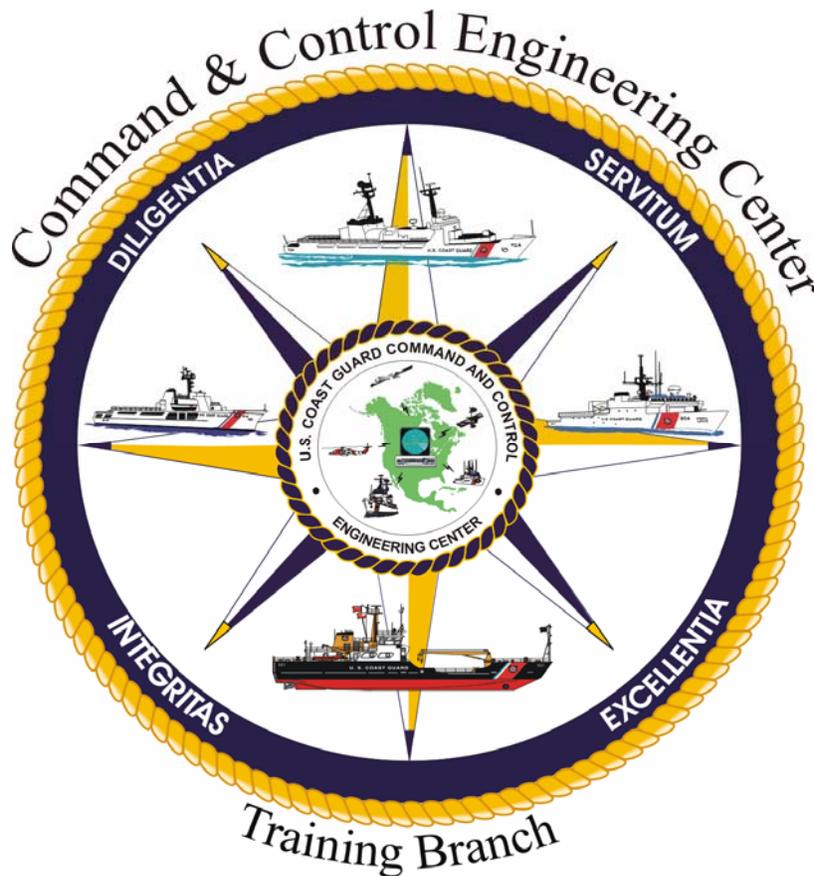


**COMMAND DISPLAY AND CONTROL –
INTEGRATED NAVIGATION SYSTEM
(COMDAC-INS)**

**Loading & Deleting Charts
JOB AID**



Version 1.0

18 November 2008

**Training Branch
United States Coast Guard
Command and Control Engineering Center (C2CEN)
4000 Coast Guard Blvd
Portsmouth, VA**

PREFACE

This document contains the COMDAC-INS Loading & Deleting Charts Job Aid as designed, developed, and approved by the Training Branch of the United States Coast Guard Command and Control Engineering Center, Portsmouth, VA.

NOTE

Before using the COMDAC-INS Loading & Deleting Charts Job Aid, the operator should have a basic understanding of electronic charting operations.

COMDAC-INS Loading & Deleting Charts JOB AID

JOB AID APPROVAL

Reviewed for
Content by
Course Owner

RICHARD MONARREZ

(Printed Name)



(Signature)

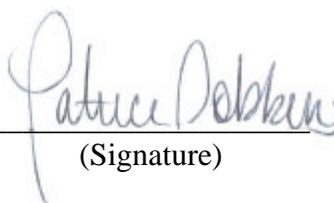
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INTRODUCTION

This job aid provides detailed steps to load and delete charts using the Command Display & Control Integrated Navigation System (COMDAC-INS). It is normally performed by the CO, OIC, Navigator, OOD, JOOD, or other qualified bridge watchstander.

