

The ARCS PIN Entry menu should contain existing ship-specific data. If a valid PIN number has already been entered, the message **-OK-** is displayed in the **ENTER PIN** field. Under most circumstances it is unnecessary to re-enter the PIN number.

- b. If necessary, enter the ship's correct PIN number to the **ENTER PIN** field.
- c. Select **CANCEL** to close the ARCS Security window.

After the licensing data is properly installed, the charts can be installed as described in Paragraph 4.7.1

4.7.4.5 Clearing Permits

If there are difficulties in displaying ARCS charts at one or more system workstations, clearing and re-entering the Permits information may solve the problem.

To clear the current permits from the system:

- a. From the ARCS Security window (see Figure 4-20), select the **CLEAR PERMITS** button. A confirmation window is displayed, to verify that permits will be cleared.
- b. From the confirmation window, select the **ACCEPT** button.
- c. Re-enter the permits information, as described above in Paragraphs 4.7.4.2, 4.7.4.3 and 4.7.4.4.

Figure 4-21. ARCS PIN Entry Menu

4.7.5 Installation and Licensing of C-MAP Charts

C-MAP charts are installed using a different procedure from the one that is used for other chart types. With C-MAP charts, the chart database installation and license installation must be carried out separately for each workstation in the system. Once they are properly installed and licensed, C-MAP charts may be selected and used in a similar manner to other chart types.

At each workstation on the system network, a device called an eToken is inserted in the computer's Universal Serial Bus (USB) port to provide security for the C-MAP chart data. In addition, C-MAP license data must be entered at the workstation, to match the security data stored in the eToken. A tag is attached to each eToken, providing the five digit C-MAP User number which identifies the workstation.

NOTE:

When using C-MAP charts, the system will display a warning 61 days prior to the expiration date of any C-MAP license. This warning is reissued at approximately noon

every day until the expiration date. When this warning occurs, contact the chart supplier for a new license. A separate warning is issued when operating with an expired license.

See Appendix D for information on contacting C-MAP Cartographic Service concerning registration, ordering, licensing, and troubleshooting.

4.7.5.1 C-MAP Controls on the Chart Utility Menu

Controls for installing and licensing C-MAP charts are provided on the Chart Utility Menu window (see Figure 4-22).

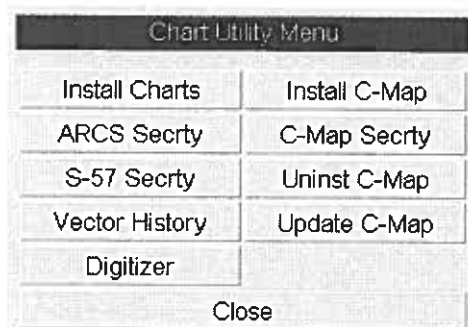


Figure 4-22. Chart Utility Menu

To open the Chart Utility Menu:

From the secondary menu at the bottom of the screen, select the **CHRT TLS** button.

Table 4-6 identifies and describes the C-MAP controls on the Chart Utility Menu.

Table 4-6. C-MAP Controls on the Chart Utility Menu

Control	Description
INSTALL C-MAP	Initiates C-MAP database installation.
C-MAP SECRTY	C-MAP Security. Initiates entry of C-MAP license information.
UNINST C-MAP	Initiates removal of a previously installed C-MAP database.
UPDATE C-MAP	Initiates request for or application of interim updates.

4.7.5.2 Installing C-MAP Charts to the Individual Workstation

The C-MAP chart databases must be installed separately to each workstation. Chart information is installed to the local workstation hard disk from the distribution CD-ROM. After installation, the chart license must be installed to the individual workstation.

NOTE:

C-MAP installation consumes nearly all of the available computing power. Therefore, database installation must NOT be performed while underway.

Before installation, take note of the following points:

- Installation of a C-MAP database replaces any installed database of the same name, regardless of issue number. For instance, installing World DB, issue number 33, will replace the installed World DB, even if its issue number is 40.
- Databases are installed on the local machine only. Installation must be repeated for every computer that should have access to the C-MAP chart.
- For systems that contains multiple VMS/NAVIECDIS workstations, the identical chart databases should be installed on all workstations that will display C-MAP charts.
- At each workstation, the database's license must be applied after the database has been installed.

