# Electronic Precise Integrated Navigation System (ECPINS) DOWNLOAD/INSTALL/UPDATE CHARTS JOB AID



# Version 1.0 12 December 2008

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

## PREFACE

This document contains the Electronic Chart Precise Integrated Navigation System (ECPINS), Versions 5.0.4 and 5.1.0.6, Chart Download / Install/ Update Job Aid as designed, developed, and approved by the Systems Training Branch of the United States Coast Guard Command and Control Engineering Center, Portsmouth, VA.

# ECPINS DOWNLOAD / INSTALL / UPDATE CHARTS JOB AID

## JOB AID APPROVAL

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## **INTRODUCTION**

This job aid provides detailed steps to download, install, and update Electronic Nautical Charts(ENCs), Raster Nautical Charts (RNCs), and Digital Nautical Chart s(DNCs) using the Electronic Chart Precise Integrated Navigation System (ECPINS). It is normally performed by the CO, OIC, Navigator, OOD, JOOD, or other qualified bridge watchstanders.

### DOWNLOAD CHARTS FROM THE INTERNET

### PROCEDURES TO DOWNLOAD ENC AND RNC CHARTS FROM NOAA WEBSITE

NOTE:

Updates to both ENC and RNC (BSB) charts are available at the following web addresses: http://www.charts.noaa.gov/ENCs/ENCs.shtml http://www.charts.noaa.gov/RNCs/RNCs.shtml

The procedures for downloading ENC and BSB charts are the same except where noted. ENC procedures are shown.

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



- 3. Click on a link from the following categories:
  - a. All ENCs
  - b. ENCs by Coast Guard Districts
  - c. ENCs by State/Region
  - d. Individual ENCs

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¥	ENC Name	Edition	Update Application Date	By using the website and the NOAA Electronic Navigational Charts (NOAA ENCs®) distributed there, you acknowledge that you have read, understood, and accepted the terms and conditions stated in this User Agreement NOAA reserves the right to change this Agreement at any time and without notice. Your use of the
1	US1AK90M	4	3/13/2008	website and/or the Electronic Navigational Charts available there shall constitute your agreement to be bound
2	US1BS01M	3	1/16/2007	by any this Agreement and any changes.
3	US1BS02M	3	1/19/2007	1. Description of NOAA Electronic Navigational Charts (NOAA ENCs®)
4	US1BS03M	4	1/19/2007	
5	US1BS04M	2	5/25/2005	The NOAA ENCs distributed here are a geo-referenced database(s) of NOAA nautical chart features and their attributed, subliched by NOAA in the format of the International Hudrographic Organization S, 57
5	US1HA01M	5	8/13/2008	Standard, "IHO Transfer Standard for Digital Hydrographic Data." NOAA updates the ENCs for Notice to
7	US1PO02M	13	6/2/2008	Mariners on a weekly basis (timing of their availability is not guaranteed). NOAA ENCs are an official product
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)	US1WC02M	13	1/23/2008	They may be used to meet federal chart carriage regulations published in the Code of Federal Regulations. On
10	US1WC04M	5	3/26/2007	advised to check the Code of Federal Regulations for their current status
11	US2AK30M	7	5/10/2007	
12	US2AK5FM	2	3/18/2008	1) On May 2, 2001, the United States Coast Guard amended the United States chart carriage regulations to
13	US2AK70M	5	9/10/2007	permit government vessels to use electronic charting and navigation systems in lieu of paper charts.
1/1	TISPAK TYM	2	1/25/2007	2) On July 1, 2002, the International Maritime Organization's (IMO) amendments to chapter V of the

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

### 6. Click the **Save** button.

NOAA ENCs® may be redistributed, but redistrib regulations for regulated vessels unless redistributed http://chartmaker.ncd.noaa.gov/mcd/enc/fedreg_e	uted NOAA ENCs are NOT considered official NOAA ENCs, I by a "Certified NOAA ENC Distributor" or by a "Certified NO ile Download	and do not meet federa AA ENC Value Addec I
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4. Warnings	Always ask before opening this type of file	
Weekly updates to the ENCs are done on a "best are the most current edition and that the most rece	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. <u>What's the risk?</u>	are responsible for en
While NOAA has accuracy standards for each stu- based on surveys conducted before 1940, the shor the accuracy of electronic charts, click http://chartm	eline is more than 20 years old, and paper charts used to be com laker.ncd.noaa.gov/mcd/enc/encartcl.htm	_lepth information foun piled manually. For mor
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7. From the *Save as* dropdown menu, select the desired location to save the file (i.e. My Documents).

