



U.S. Coast Guard Auxiliary

District 11 Northern Region

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

DSO-NS Northern Region Report No. 2016-11

Date: December 5, 2016
 From: DSO-NS 11(NR)
 To: DCAPT-RBS & 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

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>

CONTENTS OF THIS REPORT

- | | | |
|----|--|--------|
| 1. | A Christmas & New Year card: | Page 1 |
| 2. | 2016 D11NR Navigation System November Report as of 12/05/2016: | Page 2 |
| 3. | Important Notice To All Current District 11 Aid Verifier's: | Page 3 |
| 4. | Navigation Systems Workshops at Past Commanders Association (PCA) Training Fair - 1/14-15/2017: | Page 4 |
| 5. | Have You Check Chart Dates Lately? Dates of Chart Latest Editions Table - Dated 12/05/2016: | Page 6 |



2. 2016 NAVIGATION SYSTEMS REPORT:

This summary report activity table covers all ATON, PATON, Bridge, & Chart Updating activities & reports received by D11 (dpw), NOAA-NOS & AUXINFO through **December 5, 2016**.

2016 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				2016	
	Bridge	Bridge AUX Data <small>Lead only</small>	ATON	ATON AUX DATA <small>Lead only</small>	PATON	PATON NO Permit	PATON AUX DATA <small>Lead only</small>	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do	A V 's	P Q S
1	4		1	1	104	4	64	4	4	100%	0	104	104	100%	0	3	5
3	21	11	3	1	44	20	48	15	15	100%	0	41	41	100%	0	2	3
4	2				68	1		2	2	100%	0	68	68	100%	0	1	2
5	14	9			101		78	11	11	100%	0	103	103	100%	0	5	4
6	2	2			67	3	27	2	2	100%	0	67	67	100%	0	1	2
8	1	1			5		5	1	1	100%	0	5	5	100%	0	1	0
10	12				60	1	3	9	9	100%	0	58	58	100%	0	0	3
11			1		140	4	123	0		NA	0	140	140	100%	0	3	3
12	8	3		3	150	8	189	8	8	100%	0	150	150	100%	0	2	5
Total	64	26	5	5	739	41	537	52	52	100%	0	736	736	100%	0	18	27

Div.	2016 D11NR Chart Updating Year Jan 1, 2016 to Mar 31, 2016			2016 D11NR Chart Updating Year April 1, 2016 to Dec 31, 2016			2016-2017 NOAA-NOS Chart Updating Year Apr 1, 2016 to Mar 31, 2017		
	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)
3	5	13	143	5	13	143	5	13	143
4									
5	1	13	39	1	13	39	1	13	39
6									
8									
10									
11									
12									
Total	6	26	182	6	26	182	6	26	182

Total D11 CU Reports 1/1/16 through 12/31/16 → **6** Total D11-NOAA CU & CUC 4/1/16 through 3/31/17 → **6** **182**

Total Aids to Navigation Reports **849** Total Members Submitting ATON & CU Reports in 2016 → **43**

Total Aids to Navigation in AUXDATA* 568 **568 out of 849 ATON & CU reports showing up in AUXDATA → 67%**

Total NOAA Chart Updating Reports 6

Total ATON & Chart Updating 855

A= ATON, P= PATON, B= Bridges, U= Unauthorized, CU=Chart Updates
CUC = Chart Update Points (Stop Gap) = 26 CUP awarded by D11NR DSO-NS for each confirmation of a Report you recently submitted via NOAA's Nautical Discrepancy Report System.

➤ **Note: *Red numbers above is the information from AUXINFO as of December 5, 2016 update.**

➤ **NOAA-NOS Chart Updating Year is from - April 1 through March 31 each year????**

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

➤ **Note: The Green 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.**

3. NOTICE TO ALL CURRENT & PAST DISTRICT 11 AID VERIFIER'S:

The 11th District's Aid Verifiers upgrading 5 year program plan for current Aid Verifier meeting district standers to upgrade to the national standers of "Auxiliary Aids to Navigation (ATON) Verifier" PQS. The district's 5 year changeover program plan which started on January 1, 2012 will be completed on December 31, 2016.

A. Starting January 1, 2017 all District 11 Aid Verifiers must hold or completed the following to be certified for 2017.

1. "Auxiliary Aids to Navigation (ATON) Verifier PQS" qualification & certification.
2. Started 1 January 2017 must have completed the USCG Mandatory Training and keep up with the ones that have a 5 Year requirements.
3. TCT current. (5 Year & Annual workshop)
4. Have submitted one ATON or one PATON or one Bridge report in 2015 or 2016. Except those AV-PQS qualified in 2016.

B. For Non-AV-PQS certified Aid Verifier 2016, current "Certified Aid Verifiers" maybe granted a training waiver for 2017 by the DSO-NS if you're in AV-PQS training program. We need your help, so please complete your AV-PQS training ASAP or before December 31, 2017. If you need help or have any question please contact the DSO-NS.

