM**

**Defense Information Infrastructure (DII)  
Common Operating Environment (COE)**

**User's Manual (UM)  
for the  
Enhanced Logistics Intratheater Support Tool (ELIST)  
Software Segment Version 8.1.0.0  
for Solaris 7**

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# 1. Scope

This document is the *User's Manual (UM) for the Enhanced Logistics Intratheater Support Tool (ELIST) Software Segment*. It tells how to use the end-user and administrative features of the segment. The instructions in Sections 4.2.1, 5.3.1, and 5.3.2 for the end-user features (**Run ELIST** and **Run ETEdit**) only cover the launching of those features in the DII COE environment; full details on the operation of ELIST and ETEdit in any environment can be found in the documents listed in Section 2.1.3 and referenced elsewhere in this document. On the other hand, complete instructions for the administrative features (**Add Map Data** and **Delete Map Data**) are presented in Sections 4.2.2, 5.3.3, and 5.3.4 of this document.

## 1.1 Identification

The ELIST Software Segment is one of seven segments that make up the DII COE ELIST mission application.

Table 1 identifies all the segments of the ELIST mission application. In the table, each segment is given a number by which it may be referenced in this document. The table also gives the name, the segment type (and, if a data segment, the segment scope), the current version number, and the directory name assigned to each segment.

**Table 1. Segments of the ELIST Mission Application**

Segment Number	Segment Name	Segment Type / Scope	Version Number	Directory Name
1	ELIST Global Data Segment	Data / Global	8.1.0.0	ELISTglob
2	ELIST Database Instance Segment	Data / Segment	8.1.0.0	ELISTdbinst
3	ELIST Database Fill Segment	Data / Local	8.1.0.0	ELISTdbfill
4	ELIST Database Segment	Database	8.1.0.0	ELISTdb
5	ELIST Database Utility Segment	Software	8.1.0.0	ELISTdbutil
6	ELIST Software Segment	Software	8.1.0.0	ELISTexec
7	ELIST Reference Data Segment	Data / Local	8.1.0.0	ELISTrefdata

All seven segments have the following identification properties in common:

<b>Segment Prefix</b> <sup>1</sup> :	ELIST
<b>Platform(s)</b> <sup>2</sup> :	Sun/Solaris 7
<b>DII COE Versions:</b>	4.2.0.0P4 or later

All seven of the ELIST segments must be installed before you can use the ELIST mission application.<sup>3</sup>

<sup>1</sup> Note carefully that all segments have the same prefix. This is not typical of multisegment DII COE mission applications.

<sup>2</sup> Implementation of the ELIST segments for PC/Windows NT 4.0 will follow shortly. This documentation covers only the Sun/Solaris 7 platform but will be supplemented or replaced when an implementation becomes available for NT.

<sup>3</sup>To save space, however, the ELIST Database Fill Segment can be removed after successfully installing the ELIST Database Segment.

Refer to the *Introduction to the Enhanced Logistics Intratheater Support Tool (ELIST) Mission Application and its Segments: Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Database Utility Segment, Software Segment, and Reference Data Segment* for the following:

- an overview of the mission application and all of its segments in the context of the application;
- the definitions of key concepts and terms used throughout the ELIST documentation;
- a complete list of the available ELIST documentation.
- a brief history of ELIST; and
- basic information pertinent to the client/server configuration and installation of the ELIST segments.

## **2. Referenced Documents**

The following other documents are referenced in this document.

### **2.1 Government Documents**

#### **2.1.1 DII COE ELIST Documents**

*Introduction to the Enhanced Logistics Intratheater Support Tool (ELIST) Mission Application and its Segments: Global Data Segment Version 8.1.0.0, Database Instance Segment Version 8.1.0.0, Database Fill Segment Version 8.1.0.0, Database Segment Version 8.1.0.0, Database Utility Segment Version 8.1.0.0, Software Segment Version 8.1.0.0, and Reference Data Segment Version 8.1.0.0 for Solaris 7*, ELIST.8100.Final.SOL7.Intro, Argonne National Laboratory, 26 February 2002

*Software Version Description (SVD) for the Enhanced Logistics Intratheater Support Tool (ELIST) Software Segment Version 8.1.0.0 for Solaris 7*, ELISTExec.8100.Final.SOL7.SVD, Argonne National Laboratory, 26 February 2002

*Installation Procedures (IP) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment Version 8.1.0.0, Database Instance Segment Version 8.1.0.0, Database Fill Segment Version 8.1.0.0, Database Segment Version 8.1.0.0, Database Utility Segment Version 8.1.0.0, Software Segment Version 8.1.0.0, and Reference Data Segment Version 8.1.0.0 for Solaris 7*, ELIST.8100.Final.SOL7.IP, Argonne National Laboratory, 26 February 2002

*System Administrator's Manual (SAM) for the Enhanced Logistics Intratheater Support Tool (ELIST) Database Segment Version 8.1.0.0 for Solaris 7*, ELISTdb.8100.Final.SOL7.SAM, Argonne National Laboratory, 26 February 2002

#### **2.1.2 Other DII COE Documents**

N/A.