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8. Click Save.

### NOTE:

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

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

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	Open	Open Folder	Close

- 10. Close the USER AGREEMENT window.
- 11. Repeat steps 3 thru 10 as necessary.

*NOTE:* When downloading multiple chart types, it is recommended that you complete all downloads prior to burning to CD.

- 12. Exit Internet Explorer.
- 13. Access the folder where you saved the downloaded chart(s) and unzip the files.
- 14. Ensure that a blank CD is in the CD drive.
- 15. Transfer the unzipped files to a CD. Insert this CD into the ECPINS station that you are applying the correction to.

### NOTE:

Updates must be installed on the system where the chart folder resides (i.e. Route Monitoring, Route Planning, and Backup)

### PROCEDURES TO DOWNLOAD DNC CHARTS FROM NGA WEBSITE

DNC updates are available through the National Geospatial-Intelligence Agency (NGA) website as update files to the current edition of DNC CDs that have already been loaded onto your system.

To download DNC corrections from the Internet, the following steps should be accomplished.

- 1. Log on to the Internet at a Standard Workstation that has CD burning capabilities.
- 2. Open web page www.nga.mil/portal/site/dnc.



(Example NGA web page)

3. Select the region that you wish to correct from the "region drop-down menu." The web page will change and display the area chosen, along with the edition number, and the Notice to Mariners (NTM).

#### National Geospatial-Intelligence Agency - Microsoft Internet Explorer provided by USCG File Edit View Favorites Tools Help 🤇 Back 🔻 🔻 🗶 🛃 💭 Search 🛛 😽 Favorites 📢 Media 🥝 W Address 慮 http://www.nga.mil/portal/site/dnc/?epi\_menuItemID=f9e7f9a63301e47191f3fc553227a759&epi\_menuID=8a6f9e48b94 NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY DNC Home Maritime Contact DNC FAQ Region DNCDX013 - North America West - to NtM 45/04 -CD DNCDX013 - North America West Disclaimers region If the CD Approved For Federal Vessels Only Current on Edition 16 DNC Advisory edition **Certified** Libraries edition low To. number DNCDX013 VDU Disclaimer Chart to Library Reference installed on **Download Files** Warning for Civil Vessels Apply a VDU Patch ECPINS is not current. VDU Patch Software Edition Patches use this to Windows 45.00 N Windows NT 95 98 2000 About (20.09 MB) update M 00.99 Sun Solaris 2.6 Unix/Solaris About HP-UX 10.20 (18.98 MB) Tips for downloading Coverage Library Catalog Coverage Group groups 177.00 E Browse available General 0.00 Harbor for Approach selection Coastal All Totals Libraries:105 Charts:195

ECPINS DOWNLOAD/INSTALL/UPDATE CHARTS JOB AID

Example NGA DNCDX013 - North America West web site

4. Compare the region edition number against the edition you have installed on ECPINS. If the edition number you currently have installed on ECPINS is older than the version listed on the web page, select the "WINDOWS" edition patch on the web page. This will update the chart installed on ECPINS to the current edition.

**WARNING**: If you use the <u>edition patch</u>, you will not be able to apply future corrections via the web to that CD region. When the new edition CD arrives, you will need to uninstall the DNC charts for that region and reinstall them from the CD, then complete the correction process using the library catalog.

5. From the Library catalog, select the appropriate coverage group. Usually, you will need to apply corrections for each coverage group, with each coverage group comprising a separate update process.