To install the C-MAP database:

- Insert the C-MAP CD-ROM, containing the C-MAP database to be installed, into a CD-ROM drive on the local workstation.
- From the Chart Utility Menu (see Figure 4-22), select the **INSTALL C-MAP** button to display the Install C-Map window.
- From the Install C-Map window (see Figure 4-23), enter the drive letter of the CD-ROM drive containing the C-MAP disk (typically D or E). Select **ACCEPT**.
- A confirmation message is displayed before the database is installed. Select **YES** in the message window.

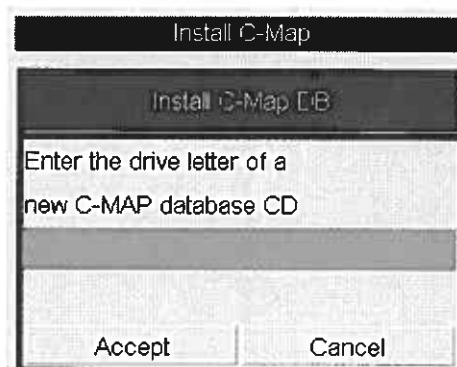


Figure 4-23. Install C-MAP Window

Once the installation process is initiated, the workstation is unavailable for voyage planning or monitoring until the process is completed. No progress indication is shown. Upon completion, a message window is displayed indicating whether the installation was successful.

If a previously installed chart database has been updated by installation of a newer version, the workstation must be restarted to complete the installation.

4.7.5.3 Entering C-MAP License Information

License information is normally entered by allowing the system to read it from a floppy disk. It can also be entered manually.

NOTE:

Each computer licensing C-MAP charts will have a separate license. The procedure for entering license information must be repeated at all computers licensing C-MAP charts.

NOTE:

When a C-MAP license has expired and must be updated, it is necessary to uninstall the C-MAP World database and then reinstall it before entering the updated license. For information on uninstalling the database, see Paragraph 4.7.5.4. For information on installing the database, see Paragraph 4.7.5.2.

4.7.5.3.1 Reading License Information from a Floppy Disk

Reading the license information from a floppy disk is the preferred method of entering C-MAP licenses. The disk may be supplied by C-MAP, or may be created by the operator based on information provided from C-MAP by email.

To read license information from the disk:

- a. From the Chart Utility Menu (see Figure 4-22), select the **C-MAP SECURITY** button to display the C-Map Security window.
- b. From the C-MAP Security window, select **READ LICENSE** to display the Choose C-Map DB menu.
- c. From the Choose C-Map DB menu, select the database to which the license applies (typically, **WORLD**), then select **ACCEPT**.
- d. When prompted, insert the C-MAP floppy disk containing the license, then select **ACCEPT** to display the Choose C-Map License File menu.
- e. From the list of licenses that are available on the floppy disk (see Figure 4-24), select the license file that is identified by a number matching the number on the eToken. This step is necessary, even if only one license appears in the list.
- f. Select the **ACCEPT** button to apply the license data and close the C-MAP Security window.

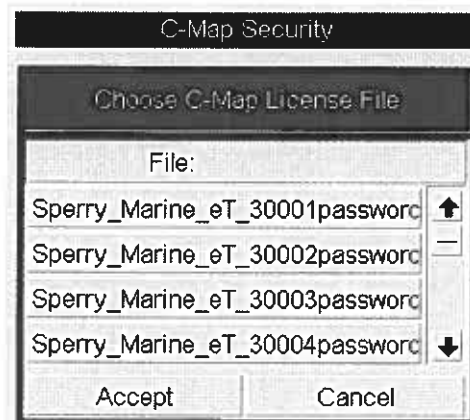


Figure 4-24. Choose C-MAP License File Menu

Upon completion, a message window is displayed indicating whether the process was successful.

To create a license disk using information provided by email:

- a. The email received from C-MAP should include an attached file or files named **PASSWORD#####.txt**, where ##### refers to a five digit C-MAP User number. For each workstation, the User number is indicated on a label affixed to the front of the computer.
- b. Copy the file or files to a blank floppy disk.

4.7.5.3.2 Manual Entry of License Information

The following procedure can be used for manual entry of C-MAP chart licenses. An example of C-MAP license information is provided in Figure 4-25.

C-MAP licenses will normally be read from a file provided by C-MAP. If so, manual entry will not be used. Do not attempt to manually enter license information if either the license code or the collection name is unknown.