#### **2.1.3 Other ELIST Documents**

*ELIST v.8.1: User's Manual*, ANL/DIS/TM-62, Argonne National Laboratory, February 2002

*ETEdit v.1.0: User's Manual*, ANL/DIS/TM-63, Argonne National Laboratory, February 2002

#### **2.1.4 Other Government Documents**

*Classified Matter Protection and Control Manual*, DOE M 471.2-1B, U.S. Department of Energy

### **2.2 Non-Government Documents**

N/A.

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## 3. Software Summary

### 3.1 Software Description

ELIST was developed to help military planners use resources efficiently in different types of operations under various conditions. The system makes it possible to simulate a scenario that involves movement of equipment *via* land, sea, or air or by a combination of the three types of transport.

ELIST answers questions such as the following:

- Will the theater infrastructure support the plan?
- Are the theater assets sufficient to support the given delivery dates (that is, are there enough railcars, aircraft, *etc.*, to deliver the assets on time?)
- Where are the bottlenecks in the theater transportation system?
- What are the effects of exogenous events on the transportation infrastructure? For example, if all of the bridges are impassable, how will the flow of assets be affected and how can the military react?

The executable features of the ELIST Software Segment are launched in the standard way (*i.e.*, double-clicking desktop icons). They naturally fall into two distinct groups, which are covered in the next two subsections.

#### 3.1.1 End-User Features

The segment provides end-user features, called **Run ELIST** and **Run ETEdit**, for performing ELIST simulations and editing ETPFDDs, respectively. These features are accessible by general ELIST users (*i.e.*, users in the `elistusr` group, to whom the Security Administrator has assigned the **General ELIST User** profile).

The capabilities represented by these end-user features are as follows:

- Dynamic map interface
- Create, edit, import, and export commodity and rule sets
- Edit, expand, and create EPTFDD data
- Networks
- Scenarios
- Simulations
- View planned movements and reports (to be added in a future release)

Operating improvements include the following:

- Simulation to the vehicle level
- Cross-platform environment
- Oracle RDBMS

The benefits of using the end-user features of ELIST are as follows:

- Planners can predict the feasibility of transporting sufficient supplies to a specified location in a given amount of time.
- Based on delivery time, ELIST automatically finds the shortest route; a future release will allow users to define routes.

See Section 3.4.1 for further information on the end-user features of the ELIST Software Segment.

### 3.1.2 Administrative Features

The segment also provides administrative features, called **Add Map Data** and **Delete Map Data**, for managing the NIMA map reference data stored in the ELIST Reference Data Segment. These features are only accessible by administrative ELIST users (*i.e.*, users in the `elistadm` group, to whom the Security Administrator has assigned the **Administrative ELIST User** profile).

These features logically belong in the ELIST Reference Data Segment, which, in DII COE terminology, is classed as a data segment. However, data segments cannot have icons or, consequently, executable features (launched in the required way). Thus, these features have been relegated to the ELIST Software Segment.

*Some* map data are required for every ELIST simulation; the required data depend, of course, on the locale of the simulated operations. Thus, an administrative ELIST user is required to perform an essential function before a new general ELIST user can run simulations.

NIMA map reference data can consume hundreds of megabytes. Therefore, careful management of the resources available to the ELIST Reference Data Segment is a significant issue. To make space available for new reference data, it may be necessary to delete reference data that are no longer needed to support ongoing operations. It is for this reason that the authority to delete such data is thus invested in a group of users having administrative responsibilities. Administrative ELIST users can also be general ELIST users.

See Section 3.4.2 for further information on the administrative features of the ELIST Software Segment.

## 3.2 Software Inventory

The ELIST Software Segment is only one segment of the ELIST mission application; all seven segments must be installed to use the ELIST software. Installation of these segments creates all the necessary databases and directory structures to support the operation of the ELIST mission application.

As mentioned in the previous section, however, an administrative ELIST user must add NIMA map reference data necessary to support simulations in a given theater location to the ELIST Reference Data Segment before general ELIST users can perform simulations for that theater.

The icons for adding and deleting map reference data are only visible to administrative ELIST users, and only they can launch the features associated with those icons. This safeguard is intended to ensure that a general ELIST user does not inadvertently delete map reference data still in use by other users. Administrative ELIST users are assumed to be cognizant of the operations being conducted by the general ELIST users at their site.

The icons for performing simulations and editing ETPFDDs are visible to general ELIST users.