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	The VDU	J patches below will update certif	ied libraries	on Edition 16	to NtM 45/04	E.	
How To Download Files Apply a VDU Patch	*To do Target 4	wnload individual libraries or pate s' (for IE) or 'Save Link As' (for M	ches, right-c Vetscape). T	lick on the link o download mi	and choose 'S ultiple files at c	Save once,	
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VDU Patch Software <u>Windows</u> NT19519812000 <u>Sun Solaris 2.6</u> <u>HP-UX 10.20</u>	Number GEN13A	Name West Coast of United States-Hawaiian Islands, United States (w/ update layer)	Download full library check all <u>Edition</u> (4 MB)	Download VDU Patch (Windows) I✓ check all (663 KB)	Download VDU Patch (Unix) check all	Craphic	
VDU Patch Software <u>Windows</u> NT19519812000 <u>Sun Solaris 2.6</u> <u>HP-UX 10.20</u>	Number GEN13A GEN13B	Name West Coast of United States-Hawaiian Islands, United States (w/ update layer) West Coast of Mexico-Hawaiian Islands, United States	Download full library check all <u>Edition</u> <u>16</u> (4 MB) n/a	Download VDU Patch (Windows) ✓ check all ✓ <u>Windows</u> (663 KB) ✓ <u>Windows</u> (10 KB)	Download VDU Patch (Unix) check all (600 KB) (10 KB)	Graphic n/a n/a	
VDU Patch Software <u>Windows</u> NT19519812000 <u>Sun Solaris 2.6</u> <u>HP-UX 10.20</u>	GEN13A GEN13C	Name Name West Coast of United States-Hawaiian Islands, United States (w/ update layer) West Coast of Mexico-Hawaiian Islands, United States Pacific Ocean - Hawaiian Islands (w/ update layer)	Download full library check all check all check all check all r/a r/a <u>Edition</u> <u>Edition</u> (4 MB)	Download VDU Patch (Windows) C check all C disc KB Windows (10 KB) Windows (615 KB)	Download VDU Patch (Unix) Check all (600 KB) C Unix (10 KB) C (589 KB)	Graphic n/a n/a n/a	

After you select the coverage group, the web page will look like this:

Example NGA: General Libraries web page

6. Select the "Check All" box under the DOWNLOAD VDU PATCH (WINDOWS) category, then select the "Download" button at the bottom of the page. The web page will change to the example shown on the next page.

🖉 National Geosp	atial-Intellige	ence Agency - Microsoft Internet Explorer provid	led by USCG	
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(Example NGA General Libraries web page)

7. Select the compressed file link to begin the download process.

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(Example File Download dialog box)

8. When the File Download dialog box appears, select the "Save" button.



(Example Save As dialog box)

9. From the *Save as* dropdown menu, select the desired location to save the file (i.e. My Documents). Then select the "Save" button.

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Close this dia	log box when dowr	nload completes	
	Open	Open Folder	Cancel

(Example file downloading dialog box)

- 10. A message will be displayed indicating that the file is downloading.
- 11. Repeat this process for each coverage group for the chosen region.
- 12. After completing the download process for the coverage group(s), use the WINZIP feature to uncompress the downloaded files. After you uncompress the file a new folder is created.
- 13. Copy the uncompressed folder(s) to a CD.

## CHART INSTALL/UPDATE

### PROCEDURES TO INSTALL/UPDATE ENC CHARTS FROM NOAA

### NOTE:

There are two options to install/update charts. The first option is to install Chart corrections which require a full file replacement. The procedures for the second option are similar to corrections from NOAA's website but use the update menu instead of the install menu.

### To install corrections requiring a full file replacement:

- 1. Start ECPINS at the station you wish to apply the corrections.
- 2. Insert CD into the CD Rom Drive of the ECPINS station that you are applying the update to.
- 3. Activate the Main Menu by pressing the center button. Select Chart Selection>Chart Install>Install Charts.

Select S57 as type.	Install Charts Type of Charts: \$57 Charts:	Select Target
Select ENC_ROOT as the source folder	D:\ENC_ROOT     Up       []     Select Charts	rolder
Select Search for Charts	Search for Charts Select Wisible Select Will Install Guarts Exit	

### (Example ECPINS Install Charts dialog box)

- 4. Select "S57" as type of charts.
- 5. Use the drop-down menu to select the Target Folder where the ENCs are located.
- 6. Under Select Source Folder, click on CD Rom Drive Letter.