C. Any other Auxiliarist who would like to assist the Coast Guard in keeping our district waterways safe for navigation? We need your help in keeping our bridge lights, bridge fenders and aids to navigation watching properly. D11NR is tasked with verifying around 750 private aids to navigation (PATON) and 52 bridges annually. We also report any non-permitted PATONs and Coast Guards ATON discrepancies found. The only way we can carry out our district tasking is to have properly trained Aid Verifiers.

D. **The training prerequisites need before completing the AV-PQS course:**

- 1) You are required to have a copy of the Auxiliary Aids to Navigation (ATON) Verifier PQS sign off booklet completed,
- 2) BQ or AX member,
- 3) Completion of the 4 or 8 hour TCT,
- 4) Completing ICS 100 and ICS 700,
- 5) Complete the USCG Mandatory Training and keep up with the one that have a 5 Year requirements.
- 6) All Major Tasks can be signed off by any Certified Aid Verifier with the exception of Tasks 5.1, 5.2, 5.3, 6.6, 7.2 & 7.3. These tasks shall be signed-off only by the DSO-NS.

The sign off booklet and training material can be downloaded from the following National Navigation Systems web sites.

1) National Navigation Systems web site:

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

2) D11NR Navigation Systems web site:

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

3) D1NR Navigation Systems web site: <http://www.uscgaan.com>

These three web sites can just about answer any and all of your questions about Aid Verifier PQS qualification, aids to navigation, bridges & chart updating. Take a good look at all three (3) by navigating through these excellent web sites. If you are interested please contact your FSO-NS, SO-NS or DSO-NS

4. PAST COMMANDERS ASSOCIATION TRAINING FAIR: I will be conducting **Auxiliary Aids to Navigation (ATON) Verifier PQS Training Course** and **Chart Updating ICS Course** at the Past Commanders Training Fair on January 14 & 15 2017. If you have not signed up yet, you can get the “Past Commanders Association Training Fair flyer” on the District web site <http://wow.uscgaux.info/content.php?unit=113> and click on “Event Calendar” and at Sept 17-18 click on the word “Flyer” and print it out.

(1) Chart Updating CSI & NOAA’s Nautical Discrepancy Report System:

Again any Auxiliary member can do chart updating. This class will be held on Saturday, January 14, 2017. This course is for any Auxiliary Member who would like to learn all about Chart, & Coast Pilot Updating. How to submit your chart updated or Coast Pilot reports through the NOAA Office of Coast Survey - **NOAA’s Nautical Discrepancy Report System** to assist the NOAA-National Ocean Service, NOAA Coast Survey and the U. S. Coast Guard in keeping our charts and waterways information correct. The focus for the Auxiliary Chart Updating program is on **prevention, accuracy, credibility,** and **professionalism,** and is directed toward raising your competence in the eyes of NOAA-NOS. There are specific guidelines for taking fixes and depths that require pre-underway validation of all equipment that is used to perform measurements, and for reporting quality control evidence for each on-scene observation and instrument reading. Also required are explanations of the technique(s) used to acquire any reported data. Observers are directed to define each chart update task, list their on-scene observations, develop a conclusion from the collected evidence and make a final recommendation to NOS. A fresh scientific approach is encouraged. Evidence can take the form of a fix taken with a GPS set using WAAS, depths corrected to the charted vertical datum, physical measurements, photographs, drawings, marked up chart, Google Earth data and other printouts from the Internet can also supply great supporting data. Any official document that supports your contention is great supporting evidence. In effect, you are pleading your case for acceptance of your premise as a chart update or coast pilot update to NOAA-NOS. This class we also take you step by step on how to submit a report to NOS through the online Office of Coast Survey - NOAA’s Nautical Discrepancy Report System.

Again any Auxiliary member can do chart updating. Any Auxiliary Member who would like to update or improve their charting skills can also sign up. You can also find out about downloading excellent Chart Updating information, guides, training power points, all the new excel field reporting forms and worksheets and the WebEx Training Topics Schedule from the best two District Navigation Systems web sites in the auxiliary.

1) D11NR Navigation Systems web site

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

2) D1NR Navigation Systems web site <http://www.uscgaan.com>

These two web sites can just about answer any and all of your questions about chart updating. Take a good look at both by navigating through these two excellent web sites.

(2). Auxiliary Aids to Navigation (ATON) Verifier PQS Training Course: On Sunday January 15, 2017. This course is for those members who would like to become an Auxiliary Aids to Navigation (ATON) Verifier and assist the Coast Guard with their Aids to Navigation & Bridges. We are in great need of trained Aid Verifier-PQS members. As of January 1, 2017 all Aid Verifiers must be National AV-PQS certified. Any pass or present District Aid Verifiers who would like to update to the AV-PQS qualification or update their skills are also welcome.