The icons of the ELIST mission application are visible only to those users to whom the **General ELIST User** profile or the **Administrative ELIST User** profile has been assigned by the Security Administrator. Furthermore, in a Sun Solaris 7 operating system environment, only those users whom the Security Administrator has placed in the `elistusr` or `elistadm` operating system groups have access to the segments of the ELIST mission application, and to their files and directories. Unauthorized users cannot use ELIST and cannot even discover which theaters are the subject of ongoing operations.

No special software is required to continue or resume operation in case of an emergency.

### 3.3 Software Environment

For information on the hardware and software environment that must be in place to install and use this segment, see the *Installation Procedures (IP) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Software Segment, and Reference Data Segment*.

### 3.4 Software Organization and Operation Overview

#### 3.4.1 End-User Features

ELIST is an important tool for military planners. By using the **Run ETEdit** feature of the ELIST Software Segment, general ELIST users can specify the amount of equipment to be moved, the type of transport to be used, and the time of departure and arrival of equipment at a designated location (*i.e.*, can modify ETPFDDs). By using the **Run ELIST** feature of the segment, these planners can edit asset sets, networks, and scenarios and can simulate the movement of supplies and evaluate the feasibility of their plans.

Several menu options are available through ELIST, and a separate menu is provided for each major category.<sup>4</sup> Because only one area can be edited at a time, ELIST has built-in system checks that support data integrity.

Loading a network or scenario may take a few minutes. Performing a simulation, however, requires significant CPU time. Accuracy and reliability of simulations are discussed in the *ELIST v.8.1: User's Manual* (see Section 2.1.3).

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<sup>4</sup> ETEdit is available not only through the **Run ETEdit** feature but also through a menu item of the **Run ELIST** feature.

The reports and unit viewer speed are directly linked to the speed of the computer and the size of the ETPFDD; generally, however, reports should load in less than thirty seconds. If a power failure occurs while data are being saved, it might be necessary to re-enter some changes; however, all of the data will not be lost.

To launch one of the end-user features, see Section 4.2.1.

### 3.4.2 Administrative Features

The ELIST Reference Data Segment provides a framework (directory structure) for storing NIMA reference map data that is to be used for performing one or more ELIST simulations. As distributed, that segment contains a starter set of WVS data, some part of which is needed for every simulation. At present, the distributed data includes the available WVS maps at resolutions of 1:12,000,000, 1:40,000,000, and 1:120,000,000.<sup>5</sup> The segment, as distributed, does *not* include any NIMA raster product map data, such as ADRG, CADRG, or DTED data, primarily because each CD of such data contains 300 MB to 600 MB of data. There are hundreds of such CDs. Typical sites will be able to store only a few CDs online at any one time, and the locations of interest to military planners cannot be anticipated. Therefore, it is up to an administrative ELIST user at an operational site to determine what NIMA raster product map data CDs to obtain and load into the ELIST Reference Data Segment to support simulations in the locales of interest to the general ELIST users at the site. Administrative ELIST users add such data to the segment using the **Add Map Data** feature, and delete map data that are no longer needed using the **Delete Map Data** feature.

To launch one of the administrative features, see Section 4.2.2.

## 3.5 Modes of Operation

ELIST does not incorporate different modes of operation.

## 3.6 Security and Privacy

ELIST is an unclassified software system; that is, an individual does not require a security clearance to look at or access any part of the ELIST software. Nevertheless, ELIST can be used to perform classified simulations. When used for classified purposes, it is expected that ELIST will be installed on a secure system (one that meets the applicable security requirements for classified uses) and that all the users who have access to the system possess the necessary security clearance.

**WARNING:** “Access to classified matter shall be limited to persons who possess appropriate access authorization and who require such access (need-to-know) in the performance of official duties” (from *Classified Matter Protection and Control Manual*, DOE M 471.2-1B, U.S. Department of Energy). When using ELIST for classified purposes, users must follow the proper procedures for working in a classified facility. Safeguards include, for example, not revealing passwords to anyone and not making copies of the software or printed documents.

<sup>5</sup> The available WVS maps at resolutions of 1:250,000, 1:1,000,000, and 1:3,000,000 are not included, but because these smaller scales may be important in some studies, a future enhancement of the **Add Map Data** feature of the ELIST Software Segment is being considered, which will allow these data sets to be added to the ELIST Reference Data Segment, from the NIMA WVS CD, after the segment's installation.

Notwithstanding the above, standard access controls are in place to restrict access to the segments of the ELIST mission application, and their directories and files, to users who have been given the necessary operating system accounts by the Security Administrator, including membership in the necessary operating system groups and assignment of the necessary profiles. See Section 3.2. Users also must have been given ELIST database user accounts by an administrative ELIST user. Each user is, of course, required to supply his or her own operating system password when logging in to the machine; furthermore, the **Run ELIST** and **Run ETEdit** features prompt the user for his or her database account password.