- 7. Under Select Source Folder, select "[ENC\_ROOT]."
- 8. Select "Search for Charts."

Install Charts	
Type of Charts: St7	Select Target Folder
Select Source Folder	enc test Create New
D:\ENC_ROOT	Select Charts
[] [-c-] [-d-]	US5UA19M.808 - NOAA 12254 - Chesapeake Bay Cape Henry To US5UA21M.000 - NOAA 12231 - Tangier Sound - Northern Par US5UA24M.000 - NOAA 12238A - Potomac River-Chesapeake Ba US5UA24M.000 - NOAA 12238A - Chesapeake Bay Mobjack Bay US5UA25M.000 - NOAA 12238B - Chesapeake Bay Mobjack Bay US5UA26M.000 - NOAA 12238B - Chesapeake Bay Mobjack Bay US5UA26M.000 - NOAA 12238B - Potomac River-Chesapeake Ba US5UA27M.000 - NOAA 12238 - Potomac River-Chesapeake Ba US5UA32M.000 - NOAA 12235 - Rappahannock Rur Ent Piankat US5UA41M.000 - NOAA 12251 - James River Jamestown Island Salact Wichblo
Search For Charts	Select Visible Select All
	Install Charts Exit

(Example ECPINS Install Charts dialog box)

Once the search is complete, a list of available charts will appear on the right side of the dialog box.

9. Click the "Select All" button then select "Install Charts."

Installing Charts
Installing Charts. (2 of 29) (-)
Cancel

(Example ECPINS Installing Charts dialog box appears)

- 10. When the charts are installed and the "Chart Installation Completed" dialog box appears, select the "OK" button.
- 11. Remove the CD from the CD drive.
- 12. Select the "Exit" button.
- 13. Complete the process for each ECPINS station that needs the corrections.

### To install ENC corrections using the update menu:

- 1. Start ECPINS at the station you wish to apply the corrections.
- 2. Insert this CD into the ECPINS station that you are applying the correction to.
- 3. Activate the Main Menu by pressing the center button. Select Chart Corrections>Update Charts.

Select Chart Type to Update	
ARCS/Seafarer BSB DNC S57	
Select Exit	

(Example Select Chart Type to Update dialog box)

4. When the Select Chart Type to Update dialog box appears, highlight one of the following from below and click the "Select" button.

<b>IF OPERTING SYSTEM IS:</b>	SELECT THE FOLLOWING:
ECPINS 5.0.4	S57
ECPINS 5.1.0.6	S57/AML

Update S57 Charts.	
Insert S57 Update disk	ette or CD.
< LEFT button	Press:
to Start	RIGHT button >
Updating Charts	to Exit

(Example Update S57 Charts dialog box)

5. When the Update S57 Charts dialog box appears select the "Left button" to begin updating the charts.



(Example Searching CD-ROM drive for S57 Updates dialog box)

ECPINS will begin searching the CD for S57 updates.



(Example Searching ECPINS hard drive for S57 Charts dialog box)

Once ECPINS has located the charts on the CD, it will begin searching for charts on the hard drive to update.



(Example Generating new SENC for updated Chart dialog box)

Once the charts requiring updates are located, ECPINS will begin to update the charts on the hard drive.

