United States Coast Guard Auxiliary First Northern Aid to Navigation Team

TRAINING CHECKLIST FOR THE AV - AID TO NAVIGATION VERIFIER

Version D1NR - 2010

Revised 3/19/2010

AVC Name			_
Auxiliary Member Numb	er		
District/Division/Flotilla	0 13-	-	

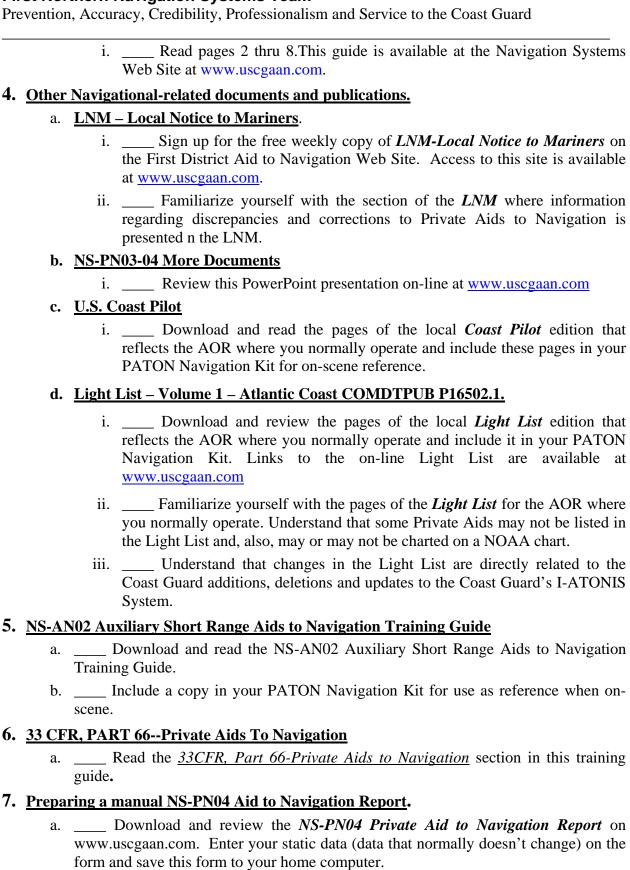
INTRODUCTION

- 1. The Auxiliary Aid to Navigation Verifier Training Guide has been designed to help Auxiliarists become AV-Aid Verifiers. Each section of this guide contains a listing of training tasks that allow Auxiliarists to demonstrate their proficiency in the skills needed to complete the AV mission.
- 2. This guide can function as the agenda for a workshop or may be used as a self-study tool.
- 3. If an AVC Aid Verifier Candidate has difficulty finding qualified examiners, they are encouraged to contact:
 - a. Their Flotilla NS Staff Officer FSO-NS.
 - b. Their local CG ANT-Aid to Navigation Team.
 - c. Their Assistant District Staff Officer ADSO-NS or District Staff Officer DSO-NS.
- 4. The AVQ can be any qualified, current and active Aid Verifier that has been approved by the DSO-NS and is listed on the PATON Page of the Navigation Systems Web Site at www.uscgaan.com.
- 5. Check off each task as you complete it so you don't lose track of each training element.
- 6. When the final tasks are completed, the AVC will contact their AVQ who will validate the required PATON verifications and AUXdata entries and will notify their ADSO-NS.

1

First Northern Navigation Systems Team Prevention, Accuracy, Credibility, Professionalism and Service to the Coast Guard								
	7. AV Certification is complete only v Auxiliary and posted to the member's A ist of assisting AVQ – Aid Verifier	uxiliary record.	he District Director of					
	ach participating AVQ should be listed in this sec							
Na	ame of AVQ	CG ANT	Date.					
1.	PATON Policy Statement. a Review the First District PATON Systems Web Site at www.uscgaan.com	•	uilable on the Navigation					
2.	Boat Crew Qualification.	-						
	qualified. If not, they must complete the following iBCM-02-08-AUX Type III PFD, AntiiiBCM-02-09-AUX Identify Boat CrewiiiiBCM-02-10-AUX Use The Emergence ivBCM-02-11-AUX Describe The Use of the complete via the complete in the co	i-Exposure Coverall Or Dry Sov Survival Equipment by Signaling Mirror Of Hand Held Distress Flares Of Aerial Flares hal Marker Light (PML) or Steedures In Event The Boat Ca Parts, Symbols And Abbrevia Aids To Navigation Used In Solmarks Used In Piloting On Ang Latitude And Longitude burse On A Nautical Chart On A Nautical Chart eed And Distance oth Of Water Using A Fathon	Suit Swim s trobe Light apsizes Or Swamps ations Found On A Small Boat Piloting A Nautical Chart					
3.	Required Pre-workshop readings and downle	oads:						
	 a. NOS Chart No. 1. i Purchase or download a converse Navigation Kit. 	opy of the NOS Char	t No.1 for your PATON					
	ii Browse through this pubersymbols and abbreviations used							
	b. NOAA Nautical Chart.							
	i Acquire the latest NOAA plan to verify PATONs.	nautical chart for the	e patrol area where you					
	ii Scan this chart and become AOR.	ne familiar with the	charted features in your					
	c. NS-PN03-03 Chart Orientation.							
	i Review this PowerPoint pr	esentation on-line at v	www.uscgaan.com.					

d. NS-CU02 Chart Update Training Guide.