CAUTION

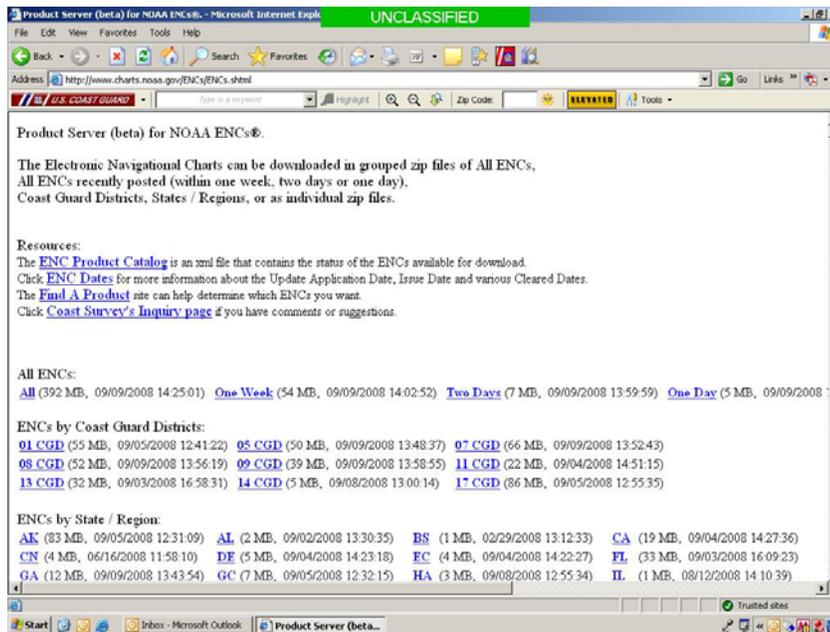
*Ensure SMEF advisory SCCS 08-008 has been implemented prior to loading ENC cells.
Failure to do so may cause the available Contour Line Values to be incorrect.*

DOWNLOAD ENC CHARTS/UPDATES FROM NOAA WEBSITE TO A CD

NOTE

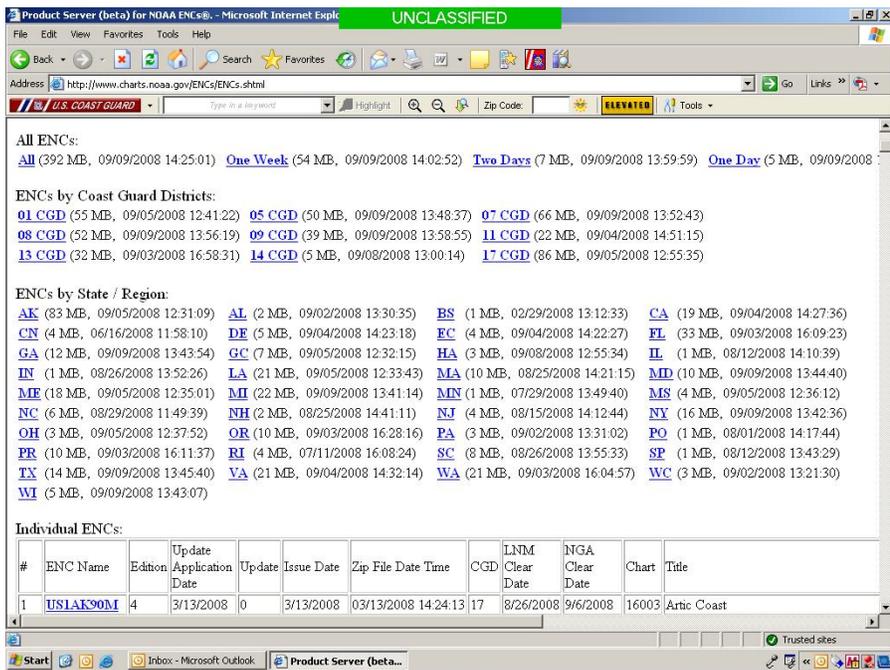
If loading charts from the Monthly Update CD or you already have needed files on CDs, steps 1 through 18 are not required.

1. From a Standard Workstation III (SWIII), open Internet Explorer.
2. Go to: <http://www.charts.noaa.gov/ENCs/ENCs.shtml>.