Updating Session Summary Report
<pre>Producer: DCS, Office of Coast Survey, USA (US). US3Ch14W - Ed:2 (2004 JUL 14) - REPLACED with Ed:3 (2005 MAR 09) Update:000. US5Uh14W - Ed:2 (2005 APR 14) - UPDATED to Update:001 (2005 APR 14) Update:000. US5Uh14W - Ed:2 (2005 APR 14) - UPDATED to Update:001 (2005 MAY 18) US5Uh15W - Ed:2 (2005 APR 28) - UPDATED to Update:001 (2005 MAY 18) US5Uh15W - Ed:2 (2005 APR 28) - UPDATED to Update:001 (2005 MAY 18) US5Uh15W - Ed:2 (2003 DEC 18) - REPLACED with Ed:3 (2005 MAY 18) US5Uh16W - Ed:1 (2004 FEB 04) - REPLACED with Ed:3 (2005 MAY 13) Update:000. US5Uh16W - Ed:1 (2003 NDU 13) - REPLACED with Ed:2 (2005 MAY 13) Update:000. US5Uh16W - Ed:1 (2003 NDU 13) - REPLACED with Ed:2 (2005 MAY 13) Update:000. US5Uh19W - Ed:1 (2003 NDU 25) - REPLACED with Ed:2 (2005 FEB 15) Update:000. US5Uh19W - Ed:1 (2005 FEB 15) - UPDATED to Update:001 (2005 APR 14) US5Uh21W - Ed:1 (2005 FEB 15) - UPDATED to Update:002 (2005 FEB 22). US5Uh21W - Ed:1 (2005 FEB 12) - UPDATED to Update:023 (2005 MAR 23) US5Uh21W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh21W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh22W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh22W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh22W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh22W - Ed:1 (2005 JAN 19) - UPDATED to Update:018 (2005 MAR 23) US5Uh22W - WARNING: Failed to generate SENC. Charts replaced with New Editions: 7 Charts replaced with Re-issued charts: 2 Total number of Updates found on CD-ROM: 9 Total number of Updates installed: 9</pre>
OK

(Example Updating Session Summary Report dialog box)

After all of the charts have been updated, ECPINS will display a report of the action taken for each chart.

- 6. Review the summary report to ensure that all corrections have been completed.
- 7. Select "OK."

An "Updating Chart Index / Please Wait" dialog box will appear. Once this dialog box disappears, the chart update is complete.

- 8. Repeat this process for each region that needs to be updated.
- 9. Select the "Exit" button.
- 10. Remove the CD from the CD drive.

### PROCEDURES TO INSTALL RNC CHARTS FROM NOAA

- 1. Start ECPINS at the station you wish to apply corrections.
- 2. Insert CD into the CD Rom Drive of the ECPINS station that you are applying the update to.
- 3. Activate the Main Menu by pressing the center button. Select Chart Selection>Chart Install>Install Charts.

	Install Charts	
Select BSB as type.	Type of Charts: BSB TCn r 40 Create New	
Select "BSB_ROOT" as the source folder	Select Source Folder       Image: Select Charts         D:\BSBCHART       Up         Select Charts       Image: Select Charts         [-a]       NOAA 81076 - SAIPAN HARBOR         [-c]       NOAA 81086 - DTM-PLANS IN THE MARIANA ISLANDS A         NOAA 81092 - PAGAN ISLAND         NOAA 81664 - WAKE ISLAND         NOAA 83153 - KINGMAN REEF         NOAA 83157 - PALMYRA ATOLL         NOAA 83484 - SOMDE ISLAND	Select Target Folder
Select "Search for Charts"	NOAA 83633 - APPROACHES TO JOHNSTON ATOLL       NOAA 83637 - JOHNSTON ATOLL       Search For Charts       Select Visible       Select All	

(Example ECPINS Install Charts dialog box)

- 4. Select "BSB" as type of chart.
- 5. Use the drop-down menu to select the Target Folder where the RNCs are located.
- 6. Under Select Source Folder, click on CD Rom Drive Letter.
- 7. Under Select Source Folder, select "[BSB\_ROOT]."
- 8. Select "Search for Charts."

Once the search is complete, a list of available charts will appear on the right side of the dialog box.

9. Click the "Select All" button.

All of the charts in the "Select Charts" box will be highlighted.

10. Select "Install Charts."



(Example ECPINS Installing Charts dialog box)

The dialog box will change, displaying in the title bar "Installing Charts."