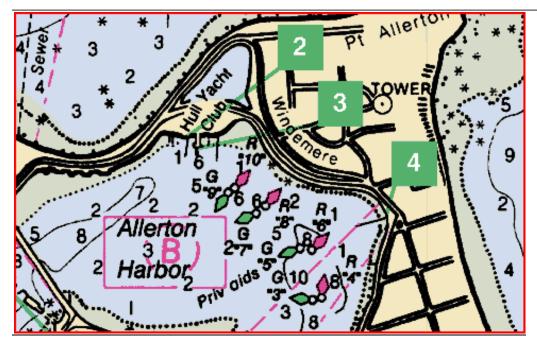


8.	Under	rstanding the	I-ALA Aid t	o Navigation	System.						
	a.				y of the USCC as a reference do		Navigation System				
	b.	Read 1 Navigation T	_	_	he <u>NS-AN 02 A</u>	Auxiliary Sh	ort Range Aid to				
9.	Revie	wing lights an	d lanterns u	sed on Aids	to Navigation.						
	a.	Read Navigation T			e NS-AN02 Au	axiliary Sho	ort Range Aid to				
	b.	Review available on t			,	07 Basic AT	ON System" that is				
	c.	c Simulate a lighted aid report by entering the information relating to the lightin system specified for the aid in Section 5 – AID TO NAVIGATION Characteristics of a NS-PN04 Private Aid to Navigation Report.									
	d.	of a light is	performed b	y using a sto	op watch to tim	e five succe	cteristic and period essive period light st be performed at				
10	. Unde	erstanding the	e sources of i	nformation	about a Private	Aid to Nav	<u>igation.</u>				
	a.	downloaded	pages of the	local <i>Light L</i>	<i>ist</i> or reflected o	n the NOA	available from the A chart of the area.				
	b.	 Realize that all permitted PATONs are listed in the Web-Based PATON System. b Locate the Allerton Harbor Buoy No. 6 on the Light List and the NOAA Char shown below. 									
Co	py of L	Light List show	wing Allerto	n Harbor							
	Allert	ton Harbor maintained from May 15 to S									
	12125	- Lighted Buoy 1	42-17-56.400N 070-53-18.120W	FIG 4s	Green.	Private aid.					
	12130	- Lighted Buoy 2	42-17-56.400N	FIR 4s	Red.	Private aid.					

	ton Harbor maintained from May 15 to	Sep. 30.			
12125	- Lighted Buoy 1	42-17-56.400N 070-53-18.120W	FIG 4s	Green.	Private aid.
12130	- Lighted Buoy 2	42-17-56.400N 070-53-17.160W	FIR 4s	Red.	Private aid.
12135	- Buoy 3	42-18-06.900N 070-53-15.480W		Green can.	Private aid.
12140	- Buoy 4	42-18-07.140N 070-53-14.280W		Red nun.	Private aid.
12145	- Buoy 5	42-18-12.180N 070-53-17.280W		Green can.	Private aid.
12150	- Buoy 6	42-18-12.010N 070-53-15.600W	•	Red nun.	Private aid.
12151	- Buoy 7	42-18-15.720N 070-53-23.280W		Green can.	Private aid.
12152	- Buoy 8	42-18-16.500N 070-53-22.020W		Red nun.	Private aid.
12153	- Buoy 9	42-18-17.820N 070-53-27.120W		Green can.	Private aid.
12154	- Buoy 10	42-18-18.300N 070-53-26.220W		Red nun.	Private aid.

Chart of Allerton Harbor is available on page 5.

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- c. ____ Use the "<u>2554-Application PATON Edit Report</u>" below as a source of information about a PATON. You can click on the PATON Name to access this report when operating on-line.
- d. ____ Prepare a <u>NS-PN04 Private Aid to Navigation Report</u> using the data from the 2554 Application PATON Edit Report above.