3. Ensure that a blank CD is in the CD drive, if saving to a CD.

4. Click on a link from the following categories (see note below):
 - a. **All ENC's (NOT recommended, see Caution below)**
 - b. **ENC's by Coast Guard Districts**
 - c. **ENC's by State/Region**
 - d. **Individual ENC's**



NOTE

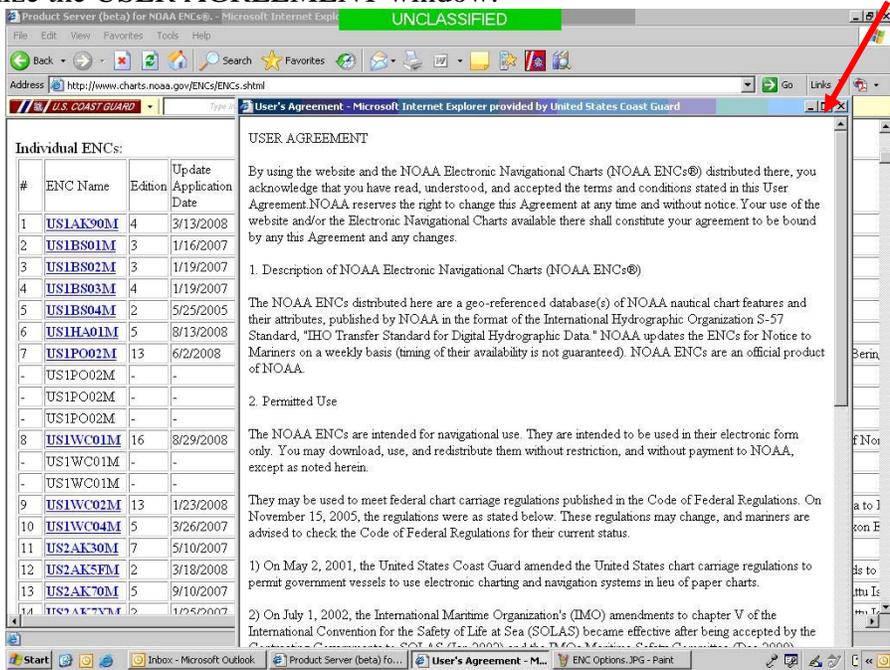
If you download an update that is out of sequence the base chart will NOT display.

CAUTION

C2CEN SMEF advisory # COMDAC-08-009 (DISTRIBUTION OF ELECTRONIC NAVIGATION CHART (ENC) DATA) states the allenc.zip file provided by NOAA for download causes the voyage planning tool in COMDAC-INS V4.7.3.7 to close and corrupts the enc.res file resulting in an inability to load additional ENC chart data. COMDAC-INS V4.7.3.7 equipped cutters are advised not to install the allenc.zip file until further notice.

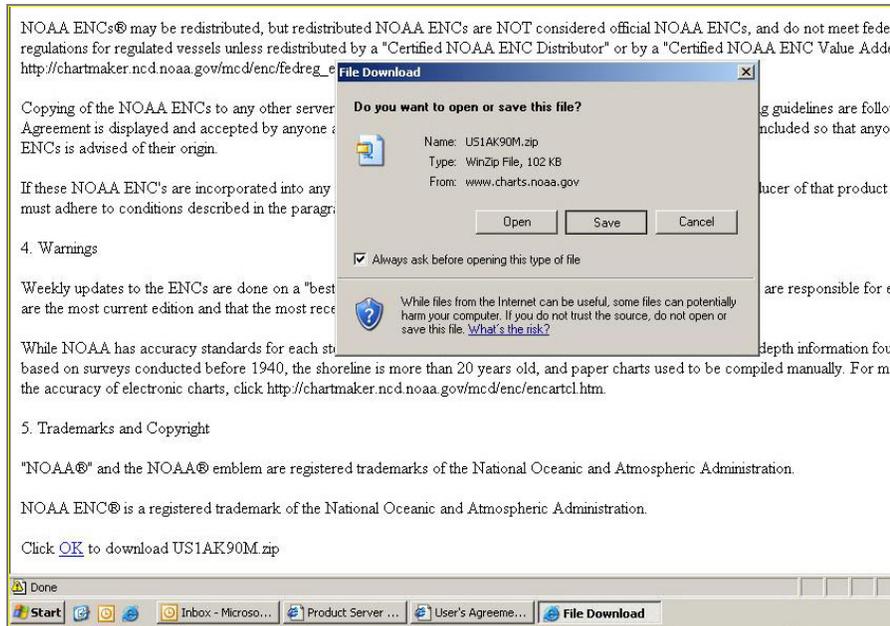
Usable ENC chart data zip files may be downloaded from the NOAA website by coast guard region, district, state or individual files.

Maximize the USER AGREEMENT window.