To manually enter license information:

- a. From the Chart Utility Menu (see Figure 4-22), select the **C-MAP SECRTY** button to display the C-Map Security window.
- b. From the C-MAP Security window, select **ENTER LICENSE** to display the Choose C-Map DB menu (see Figure 4-24).
- c. From the Choose C-Map DB menu, select the database to which the license applies (normally **WORLD**), then select **ACCEPT** to display the Enter C-MAP License menu (see Figure 4-26).
- d. Expand the drop-down menu at the top of the window, and select the C-MAP name for the licensed collection. Examples of collections name are Zone 0, Zone 1 or Area 2. In the field near the center of the window, enter the 16-character C-MAP license code for the selected database (for example, A2B9FF427509E34B). The database name is case sensitive, so enter all letters exactly as they are provided from C-MAP.
- e. When the license information has been correctly entered, select **ACCEPT**. Upon completion, a message window is displayed indicating whether the process was successful.

```
[Sperry Marine eT 30019]
CD-ROM ID=World.132
Expired=4.2003
Zone 0=A2B9FF427509E34B
```

Figure 4-25. C-MAP License Example

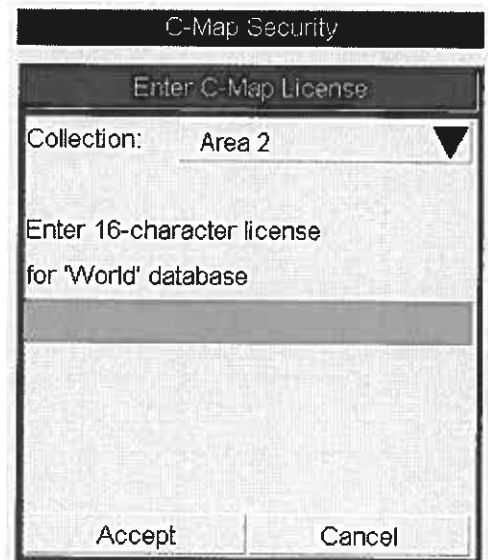


Figure 4-26. Enter C-MAP License Menu

4.7.5.4 Uninstalling a C-MAP Database

The removal process for C-MAP databases must be carried out on each workstation where the database is installed.

To remove an installed C-MAP database:

- a. From the Chart Utility Menu (Figure 4-22), select **UNINST C-MAP** to display the Choose C-Map DB menu (see Figure 4-24).

- b. From the Choose C-Map DB menu, select the database to uninstall (typically, **WORLD**), and then select **ACCEPT**.
- c. A message window is displayed to request confirmation before uninstalling the database. Select **YES** in the message window to complete the removal of the database.

Once the removal process is initiated, the workstation is unavailable for voyage planning or monitoring until the process is completed. No progress indication is shown. Upon completion, a message window is displayed indicating whether the process was successful.

4.7.5.5 C-MAP Updates

C-MAP chart databases are updated quarterly in the form of a replacement CD-ROM containing the latest chart information. In addition, interim updates are available on request, as described below.

NOTE:

After an updated C-MAP chart database has been installed, shut down the VMS/NAVIECDIS at the workstation and restart. Otherwise, the C-MAP charts may not display properly.

4.7.5.5.1 Installing Quarterly Updates

Quarterly updates are installed from the CD-ROM by the same procedure used for installation of new databases. See Paragraph 4.7.5.2 for instructions on performing the installation.

4.7.5.5.2 Interim Updates

Interim updates for C-MAP chart databases are available on request from C-MAP Cartographic Service. These updates are distributed on floppy disks. Update disks include interim updates available for licensed charts found on the specific VMS/NAVIECDIS installation.

NOTE:

If all VMS/NAVIECDIS workstations have licensed the same set of C-MAP charts, then the update request process need only be done on one computer, and the one order request file sent to C-MAP. If different workstations on the system are licensed for different C-MAP charts, repeat this procedure for each computer.

To request interim updates, it is necessary to create an electronic request file specifying which charts are licensed on the specific VMS/NAVIECDIS installation. The file must be sent to C-MAP, either by electronic transfer or by postal delivery on a floppy disk.

To request an interim update:

- a. From the Chart Utility Menu (see Figure 4-22), select **UPDATE C-MAP** to display the C-Map Update window.
- b. From the C-Map Update window, select the **CREATE UPDATE ORDER** button to display the Choose C-Map DB menu (see Figure 4-24).