Chart Installa	tion Completed	
Chart Installa INSTA	tion Completed           LLED:         CHS           LLED:         NOAA           LLED:         NOAA <tr t=""></tr>	14820 - LAKE ERIE       -         14500 - GENERAL CHART OF THE GREAT LAKES       -         14822 - NIAGARA RIVER AND WELLAND CANAL       -         14823 - STURGEON POINT TO TWENTY MILE CREEK NEW YORK       -         14824 - SIXTEENMILE CREEK TO CONNEAUT       -         14825 - ASHTABULA TO CHAGRIN RIVER OHIO       -         14828 - ERIE TO GENEUA       -         14829 - GENEUA TO LORAIN N       -         14829 - GENEUA TO LORAIN       -         14830 - WEST END OF LAKE ERIE       -         14832 - UPPER NIAGARA RIVER       -         14835 - ERIE HARBOR NEW YORK       -         14836 - ASHTABULA HARBOR NEW YORK       -         14836 - ASHTABUR HARBOR INCLUDING LOWER CUYAHOGA RIVER       -         14838 - BUFFALO TO ERIE       -         14839 - CLEUELAND HARBOR HIO       -         14843 - HURON HARBOR LAKE       -         14844 - SOUTH SHORE LAKE ERIE PORT CLINTON TO SANDUSKY 2       -         14844 - SANDUSKY HARBOR

(Example ECPINS Chart Installation Complete dialog box)

11. When the charts are installed and the "Chart Installation Completed" dialog box appears, select the "OK" button.



(Example ECPINS Updating Chart Index dialog box)

An "Updating Chart Index / Please Wait" dialog box will appear. Once this dialog box disappears, the chart update is complete.

- 12. Repeat this process for each region that needs to be updated.
- 13. Remove the CD from the CD drive.
- 14. Select the "Exit" button.
- 15. Complete steps 1-14 for each ECPINS station that need these corrections.

### PROCEDURES TO INSTALL/UPDATE DNC CHARTS FROM NGA WEBSITE

- 1. Start ECPINS at the selected station where you are installing the updates.
- 2. Insert CD into the CD Rom Drive of the ECPINS station that you are applying the update to.
- 3. Activate the Main Menu by pressing the center button. Select Chart Corrections>Update Charts. A chart update dialog box will appear.

hart Updates
elect Chart Type to Update
ARCS/Seafarer/NZMariner BSB Edition 3.x
DNC S577AMI
C-MAP
Select Exit

(Example ECPINS Chart Types dialog box)

4. When the Chart Updates dialog box appears, select "DNC" and then the "Select" button.

Select VDU Patch File:	
[dnc26edpatch]	
[C:] [D:]	
Select	Exit

(Example ECPINS Select VDU Patch File dialog box)

5. When the Select VDU Patch File dialog box appears, select "[windows]" and then click the "Select" button.

Select VDU Patch File:	
[] a2616940.rtp a2617060.rtp a2617085.rtp a2617100.rtp	
a2617105.rtp a2617160.rtp a2617230.rtp a2617700.rtp a2617790.rtp	
Select	Exit

(Example ECPINS Select VDU Patch File dialog box)

6. When the Select VDU Patch File dialog box reappears, select the ".rtp" patch file that you wish to update and the click the "Select" button.

Apply VDU Update	
Patch Type:	Library
Patch File:	D:\\windows\a2617105.rtp
Target Folder:	dncr26ed17
Library:	DNC26\A2617105
0	K Cancel

(Example ECPINS Apply VDU Update dialog box)

- 7. When the "Apply VDU Update" dialog box appears:
  - a. From the "Patch Type" drop down menu, Select "Library." The Patch file will default to the ECPINS CD drive letter and path (In this example, D = CD Drive).
  - b. Select the DNC edition that is being updated from the "Target Folder" dropdown menu.
  - c. Using the Library drop-down menu, match the library to the patch file on the CD.
  - d. Select "OK."

Apply	y VDU Up date
?	Warning: applying this update could take up to 5 minutes. The Main Menu will not be accessable during this time.
	Do you want to proceed?
	Yes No

(Example ECPINS Apply VDU Update dialog box)

8. When the "Apply VDU Update" dialog box appears, select the "yes" button. This will cause another dialog box to appear stating "Please Wait."