2554-Application PATON Edit Record

LLNR: **12130.00**

AID NUMBER 125

PATON NAME: ALLERTON HARBOR LIGHTED BUOY 2

PATON TYPE: Floating Fixed

OPFAC: 41949

UNIT_RESPONSIBILITY: CG ANT BOSTON

FIRST_NAME: KURT

LAST_NAME: BORNHEIM

Your Organization: HULL HARBORMASTER

PHONE: 781-925-0316

CLASS: II

LATITUDE: 42-17-56.10 N LONGITUDE: 070-53-17.80 W

Chain Length: 25 feet

Depth of water: 8.1 feet at Datum

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Mooring Size: 200 lbs Suggested Aid Name: ALLERTON HARBOR LIGHTED BUOY 2 Aid Purpose: Marks a channel Light Period: 4s Light Color: RED Light Characteristic Fl - Flashing Height of light: Aid Structure: LB – Lighted Buoy Action Requested: Seasonal Establishment Aid Duration: 5/15 to 9/30 Aid Necessity: STARBOARD HAND LATERAL MARK Aid General Locality: ALLERTON HARBOR HULL MA USACE: 11. Becoming familiar with the typical conditions that can cause a PATON to be discrepant. a. ____ Download a copy of the <u>NS-AN03 ATON Kit</u> and include it in your PATON Navigation Kit for future reference while on a patrol. This kit is available on the Navigation Systems Web Site at www.uscgaan.com. b. ____ Understand that a private aid is discrepant when it does not conform to descriptions of the PATON described in I-ATONIS, in the Light List, listed in the Web-Based PATON System and displayed on the NOAA chart. c. NS-PN03-09 PATON DISCREPANCY REVIEW i. _____ Review this PowerPoint presentation on-line at www.uscgaan.com. ii. ____ Review the typical discrepancies found on a private aid and corrolate them to the discrepancy listings shown on a "NS-PN04 Private Aid to Navigation Report." 12. Reporting Non-Permitted Aids to the Coast Guard. **a.** ____ Understand the importance of providing clear data, the name and address of the owner, and a photo of the aid. Basically, nothing can happen to resolve this issue until the aid's owner applies for a permit to the DPW. **b.** ____ Simulate and complete the additional information required for a non-permitted PATON report using the NS-PN02 Private Aid to Navigation Report. 13. Guidelines for reporting the depth of water to a Federal Agency. a. Echo Sounder Set Up: i. Read your echo sounder's operating manual to fully understand the operation of your unit. Echo sounders used to measure depth should have a digital reading for partial feet. ii. ____ Understand how to set up an echo sounder in order to insure it is operating accurately before getting underway.

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iii. Understand how to determine the correct depth unit of measure by referencing the current General Information Block of NOAA Chart. iv. ____ Pre-check that the correct depth unit of measure is set up in your echo sounder--feet, meters, or fathoms. v. ____ Understand the correction required for the location of the echo sounder's transponder on an OPFAC's hull and how it was determined. vi. Understand how to use of depth alarms on an echo sounder. vii. ____ Understand how to pre-calibrate your echo sounder before getting underway to insure that it is operating accurately and how to report this information. b. Compensating for Current and Wind. i. Understand the effects on a floating aid from the influence of Set and Drift of the current, wind and other elements and the meaning of the term, "Watch Circle." ii. ____ Understand that more accurate depth readings are possible by taking the reading up wind and/or up current from the aid. c. Correcting the depth of water for the height of tide. i. Understand the concept of "Height of Tide at any time." ii. ____ Understand how to use a GPS set to look up and state the tide predictions for a specific date and time. iii. ____ Understand how to read a charted depth on a NOAA Chart and how it compares to the reading from an electronic echo sounder. iv. Understand that the depth reading from an echo sounder is corrected by adding the correction for the position of the echo sounder's transducer to the echo sounder's depth read out. v. ____ Understand and actually correct the "Substation" reference on the Almanac screen of the GPS. Also, understand that Substations change as you transit from one area to another. vi. ____ Understand how to correct a depth reading to charted datum by subtracting the HOT-Height of Tide taken from the Almanac screen on their GPS that is referenced to the correct "Substation." d. On-scene precautions and processes: i. Be aware that while taking soundings near any aid to navigation that the boat should never transit outside of the navigable channel at any time for any reason while verifying PATONs. ii. ____ Understand that the boat should be maneuvered close aboard the private aid taking extra precautions that the aid could be positioned over shoals and/or obstructions. Depths, recorded from an electronic echo sounder, are always corrected for the position of the echo sounder's transducer. iii. ____Be aware that special precautions must be taken near fixed aids to navigation due to the possibility of shoaling or obstructions near the aid's position. Understand the term "riprap" and how it should be handled when