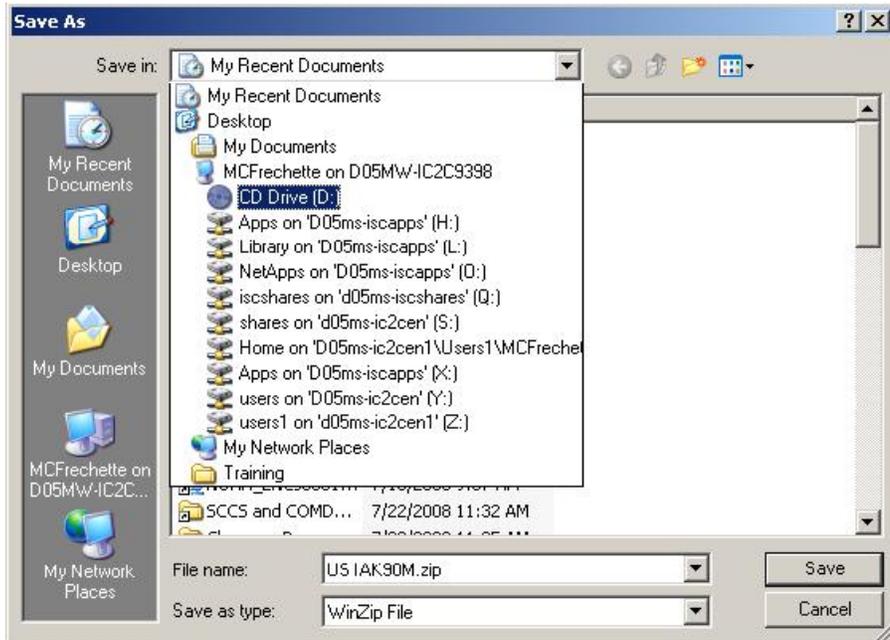


5. Read the USER AGREEMENT and click **OK** at the bottom of the window.

6. Click the **Save** button.



- From the *Save in* dropdown menu, select the desired location to save the file (i.e. CD Drive (D:)).



- Click **Save**.

NOTE

*The Download **may** take several minutes if grouped charts were selected.*

- Click **Close** when the download is complete (if necessary).



- Close the USER AGREEMENT window.

- Repeat steps 4 thru 11 as necessary.

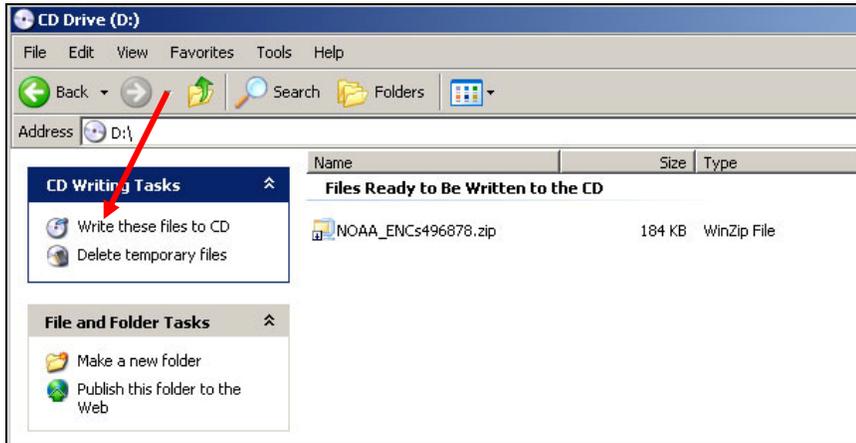
- Exit Internet Explorer.

NOTE

Steps 14 thru 18 are necessary ONLY if you saved zip files directly to a CD.

13. Access the CD drive on the SWIII.

14. Select **Write these files to CD.**



15. Change the CD name if desired, Click **Next**.



16. Click **Finish** after the files are written to the CD.



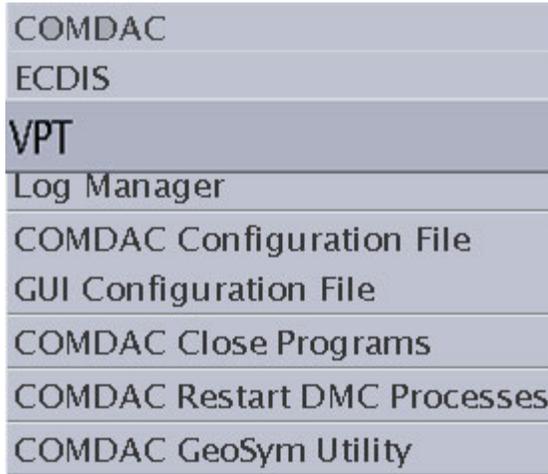
17. Remove CD from SWIII.