Restrictions on the releasability of this segment are outlined in the *Software Version Description (SVD) for the Enhanced Logistics Intratheater Support Tool (ELIST) Software Segment*.

<p><b>WARNING:</b> The making of unauthorized copies of this software or associated documentation is prohibited by DISA.</p>
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### **3.7 Assistance and Problem Reporting**

To obtain assistance with the use of this segment (specific to the DII COE environment), or to report problems, follow the instructions in Section 8.

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## 4. Access to the Software

### 4.1 Software Setup

#### 4.1.1 Installation and Configuration

For information on installing the ELIST mission application, consult the *Installation Procedures (IP) for the Enhanced Logistics Intratheater Support Tool (ELIST) Global Data Segment, Database Instance Segment, Database Fill Segment, Database Segment, Software Segment, and Reference Data Segment*. Installation of DII COE segments can only be performed by the System Administrator (`sysadmin` user).

#### 4.1.2 Familiarization

*Instructions for adjusting equipment, the characteristics of the display screens, keyboard layout, and other information will be included in a future version of this document.*

#### 4.1.3 Access Control

To obtain an operating system account, contact your site's Security Administrator (`secman` user). Tell the administrator whether you need to be enrolled as a general ELIST user or an administrative ELIST user. The administrator will enroll you, place you in the appropriate operating system group (`elistusr` for general ELIST users; both `elistusr` and `elistadm` for administrative ELIST users), and assign the appropriate profile (**General ELIST User** or **Administrative ELIST User**) to you. The administrator will choose your initial operating system password and provide it to you. The first time you log in to the machine, you will be required to change your operating system password.

When you are granted access, an administrative ELIST user (perhaps the same person as the Security Administrator) will also give you an ELIST database user account and will provide your database password to you. At present, you cannot change that password yourself, but an administrative ELIST user can change it for you, if required. A future release of the system will allow you to change it yourself.

#### 4.1.4 Customizing ELIST

The first time you use the **Run ELIST** or **Run ETEdit** feature, an `ELISTExec` subdirectory is created under your `data/Prefs` directory, and a text file called `wvsColors.txt` is copied into it. This file contains a default color map for the countries displayed on the initial ELIST world map (see Figure 5). These colors can be altered from within ELIST by selecting **View** → **Map Properties** and then clicking the **Colors** tab; they can also be changed by editing the file with a text editor outside of ELIST.

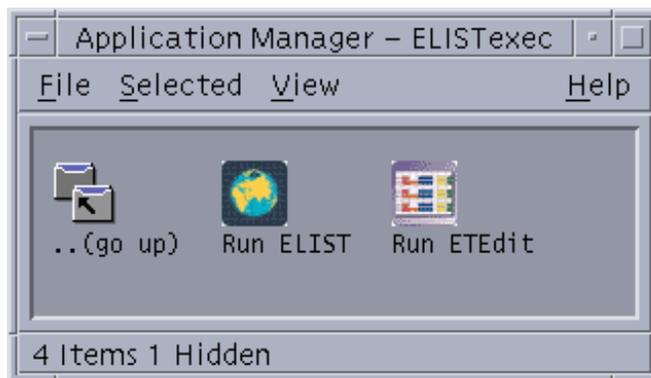
In addition, an `ELIST8_data` subdirectory is created under your `data` directory the first time you use the **Run ELIST** or **Run ETEdit** feature, and five data files are copied into it. (These files support the processing initiated by selecting the **Network** → **Import (Land File)** and **View** → **View TACWAR Units** menu items.) By default, scenarios, networks, ETPFDDs, and rule sets are stored in the `ELIST8_data` subdirectory (as `.dmp` files) when you export them from ELIST, and it is in that directory that ELIST searches for such files when you import them into ELIST.

## 4.2 Initiating a Session

### 4.2.1 End-User Features

To start ELIST to run a simulation, or to start ETEdit to create or edit ETPFDD data or commodity or rule sets, perform the following steps:

- Step 1. On the application client platform on which the ELIST Software Segment is installed, log in as a general ELIST user (*i.e.*, a user in the `elistusr` group to whom the Security Administrator has assigned the **General ELIST User** profile).
- Step 2. Press the right mouse button on the desktop to open the **Workspace Menu**. While continuing to press the right mouse button, select **Workspace Menu** → **Applications** → **Application Manager** to open the Application Manager Window.
- Step 3. In the Application Manager Window, double-click the **DII\_APPS** folder to open the Application Manager - DII\_APPS Window.
- Step 4. If the **ELISTExec** folder is not displayed in the Application Manager - DII\_APPS Window, the current profile is not the right one. Switch to the proper profile by clicking the **Profile Selector** icon  in the CDE panel; double-click **General ELIST User** under **Available Profiles** in the Profile Selector Window, then click **Ok**, and finally click **Done**. When the proper profile is selected, the **ELISTExec** folder is displayed in the Application Manager - DII\_APPS Window.
- Step 5. Double-click the **ELISTExec** folder. The Application Manager - ELISTExec Window opens, displaying the two icons for the end-user features of the ELIST Software Segment as shown in Figure 1.