The following libraries have been updated:						
Library	Edition Number	Edition Date	NTM	NTM Date	Update Description	
A2617105	17	2004/10/31	44/04	2004/10/30	NTM 11/05, 20050312	
					OK	

(Example ECPINS Updated libraries dialog box)

- 9. When the update is completed, a dialog box will appear stating: "The following libraries have been updated."
- 10. Select "OK."
- 11. Complete this process for each of the RTP patch files on your CD.
- 12. Remove CD after all files have been downloaded.
- 13. Complete steps 3-9 at each ECPINS station.

### PROCEDURES FOR DNC MONTHLY CORRECTIONS FROM CD

Approximately every 28 days, NGA issues a VPF Database Update (VDU) via CD that has chart corrections for every region. Inside the CD case will be two CD's, one is for a Windows based system and the other is for a Unix based system. Use the **Windows** CD.

### *NOTE: You must uninstall / reinstall the DNC charts before applying the monthly VDU corrections.*

To install DNC corrections from the CD, complete the following steps:

- 1. Insert the Windows CD into the ECPINS CD ROM drive.
- 2. Select Main Menu>Chart Corrections> Update Charts.

Chart Updates
Select Chart Type to Update
ARCS/Seafarer/NZMariner BSB Edition 3.x
DNC S57/AML
C-MAP
Select Exit

(Example ECPINS Select Chart Updates dialog box)

3. Select "DNC" as chart type and click the "Select" Button.



(Example ECPINS Select VDU Patch File dialog box)

4. When the Select VDU Patch File dialog box appears, select "yes."

? The	following	Libraries	will	be updated	to: 🔺
	Library	Patch Edition	Patch NTM		
	A0347740	17	N/A		
	A0347800	17	NZB		
	A0348590	17	NZA		
	A0348591	17	NZA		
	A0348600	17	NZA		
	A0348840	17	NZA		
	A0348970	17	NZA		
	A 0349030	17	NZA		
	A0349130	17	NZA		
	A0349205	17	NZA		
	A0349240	17	NZA		
	A0349290	17	NZA		
	A0349430	17	NZA		
	A0349450	17	NZA		
	A0349470	17	NZA		
	A0349480	17	NZA		
	A0349560	17	NZA		
	A0349580	17	NZA		
	A0349590	17	NZA		
	A0349620	17	NZA		-
		28 3			
		012		-	

(Example ECPINS Apply VDU Update dialog box)

- 5. When the "Apply VDU Update" Dialog box appears, Select "OK."
- 6. When the VDU Update dialog box appears, select the "yes" button. This will cause a dialog box to appear stating "Please Wait (1)."



(Example ECPINS Apply VDU Update dialog box)

7. When the "Apply VDU Update" dialog box appears, select the "yes" button.

The following libraries have been updated:								
Libraru	Edition	Edition	NTM	NTM	Update			
	Number	Date		Date	Description		 	
A1151560	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151585	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151590	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151680	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151690	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151710	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151780	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151811	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151941	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151980	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1151985	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
A1156665	12	2006/08/31	33/06	2006/08/19	NTM 09/07,	20070303		
					1000			
					OK			

(Example ECPINS Updated libraries dialog box)

When the update is completed, a dialog box will appear stating: "The following libraries have been updated."

- 8. Select "OK."
- 9. Complete steps 1-8 for all regions on the CD.
- 10. Remove the CD from the CD drive.
- 11. Complete this process for all ECPINS stations. TERMS / ABBREVIATIONS / ACRONYMS

<u>BSB</u>: A proprietary format created in the late 1990's by BSB Electronic Charts, LLP. BSB was later purchased by MAPTECH, Inc.

CD: Compact Disc

DNC: Digital Nautical Chart

ECDIS: Electronic Chart Display and Information System

ECPINS: Electronic Precise Integrated Navigation System

ENC: Electronic Nautical Chart

**ISCS:** Integrated Ship Control System

<u>Menu</u>: Hierarchical list of software commands and/or options. The operator uses the trackball to highlight the desired command for selection.

NGA: National Geospatial-Intelligence Agency

NOAA: National Oceanographic and Atmospheric Administration

NTM: Notice to Mariners

**<u>RNC</u>**: Raster Nautical Chart

<u>VDU</u>: Vector Database Update

VPF: Vector Product Format