



U.S. Coast Guard Auxiliary

District 113

Serving Northern California, Nevada, Utah



District Navigation Systems

Covering Aids to Navigation, Bridges, & Chart Updating Activities

Accuracy - Credibility - Professionalism - Service to the Coast Guard & NOAA-NOS

2019-11-113 DSO-NS Report/Bulletin

Date: December 3, 2019
 From: D113 DSO-NS
 To: DCAPT- P & All D11 Auxiliary Members for Immediate Action
 Info: EXCOM, Board & Staff, SO-NS, FSO-NS & Aid Verifiers, D11 (dpw) & D11 (dpa-n)
 Subject: DSO-NS November Report/Bulletin Ending December 2nd.

SO-NS please contact each FSO-NS to see that they receive a copy of this bulletin.

Additional copies can be downloaded at:

<http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems-1>

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1. NOAA is Initiating a 5-Year Process to End All Traditional Paper Nautical Chart:

NOAA is initiating a five-year process to end all traditional paper nautical chart production and is seeking the public's feedback via a Federal Register Notice published on November 15, 2019. Chart users, companies that provide products and services based on NOAA raster and electronic navigational chart (NOAA ENC®) products, and other stakeholders can help shape the manner and timing in which the product sunseting process will proceed. Comments may be submitted through NOAA's online **ASSIST** feedback tool. <https://www.nauticalcharts.noaa.gov/customer-service/assist/>

A long tradition in transition

For nearly 200 years, NOAA's Office of Coast Survey has produced traditional paper nautical chart products. Originally, this took the singular form of hard copy paper charts, today, there are several **raster digital chart** (RNC) <https://nauticalcharts.noaa.gov/charts/noaa-raster-charts.html> formats available to download or print through a NOAA certified agent. Similar to the transition from road atlases to GPS navigation systems that we have witnessed in this digital era, we are also seeing the increased reliance on NOAA (ENC) <https://nauticalcharts.noaa.gov/charts/noaa-enc.html> as the primary navigational product and the decreased use of traditional raster chart products. Since 2008, ENC sales have increased by 425%, while sales of paper charts have dropped by half.

The International Maritime Organization now mandates that all large commercial vessels on international voyages use ENCs. In 2016, the U.S. Coast Guard started allowing regulated commercial vessels on domestic voyages to use ENCs in lieu of paper charts. Recreational boaters are also increasingly using electronic chart displays.

NOAA is amid a multi-year program to improve its ENC coverage by replacing over 1,200 irregularly shaped ENC cells, compiled in over 130 different scales, with a standard gridded layout of ENCs, compiled in just a dozen standard scales. This will increase the number of ENC cells to about 9,000 and significantly improve the level of detail and consistency among ENCs. More information about improvements being made is in **Transforming the NOAA ENC®**. <https://nauticalcharts.noaa.gov/charts/noaa-enc.html>



NOAA cartographers review a traditional printed nautical chart.

Another option for paper nautical charts

Ultimately, production will be shut down for all raster chart products and services associated with traditional NOAA paper nautical charts, including:

- [Print-on-demand \(POD\) paper nautical charts](#)
- [Full-size chart PDFs](#)
- [NOAA raster navigational charts \(NOAA RNC®\)](#)
- [BookletChart™ PDFs](#)
- [NOAA RNC tile service](#)
- [Online RNC viewer](#)

Cancellation of these product and services will start in mid to late 2020 and be completed by January 2025. More detailed information regarding this transition is explained in the document [Sunsetting Traditional NOAA Paper Charts: End of Paper and Raster Nautical Chart Production and Introduction of NOAA Custom Charts.](#)

<https://nauticalcharts.noaa.gov/publications/docs/raster-sunset.pdf> Over the next five years, NOAA will work to ease the transition to ENC-based products while continuing to support safe navigation. NOAA will focus on improving data consistency and providing larger scale coverage of NOAA ENC, as well as providing access to paper chart products based on ENC data, either through the [NOAA Custom Chart prototype](#) or third-party commercial data providers.

The online NOAA Custom Chart (NCC) application enables users to create their own charts from the latest NOAA ENC data. Users may define the scale and paper size of custom-made nautical charts centered on a position of their choosing. NCC then creates a geospatially referenced Portable Document Format (GeoPDF) image of a nautical chart. Chart notes and other marginalia are placed on a separate PDF page. Users may then download, view, and print the output. NCC is an easy way to create a paper or digital backup for electronic chart systems or other Global Positioning System (GPS) enabled chart displays.