**Figure 1. Icons for the End-User Features of the ELIST Software Segment**

- Step 6. Double-click the icon for the desired end-user feature (**Run ELIST** or **Run ETEdit**).

A terminal window opens, in which progress messages and error diagnostics are written by the selected feature. This window is read-only from the user's

perspective. It remains open until it is explicitly closed at the end of the session, giving the user a chance to study and/or record any unexpected error diagnostics (see Section 4.3). There is no other purpose for the terminal window.

A moment later, a Password Entry Window similar to that shown in Figure 2 opens. (In this example, the user was logged in as “dritz.”)



**Figure 2. Password Entry Window for Your ELIST Database Account**

- Step 7. In the Password Entry Window, enter the ELIST database user account password that was assigned to you by an administrative ELIST user (see Section 4.1.3), then click **OK**.

**NOTE:** If you launched the **Run ELIST** feature in Step 6, continue with Step 8 in Section 5.3.1; if you launched the **Run ETEdit** feature in Step 6, continue with Step 8 in Section 5.3.2.

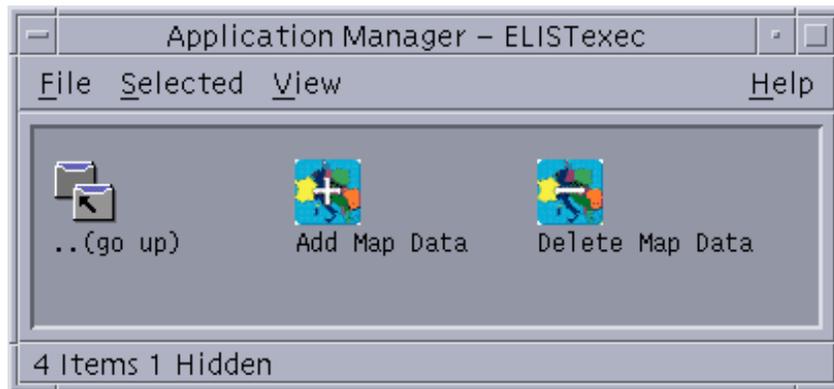
## 4.2.2 Administrative Features

To add NIMA map reference data to the ELIST Reference Data Segment from a NIMA map CD, or to delete such data from that segment if no longer needed, perform the following steps:

- Step 1. On the application client platform on which the ELIST Software Segment was installed, log in as an administrative ELIST user (*i.e.*, a user in the `elistadm` group to whom the Security Administrator has assigned the **Administrative ELIST User** profile).
- Step 2. Press the right mouse button on the desktop to display the **Workspace Menu**. While continuing to press the right mouse button, select **Workspace Menu** → **Applications** → **Application Manager** to open the Application Manager Window.
- Step 3. In the Application Manager Window, double-click the **DII\_APPS** folder to open the Application Manager - DII\_APPS Window.
- Step 4. If the **ELISTexec** folder is not displayed in the Application Manager - DII\_APPS Window, the current profile is not the right one. Switch to the proper profile by clicking the **Profile Selector** icon  in the CDE panel;

double-click **Administrative ELIST User** under **Available Profiles** in the Profile Selector Window, then click **Ok**, and finally click **Done**. When the proper profile is selected, the **ELISTExec** folder is displayed in the Application Manager - DII\_APPS Window.

- Step 5. Double-click the **ELISTExec** folder. The Application Manager - ELISTExec Window opens, displaying the two icons for the administrative features of the ELIST Software Segment as shown in Figure 3.



**Figure 3. Icons for the Administrative Features of the ELIST Software Segment**

- Step 6. Either double-click the **Add Map Data** icon and continue with Step 7 in Section 5.3.3, or double-click the **Delete Map Data** icon and continue with Step 7 in Section 5.3.4.

### 4.3 Stopping and Suspending Work

To terminate ELIST or ETEdit normally, select **Exit** from the **File** menu and confirm your intention to exit by clicking **Yes** in the Question Window that opens (or resume working by clicking **No**); then close the terminal window that opened in Step 6 of Section 4.2.1 by clicking **OK** in the Message Window that opens next. (Click **OK** only after recording any error diagnostics of interest appearing in the terminal window.)

Perhaps as an accident of the implementation, rather than by design, ELIST and ETEdit can also be terminated by typing **Ctrl-C** in the ELIST or ETEdit window, or in the terminal window. Since this method is an abnormal termination that may not perform clean-up actions, it is not recommended unless there is no other way of terminating ELIST or ETEdit.