DELETE CHARTS

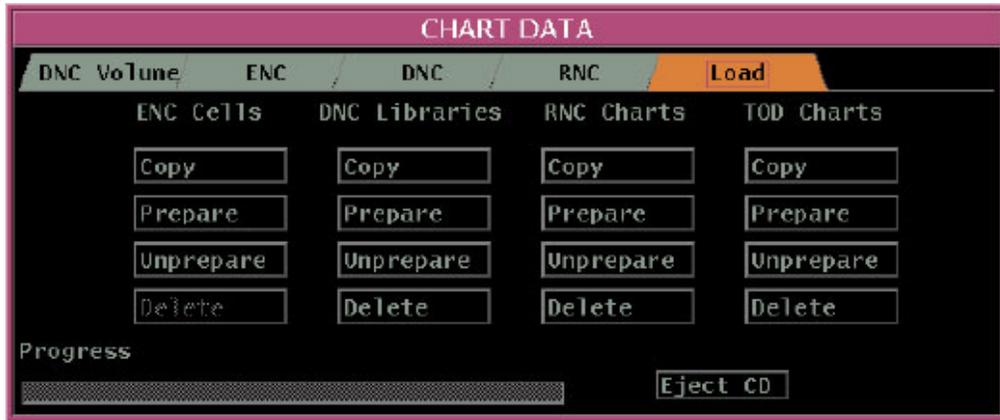
1. Left Click and hold the **Navigation** tab.



2. Select **VPT** (Voyage Planning Tool).



3. In the Chart Data window, Left click the **Load** tab.



NOTE

Unpreparing ENC Cells are not necessary if Updating Cells. Updating an ENC Cell will automatically write over old file. To delete specified ENC Cells follow steps 4 thru 7.

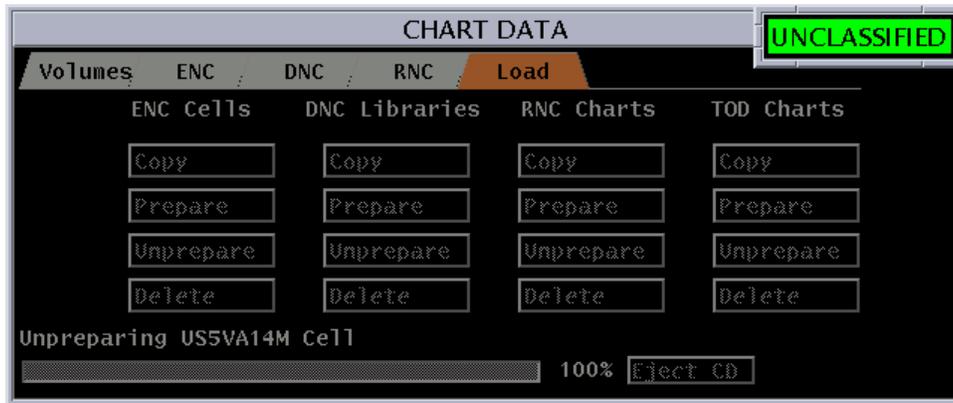
DNC and RNC Charts have to be deleted prior to updating. Follow steps 8 & 9 to delete.