A comparison of NOAA Chart 16204 and the corresponding NOAA Custom Chart is shown below. Although it looks a bit different from a traditional NOAA chart, NCCs show the latest data as compiled in the NOAA ENCs. The prototype is in the early phases of development and many improvements are needed to make NCC a viable replacement for traditional paper nautical charts. We hope you will try out the [NOAA Custom Chart prototype](#) <https://devgis.charttools.noaa.gov/pod/> and tell us what you think through NOAA's online [ASSIST](#) feedback tool.



Electronic navigational chart displayed on an Electronic Chart Display and Information System (ECDIS) on NOAA Ship Thomas Jefferson.

2. 2019 NAVIGATION SYSTEMS AUXINFO REPORT AS OF December 1st:

Check below to see if your activity is in AUXDATA? If Not, Why Not? Did you submit a 7030?

Cube last refreshed on Sunday December 1, 2019												
ATON-Aids to Navigation (30, 31, 32)	11NR – Eleventh Northern	All Facilities	All Unit Locations	All Activities	CY 2019	All Statuses	Lead ONLY	All Operations				
Some of this AUXDATA Information does not match actual reports submitted to DSO-NS & D11 (dpw). SEE BELOW			BRIDGE – Bridge Administration (32)		FEDERAL – ATON/Chart Update (30)		PRIVATE – Private Aids to Navigation (31)					
			ATON Bridge Verified	ATON Bridge Discrepancy	ATON Aids Verified	ATON- Aid Discrepancy Reported	PATON Aids Verified	PATON - Aids Discrepancy Reported				
113-01-04 CENTRAL MARIN	PAZ, CAROL H						17	4				
113-01-07 POINT BONITA	FRY, SUE K						6					
113-01-09 COYOTE POINT	BLANCHARD, TERRY M						25					
113 - DIV 01							48	4				
113-03-05 SACRAMENTO	DUNCAN, JAMES B						7	2				
	MACPHERSON, DOUGLAS W						13	10				
113 - DIV 03							20	12				
113-05-02 NAPA	HOLTZMAN, TOMMY W											
113-05-03 NORTH SOLANO COUNTY	DERFUSS III, LEWIS C						8	10				
	MCCORMICK, RANDEL						5	16				
	Silva, Jeffery L (Trainee)						4	6				
	WATERS, MARK G							12				
113-05-05 SONOMA COUNTY	KUBO, LARRY Y						28	9				
	Lewis, Mark J (Trainee)											
	SUMNER II, WILFRED A						10	110				
113-05-07 DIABLO	BAIN, ROBERT K						35	56				
	HAY, MICHAEL D						4	2				
113 - DIV 05							94	223				
113-06-10 CAPITOLA FLOTILLA	O'MARA, BRIAN J						13	8				
	SIMPSON, BRUCE						18	4				
	SMITH JR, WALLACE A						16	1				
113 - DIV 06							47	13				
113-08-08 NEW LAKE COUNTY	Jolley, Gary R (Trainee)						14	2				
	MAMMANO, PHILIP T						14	2				
113—08-11 CRESCENT CITY FLOTILLA	STEWART, GREGORY M							1				
113 - DIV 08							28	5				
113-10-06 KAWEAH	MYERS, RICHARD S						58	5				
113 - DIV 10							58	5				
113-11-01 NORTH LAKE TAHOE	THEE, BRUCE W						4	21				
113-11-03 RENO	HAYNES, ROGER D						3	7				
	RAST, PETER H						11	15				
	YAWN III, WILLIAM A						4	6				
113-11-04 SOUTH LAKE TAHOE	COLE, BRUCE M.						7	6				
	ENGLEKIRK, DANA M						4	11				
	MARTIN, BRUCE K						9	6				
	SNELL, JAMES L						7	10				
113 – DIV 11							49	82				
113-12-01 EAST BAY	Kaplan, Gary A (Trainee)						4	2				
	SCHIMMELMAN, NANCY R						7	1				
	SWIFT, FRANK R						4	25				
113-12-91 SAN RAMON VALLEY	BUSCH, STEPHEN C						23	8				
	DOUGLAS, STANLEY C						44					
	Gleeson, Gregory, A (Trainee)						9	19				
	HAYNES, LINDA R						5	2				
	LOSI, JAMES G						3	3				
	LUCHETTI, VIRGINIA						9	42				
113 - DIV 12							100	100				
113 RAW UNCORRECTED AUXDATA INFORMATION							41	49	5	13	444	447
PROBABLE AUXDATA INPUT ERRORS MADE or NOT AV-PQS							-4	-4	-5	-10	-27	-25
113 ESTIMATED CORRECTED AUXDATA INFORMATION							37	45	0	3	417	422

DSO-NS Note: Only CG Unit Requested Verification of an ATON may be entered in this column!