Once started, the **Add Map Data** and **Delete Map Data** administrative features should be left to terminate by themselves at the end of their processing. Note that they are both rather lengthy processes.

## **5. ELIST Software Segment Processing Guide**

### **5.1 Capabilities**

See Sections 3.4.1 and 3.4.2 for a brief overview of the capabilities of the individual features.

### **5.2 Conventions**

Access to all the features is by means of desktop icons. Sections 4.2.1 and 4.2.2 explain how to launch a particular feature.

All transactions are carried out through a graphical user interface. Information that is required for a feature to perform its processing is requested from the user in an appropriate prompt window, and the user enters the requested information into that window.

Colors and alerts are not used to convey information.

### **5.3 Processing Procedures**

The following subsections give instructions for the use of each feature from the point at which it has been started according to the instructions in Sections 4.2.1 or 4.2.2.

#### **5.3.1 Running ELIST**

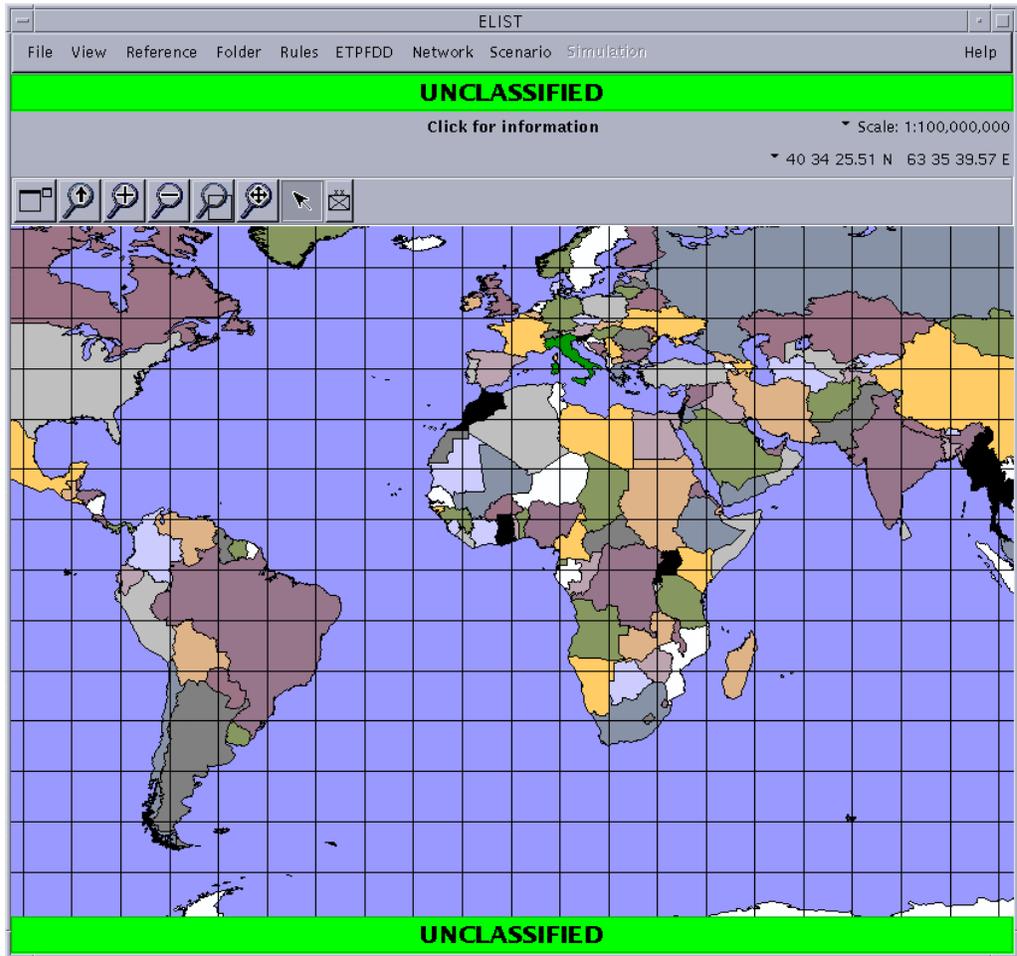
Use the following instructions to continue after you have completed Step 7 in Section 4.2.1.

- Step 8. After a brief delay, the ELIST Window opens, initially displaying the ELIST logo as shown in Figure 4.



**Figure 4. ELIST Logo Displayed in the ELIST Window**

- Step 9. As ELIST continues to load various items from the database (a process that takes about one minute), the cursor is displayed as an hourglass, and ELIST is not receptive to mouse clicks. At the conclusion of the loading process, the ELIST Window displays a world map, as shown in Figure 5.



**Figure 5. World Map Displayed in the ELIST Window**

ELIST is now ready to process user commands, which are entered by selecting from its menus.