Unprepare ENC Cells

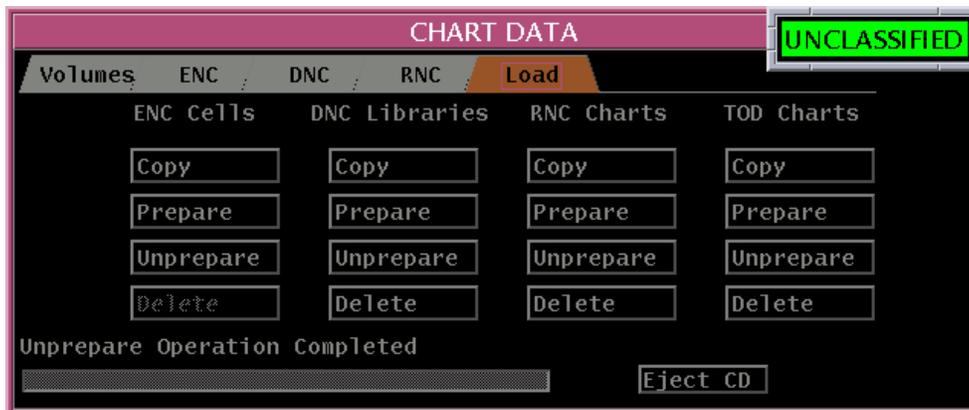
NOTE

Steps 4 thru 7 are required for ENC Cells ONLY. When an ENC Cell is unprepared, it is simultaneously “deleted.” Deleting DNC and RNC Regions is covered in steps 8 and 9.

4. Left click **Unprepare** under the appropriate label.
5. Select a cell from the list to be unprepared.
6. Click **OK**. The statement, “Unpreparing (chart#) Cell” will appear at the bottom of the Chart Data window.



7. The statement, “Unprepare Operation Completed” will appear at the bottom of the Chart Data window when the chart is unprepared.

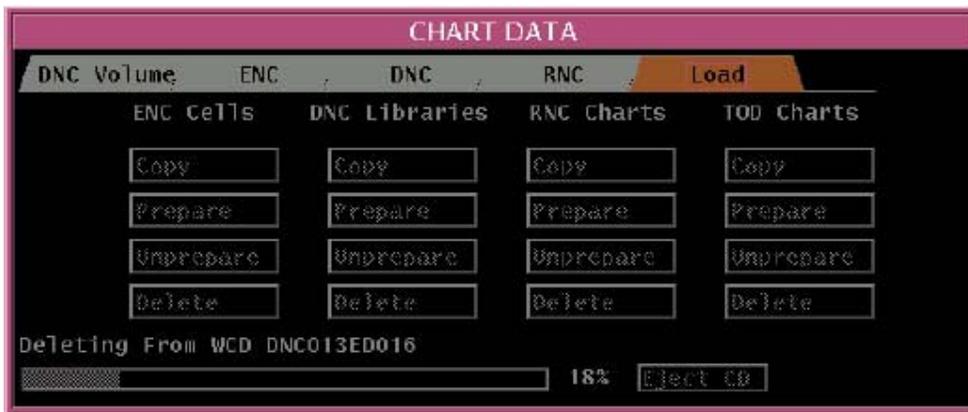


Delete DNC and RNC Regions

NOTE

Prior to deleting charts you should verify no charts of that library are being displayed at any local or remote station. Sometimes the system hangs up on the delete process around 96-99%. If this should occur reboot the machine then re-launch VPT and select Delete again, which should complete the process and allow you to load the next chart.

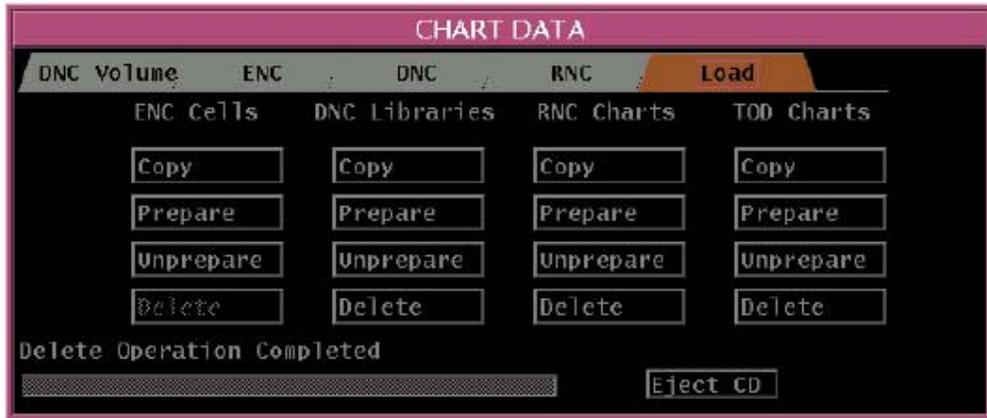
8. Click **Delete** under the DNC Libraries or RNC Charts header in the Chart Data window. The statement, "Deleting From (Volume/Region#)" will appear at the bottom of the Chart Data window.