Question: Have you submitted your Navigation Systems 7030 reports and your name is not on the table above? Is the data above incorrect? If so, then you have not submitted a 7030 or all of your 7030's for your Navigation Systems activity to be entered by your FSO-IS. If you have submitted all your 7030's for your Navigation Systems activities, then check with your FSO-IS Officer for the answer. Again, the FSO-IS, SO-IS & DSO-IS is the only members that can enter your Navigation Systems activity into AUXDATA.

NOTE: All Navigation Systems activity awards for this year and AV certifications for next year is taken from AUXDATA information. Remember the old saying "If it's not in AUXDATA it didn't happen." That is why you should always check the table above each month. So, this way you can see that if you have not reported your NS activity (7030) to your FSO-IS or they have not entered your NS activity incorrectly you have time for them to correct your information into AUXDATA. The FSO-IS or SO-IS is the only member that can enter and correct your Navigation Systems activity into AUXDATA and only you can let the FSO-IS or SO-IS if the data information is incorrect.

3. 2019 NAVIGATION SYSTEMS ACTIVITY REPORT:

This summary report activity table covers all ATON, PATON, Bridge, & Chart Updating activities & reports received by D11 (dpw), NOAA-OFFICE OF COAST SURVEY & AUXINFO through **December 2, 2019.**

2019 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				2019 AVPQ In Training	A V - P Q S
	Bridge	Bridge AUX Data Lead only	ATON	ATON AUX DATA Lead only	PATON	PATON NO Permit	PATON AUX DATA Lead only	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do		
1	4	4	1		105	1	52	4	4	100%	0	104	104	100%	0	2	7
3	20	12	5	15	35	1	22	15	15	100%	0	34	34	100%	0	0	4
4	2				67			2	2	100%	0	67	67	100%	0	0	2
5	14	36			127	111	317	11	11	100%	0	103	103	100%	0	2	7
6	2	2			67	2	60	2	2	100%	0	67	67	100%	0	0	3
8	1	1			5		33	1	1	100%	0	5	5	100%	0	1	1
10	9	11			57		63	9	9	100%	0	54	54	100%	0	1	6
11					144		131	0	0	100%	0	144	144	100%	0	1	8
12	8	16		3	183	32	200	8	8	100%	0	181	181	100%	0	3	9
Total	60	82	6	18	790	147	991	52	52	100%	0	759	759	100%	0	10	45

Total Aids to Navigation Reports	1003	Total Members Submitting ATON & CU Reports in 2019 →	44
Total Navigation Systems in AUXDATA*	991	991 out of 1003 ATON & CU reports showing up in AUXDATA →	99%
Total Chart Updating Reports	5	B= Bridges, A= ATON, P= PATON, U= Unauthorized & CU=Chart Updates/CP-Coast Pilot. CUC = Chart Update Credits, (113 Stop Gap) = 26 CUP awarded by D113 DSO-NS for each confirmation of a Report you recently submitted via NOAA -Office of Coast Survey ASSIST Report System.	
Total ATON & Chart Updating	1008		

Note: **Red** numbers above is the information from AUXINFO as of **December 1, 2019** update

CHART & COAST PILOT UPDATE SUBMISSION THROUGH "NOAA -OFFICE OF COAST SURVEY ASSIST REPORT SYSTEM" SECTION BELOW

Div.	2019 D11NR Chart Updating Year Jan 1, 2019 to Dec 31, 2019				2020 D11NR Chart Updating Year Jan 1, 2020 to Dec 31, 2020		
	CU Reports	2nd Ob	CUC (26)		CU Reports	2nd Ob	CUC (26)
1							
3	1 - 4	2	182				
4							
5		1	26				
6							
8							
10							
11							
12							
Total	1 - 4 = 5	3	208				

➤ Total D11 CU Reports & Credits 1/1/2019 through 12/31/2019 **5** **208**

➤ See **2019** NAVIGATION SYSTEMS INDIVIDUAL ACTIVITY AUXINFO REPORT Page 2

➤ **D11NR Chart Updating Year is from - January 1 through December 31 each year.**

➤ Note: The **Purple** number under "2nd Ob" indicates secondary Chart Updating Observers.