For complete instructions on the detailed processing capability of ELIST, consult the *ELIST v.8.1: User's Manual* (see Section 2.1.3).

To exit from ELIST, see the instructions in Section 4.3.

### 5.3.2 Running ETEdit

Use the following instructions to continue after you have completed Step 7 in Section 4.2.1.

- Step 8. After a brief delay, the ETEdit Window opens, initially displaying the ETEdit logo as shown in Figure 6.



**Figure 6. ETEdit Logo Displayed in the ETEdit Window**

ETEdit is now ready to process user commands, which are entered by selecting from its menus.

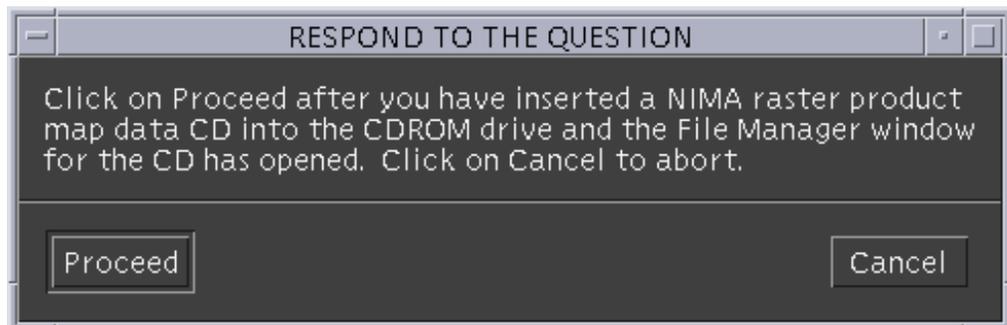
For complete instructions on the detailed processing capability of ETEdit, consult the *ETEdit v.1.0: User's Manual* (see Section 2.1.3).

To exit from ETEdit, see the instructions in Section 4.3.

### 5.3.3 Adding Map Data

Use the following instructions to continue after you have completed Step 6 in Section 4.2.2.

Step 7. A Question Window similar to the one shown in Figure 7 opens.



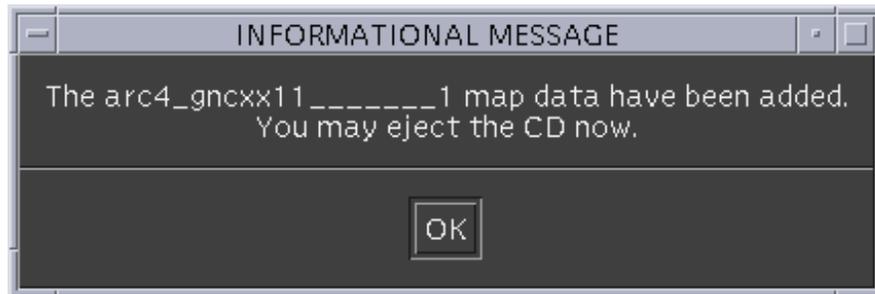
**Figure 7. Question Window for Proceeding after Inserting a Map CD**

Insert a NIMA map reference data CD into the CD-ROM drive, wait (about ten seconds) for the File Manager Window showing the CD to open, and then click **Proceed**. (Or, to stop adding map data, click **Cancel** instead, and dismiss the informational message that appears.)

**NOTE:** The processing procedures are the same regardless of the type of the NIMA data—ADRG, CADRG, or DTED.

- Step 8. If the data on the CD have not already been loaded into the ELIST Reference Data Segment, and if there is enough space on the drive on which that segment is installed, loading of the data begins; otherwise, an error message is displayed in a Message Window, and processing terminates when the window is closed.

It may take an hour or more to copy the data. When the data have been completely copied, a Message Window similar to the one shown in Figure 8 opens. (In this example, the `arc4_gncxx11_____1` data have been loaded.)



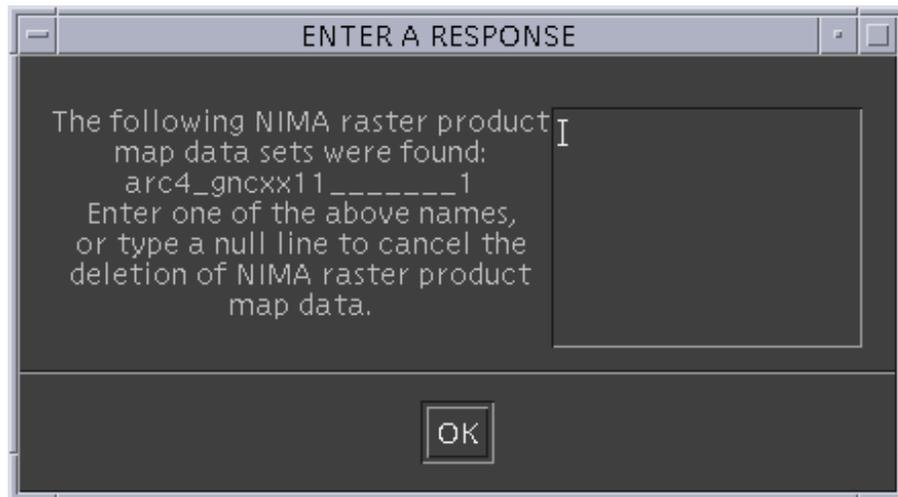
**Figure 8. Message Window Indicating Successful Addition of Map Data**

Click **OK**.