NOTE

The Delete option is not available for ENC Cells. ENC's are only Unprepared (see steps 4 thru 7).

9. The Chart Data window will notify you when the delete operation is complete.



NOTE

You can verify cells, libraries, and charts were deleted by selecting one of the following TABs within the CHART DATA window(DNC Volume; ENC; DNC; or RNC) and ensuring files are NOT present.

10. Exit VPT.

LOAD CHARTS FROM CD

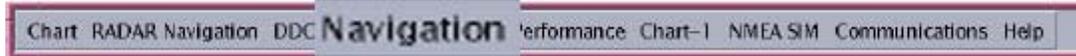
NOTE

DNC and RNC Charts have to be deleted prior to updating. Follow steps 8 & 9 in Deleting Charts prior to loading DNC or RNC Charts.

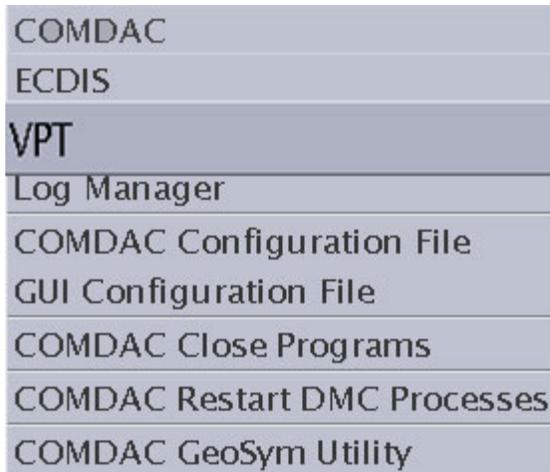
CAUTION

*Ensure SMEF advisory SCCS 08-008 has been implemented prior to loading ENC cells.
Failure to do so may cause the available Contour Line Values to be incorrect.*

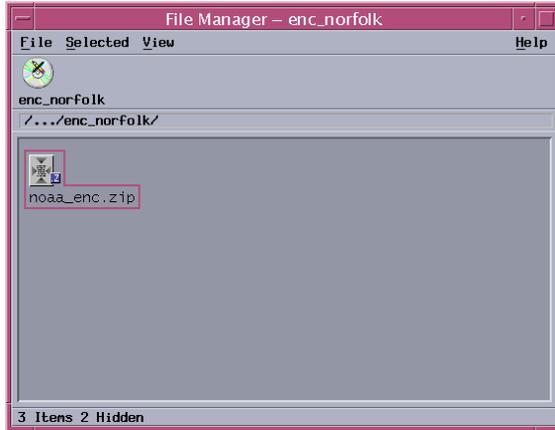
1. Left Click and hold the **Navigation** pull-down menu on the System Menu Bar.



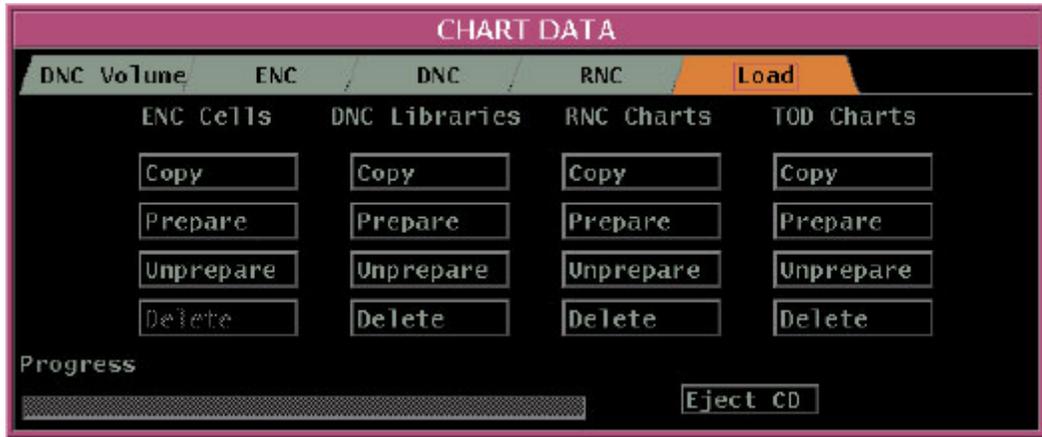
2. Select **VPT** (Voyage Planning Tool) option.