✓ Note: "ALWAYS submit a 7030 for all ATON, PATON, Bridge, & Chart Updating Activity. Your work is not completed until your 7030 is in your FSO-IS hands."

✓ "Always check AUXINFO for your ATON, Bridge, & Chart Updating activity. If you don't find your activity recorded and you have submitted the proper ANSC 7030, check with your FSO-IS or SO-IS for help." If you are not satisfied always contact the DSO-NS for help.

4.

DATES OF CHART LATEST EDITION TABLE

Charts Used in District 113, December 3, 2019

Chart No.	Chart Scale	Edition No.	Traditional Paper Chart Edition Date	Last Correction Date from LNM Update for NOAA On-Line-Viewer & RNC & ENC Navigational Charts	
18600	196,948	15	Mar 2011	LNM 48/19	11/30/2019
18602	40,000	13	Feb 2012	LNM 48/19	11/30/2019
18603	40,000	17	Mar 2012	LNM 48/19	11/30/2019
18605	15,000	13	Dec 2010	LNM 48/19	11/30/2019
18620	200,000	24	Feb 2012	LNM 48/19	11/30/2019
18622	25,000	56	APR 2016	LNM 48/19	11/30/2019
18623	40,000	12	Jan 2012	LNM 48/19	11/30/2019
18626	40,000	16	Dec 2012	LNM 48/19	11/30/2019
18628	10,000	9	Oct 2012	LNM 48/19	11/30/2019
18640	207,840	27	Oct 2015	LNM 48/19	11/30/2019
18643	30,000	18	Dec 2009	LNM 48/19	11/30/2019
18645	100,000	28	May 2013	LNM 48/19	11/30/2019
18647	40,000	16	Mar 2009	LNM 48/19	11/30/2019
18649	40,000	68	Jun 2013	LNM 48/19	11/30/2019
18650	20,000	58	Jan 2017	LNM 48/19	11/30/2019
18651	40,000	45	Dec 2013	LNM 48/19	11/30/2019
18652 SC	40,000:80,000	36	CANCELLED	2017	2017
18653	20,000	12	Oct 2012	LNM 48/19	11/30/2019
18654	40,000	45	Jan 2012	LNM 48/19	11/30/2019
18655	10,000	59	Oct 2006	LNM 48/19	11/30/2019
18656	40,000	56	Aug 2010	LNM 48/19	11/30/2019
18657	10,000	19	Nov 2005	LNM 48/19	11/30/2019
18658	10,000	31	Sep 2007	LNM 48/19	11/30/2019
18659	10,000	16	Jan 2012	LNM 48/19	11/30/2019
18660	20,000	3	Sep 2005	LNM 48/19	11/30/2019
18661	40,000	30	Mar 2009	LNM 48/19	11/30/2019
18662	40,000	22	May 2009	LNM 48/19	11/30/2019
18663	20,000	6	Apr 2006	LNM 48/19	11/30/2019
18664	20,000	12	Aug 26, 2000	LNM 48/19	11/30/2019
18665	40,000	11	Aug 2004	LNM 48/19	11/30/2019
18666	10,000	1	Nov 24, 2001	LNM 48/19	11/30/2019
18667	20,000	12	Aug 26, 2000	LNM 48/19	11/30/2019
18680	210,668	32	May 2013	LNM 48/19	11/30/2019
18682	20,000	15	APR 2016	LNM 48/19	11/30/2019
18685	50,000	34	Sep 2012	LNM 48/19	11/30/2019
18686	40,000	13	Jul 17, 1999	LNM 48/19	11/30/2019
18700	216,116	22	Jul 2003	LNM 48/19	11/30/2019
United State Coast Pilot	Volume 7	51	2019 New Edition With (72 COLREGS)	Last Corrected through 12/01/2019	
D11 CG Light List Weekly Updates	Volume 6	2019	Updated weekly	LNM 48/19 – 11/26/1019	

James B. Duncan

D113 DSO-NS