### 5.3.4 Deleting Map Data

Use the following instructions to continue after you have completed Step 6 in Section 4.2.2.

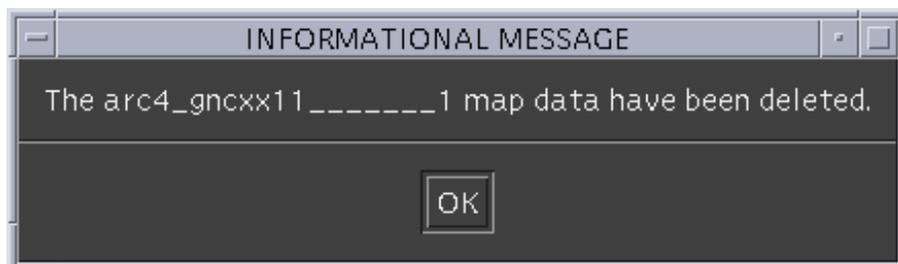
- Step 7. A Text Entry Window similar to the one shown in Figure 9 opens. (In this example, the only map data set found online is named `arc4_gncxx11_____1`. If no NIMA map data sets are online, a different message is displayed.)



**Figure 9. Text Entry Window for Selecting the Map Data to Delete**

Enter the name of one of the data sets in the list and click **OK**. (Or, to stop deleting map data, click **OK** without entering a name and then dismiss the informational message that appears.)

- Step 8. The selected map data are deleted, a process which can vary in duration from seconds to half an hour or more. At its conclusion, a Message Window similar to the one shown in Figure 10 opens. (In this example, the arc4\_gncxx11\_\_\_\_\_1 data have been deleted.)



**Figure 10. Message Window Indicating Successful Deletion of Map Data**

Click **OK**.

## 5.4 Related Processing

N/A.

## 5.5 Data Backup

N/A.

## 5.6 Error Recovery

See the next section.

## 5.7 Messages

If a requested feature cannot be launched, or if a failure is detected during its performance, the nature of the problem is conveyed in a Message Window. The messages are intended to be self-explanatory. (In the case of ELIST and ETEdit, messages may be written only to the terminal window that opened in Step 6 of Section 4.2.1.) Problems that are not understood should be communicated to the developer (see Section 3.7) or *via* the DII COE Hotline (see Section 7).

One failure that can be reported in a message warrants special attention here. If Oracle writes a message to the terminal window to report that the `ELIST_DATA`, `ELIST_INDEX`, `ETPFDD_DATA`, or `ETPFDD_INDEX` tablespace has filled up, then a DBA will have to take steps to recover and allow operation to continue. The appropriate recovery steps are documented in the *System Administrator's Manual (SAM) for the Enhanced Logistics Intratheater Support Tool (ELIST) Database Segment*.

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## 6. Notes

The following acronyms are (or may be) used in this document.

<b>Acronym</b>	<b>Definition</b>
ADRG	ARC Digitized Raster Graphics
CADRG	Compressed ARC Digitized Raster Graphics
CD	Compact Disk
CDE	Common Desktop Environment
CD-ROM	Compact Disk Read-Only Memory
CM	Configuration Management
COE	Common Operating Environment
CPU	Central Processor Unit
DB	Database
DBA	Database Administrator
DII	Defense Information Infrastructure
DII_APPS	DII Applications (desktop folder name)
DISA	Defense Information Systems Agency
DTED	Digital Terrain Elevation Data
ELIST	Enhanced Logistics Intratheater Support Tool (DII COE segment prefix)
ETEdit	ETPFDD Editor
ETPFDD	Enhanced Time-Phased Force Deployment Data
GB	Gigabyte(s)
IP	Installation Procedures
KB	Kilobyte(s)
LAN	Local Area Network
MB	Megabyte(s)
N/A	Not Applicable
NFS	Network File System
NIMA	National Imagery and Mapping Agency
NT	New Technology (an operating system for Microsoft Windows)
PC	Personal Computer
RDBMS	Relational Database Management System
SAM	System Administrator's Manual
SVD	Software Version Description
UM	User's Manual
WVS	World Vector Shoreline

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## **7. Acknowledgements**

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## **8. Documentation Improvement and Feedback**

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