The training Prerequisites to completing the course: 1) A BQ or AX member, 2) A current or past Aid Verifier, 3) Completion of the 4 or 8 hour TCT, 4) Completing ICS 100 and ICS 700 and 5) You are required to have a copy of the Auxiliary Aids to Navigation (ATON) Verifier PQS sign off booklet, 6) The sign off booklet and training material can be downloaded from the National Navigation Systems web site: <http://wow.uscgaux.info/content.php?unit=P-DEPT&category=navigation-systems> and/ or the District Navigation Systems web site: <http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems>.

Please download a copy of the “**Auxiliary Aids to Navigation (ATON) Verifier**” PQS sign off Booklet. Use this booklet as your study guide while attending the AV training course. Just sign up.

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



News and Notices:

A leap second will be applied to Coordinated Universal Time on 31 December 2016. To be fully prepared, please read the "[Best Practices for Leap Second Event Occurring on 31 December 2016](#)" document, sponsored by the DHS's National Cybersecurity and Communications Integration Center in coordination with the U.S. Naval Observatory, National Institute of Standards and Technology, the USCG Navigation Center, and the National Coordination Office for Space-Based Positioning, Navigation and Timing.

“All auxiliary vessels when underway should be checking all [Aids to Navigations](#) for any type of **Discrepancy and also should be checking the [Charts, Coast Pilot & Shoreline](#) for any type of **Charting Errors** as well as providing update reports on [Charts, & Coast Pilot](#) in your AOR”**

DATES OF CHART LATEST EDITION TABLE
In D11 Northern Region December 5, 2016

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 47/16	11/22/2016
18020	1,444,000	39	Jan 2012	LNM 47/16	11/22/2016
18010	811,980	22	Sep, 2012	LNM 47/16	11/22/2016
18022	868,003	36	Jun 2012	LNM 47/16	11/22/2016
18601	40,000	14	Feb 2007	LNM 47/16	11/22/2016
18602	40,000	13	Feb 2012	LNM 47/16	11/22/2016
18603	40,000	17	Mar 2012	LNM 47/16	11/22/2016
18605	15,000	13	Dec 2010	LNM 47/16	11/22/2016
18620	200,000	24	Feb 2012	LNM 47/16	11/22/2016
18622	25,000	56	APR 2016	LNM 47/16	11/22/2016
18623	40,000	12	Jan 2012	LNM 47/16	11/22/2016
18626	40,000	16	Dec 2012	LNM 47/16	11/22/2016
18628	10,000	9	Oct 2012	LNM 47/16	11/22/2016
18640	207,840	27	Oct 2015	LNM 47/16	11/22/2016
18643	30,000	18	Dec 2009	LNM 47/16	11/22/2016
18645	100,000	28	May 2013	LNM 47/16	11/22/2016
18647	40,000	16	Mar 2009	LNM 47/16	11/22/2016
18649	40,000	68	Jun 2013	LNM 47/16	11/22/2016
18650	20,000	57	Dec 2013	LNM 47/16	11/22/2016
18651	40,000	45	Dec 2013	LNM 47/16	11/22/2016
18652 SC	40,000:80,000	36	Feb 2012	LNM 47/16	11/22/2016
18653	20,000	12	Oct 2012	LNM 47/16	11/22/2016
18654	40,000	45	Jan 2012	LNM 47/16	11/22/2016
18655	10,000	59	Oct 2006	LNM 47/16	11/22/2016
18656	40,000	56	Aug 2010	LNM 47/16	11/22/2016
18657	10,000	19	Nov 2005	LNM 47/16	11/22/2016
18658	10,000	31	Sep 2007	LNM 47/16	11/22/2016
18659	10,000	16	Jan 2012	LNM 47/16	11/22/2016
18660	20,000	3	Sep 2005	LNM 47/16	11/22/2016
18661 SC	40,000	30	Mar 2009	LNM 47/16	11/22/2016
18662 SC	40,000	22	May 2009	LNM 47/16	11/22/2016
18663	20,000	6	Apr 2006	LNM 47/16	11/22/2016
18664	20,000	12	Aug 26, 2000	LNM 47/16	11/22/2016
18665	40,000	11	Aug 2004	LNM 47/16	11/22/2016
18666	10,000	1	Nov 24, 2001	LNM 47/16	11/22/2016
18667	20,000	12	Aug 26, 2000	LNM 47/16	11/22/2016
18680	210,668	32	May 2013	LNM 47/16	11/22/2016
18682	20,000	15	APR 2016	LNM 47/16	11/22/2016
18685	50,000	34	Sep 2012	LNM 47/16	11/22/2016
18686	40,000	13	Jul 17, 1999	LNM 47/16	11/22/2016
18700	216,116	22	Jul 2003	LNM 47/16	11/22/2016
Coast Pilot	Volume 7	48	Updated weekly	Last Corrected through 11/27/2016	
CG Light List Weekly Updates	Volume 6	2016	Updated weekly	Last Corrected though LNM 45/16 - Dated 11/30/2016	