3. Insert the Monthly Update CD or the downloaded, ENC zip file CD into the CD-ROM or DVD drive (wait for the File Manager window to appear).

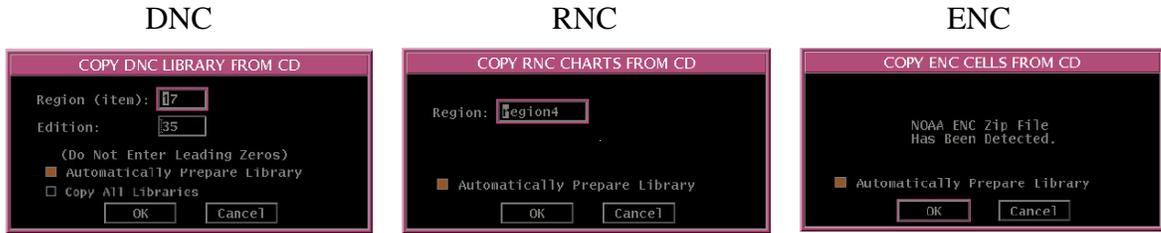


4. Left click the **Load** tab on the Chart Data window.



5. Left click the **Copy** button under the appropriate label.

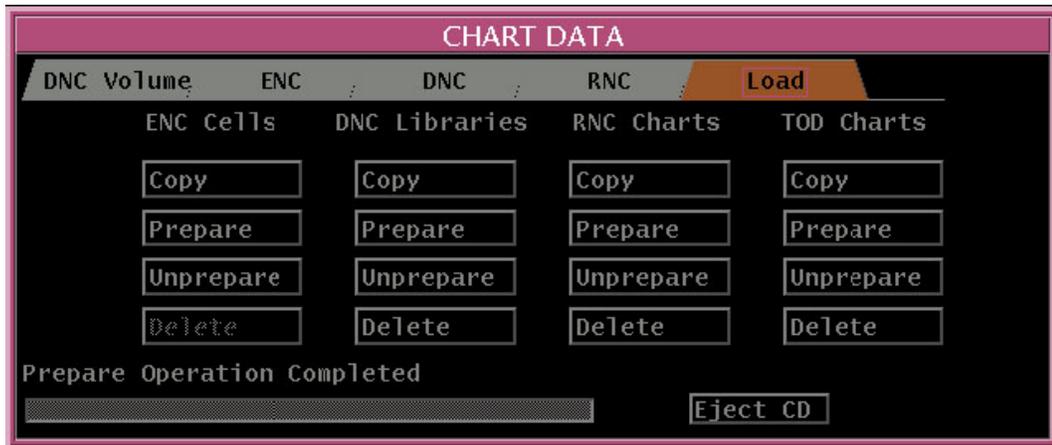
DNC or RNC		ENC
Region/Edition Auto-filled?	YES	Go to step 6
	NO	
	Go to step 6	
	a. Enter the appropriate Region/Edition	
	b. Go to step 6	



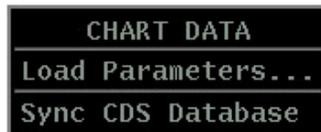
NOTE

Ensure the Automatically Prepare Chart radio button is set or refer to the prepare procedures in the COMDAC-INS SUM to prepare charts after they are copied.

6. Select **OK**. The statement, “Prepare Operation Completed” will appear at the bottom of the Chart Data window when the chart is prepared.



7. Right click and hold any blank space in the Chart Data window.
8. Select **Sync CDS Database** to synchronize the DNC libraries, ENC cells and RNC chart data on the hard drive.



9. Eject CD and exit VPT.

NOTE

You can verify loaded cells, libraries, and charts, by selecting one of the following TABs within the CHART DATA window (DNC Volume; ENC; DNC; or RNC) and ensure files are present.

TERMS / ABBREVIATIONS / ACRONYMS

COMDAC-INS	Command Display and Control – Integrated Navigation System
CO	Commanding Officer
DNC	Digital Nautical Chart
ENC	Electronic Navigation Chart
Ft	Feet (unit of measurement)
JOOD	Junior Officer of the Deck
NOAA	National Oceanic and Atmospheric Administration
OIC	Officer In Charge
OOD	Officer of the Deck
RNC	Raster Nautical Chart
SMEF	System Management & Engineering Facility
SWIII	Standard Workstation III
VPT	Voyage Planning Tool