	-	_	private aid utical char		to r	ecognize t	he	symbols	used to ide	entify
iv.	Be	aware	e that floati	ng aids ar	e anc	hored to th	e s	eabed wit	th a harness	and,
				-					d tide. De	-
			_	_	rrent	on these ai	ids	to insure	a more acc	urate
	•	_	for the aid							
V.				-	of re	ecording a	nd	reporting	the exact	time
TION A HODIZONTA			pth is taker		T INTEC IN	THE EEDEDAL OLD	DT C	ANCE AID TO NA	CUICATION CTUDU C	LIIDE
TION 4 - HORIZONTA LATITUDE (DD-HH-			OE [DDD-HM-SS.SS			ETHOD USED TO TAKE		ec CHECK		TIME WHEN TAKEN
OFFICIAL HAME	OF LOCATION		GPS	MANUFACTURER A	HD MODE	HUMBER	Т	GPS OPERATION	CHT. DEPTH U	
HOD USED for DEPTH	MANUFACTUE	ER and M	ODEL HUMBER	OBSER#ED	EPTH	TRMSDCR. COR	R.	HEIGHT of TID		t. Not Used
			0 0 7 0		Ft		Ft.		Ft. F	t.
Understai	nding the	e use	e of GPS.							
a. Backs	ground In	form	ation:							
i.	Vie	w th	ne PowerF	oint pres	entat	ion " <i>NS-P</i>	NO.	03-11 GF	PS Orienta	tion"
	available	on t	he AV Trai	ning Page	at <u>w</u>	ww.uscgaa	ın.c	<u>com</u> .		
ii.	Be	awar	e that the a	ccuracy of	a W	AAS readi	ng	is approx	imately 10	feet,
				•			_		ite generate	
			ith ground						C	
b. GPS 3	Set Ups									
i.		rizo	ntal Datuu	n - Rea	ware	that only	ch	arte chow	ving NAD8	23 or
1.			n may be u			•		arts snow	villg NAD	55 01
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11.			_				_		erates mag	-
	-		must be co			_			_	neuc
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iii.	_							-	ng on the w - Nautical I	
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17.						_			eviation Tal	
			accurate na		your	compass t	ına	tilat a DC	viation rai	510 15
**	·			•	ot no	w CDC ac	to i	hava auto	matia vari	otion
v.									omatic vari	
		-	be obtaine			-			ected manu	iany.
						•		•		
Vi.									n date and	time
			satellites w					•		
vii.				_					uard uses L	-
			_	that GPS	sets	must be a	dju	isted to re	eflect the (Coast
	Guard st									
c. GPS	Alarms – I	Be av	vare of the	following	avai	lable alarm	s:			
i.	Wa	aypoi	int Alarm	Defines	a pı	e-set diam	ete	r in miles	that trigge	rs an
					-				nd the way	

entered on a GPS Set.

Prevention, Accuracy, Credibility, Professionalism and Service to the Coast Guard Off Course Alarm – Establishes a XTE—Cross Track Error parameter in the GPS, creates this alarm which sounds whenever the boat crosses the error limit on either side of a track line. iii. ____ Anchor Alarm – Indicates that an alarm is created by establishing a diameter (nautical miles) that triggers an alarm whenever a boat drifts outside the limits of the circumference. d. Quality readouts: i. ____ THREE DIMENSION POSITIONS – Understand that a three-dimension position is obtained by the GPS after acquiring data from four or more satellites and that a three-dimension fix must be attained at a minimum when locating (fixing) private aids. This condition must also be included on your PATON Report. 3D Differential fixes are highly desirable. ii. ____ HDOP - Dilution of Position Error - Understand that this statistic is a measure of the accuracy of the geometry of the satellites in relation to your position on the earth's surface. Lower readings indicate possible lower accuracy. If DGPS is being used, review the HDOP scale in the GPS' Operating Manual and express the accuracy of the current satellites position readings being generated by the GPS set – Optional. This condition must also be included as part of your PATON Report. iii. ____ EPE - Estimated Position Error (in feet) - Know that this error is an expression of the accuracy of the fix being generated by your GPS and that the expression, in feet, represents the diameter of a circle in which the fix exists. This quality measurement must also be included as part of your PATON Report. e. Waypoints i. Understand the composition of a Waypoint as used by GPS, including Latitude and Longitude, a number, and a symbol. ii. Review the PowerPoint presentation, "NS-PN03-12 GPS Waypoints" available on the AV Qualification page at www.uscgaan.com. iii. WAYPOINT VALIDATION – Follow the practice that considers every new waypoint as suspect until verified by actually visiting the waypoint site and by correcting any LAT-LON position error in the GPS while at the site. f. **Routes:** i. ____ Understand the composition of a Route as used by a GPS to be a series of verified waypoints linked together in a planned sequence. ii. Review the PowerPoint presentation, "NS-PN03-13 GPS Routes"

> available on the AV Qualification page at www.uscgaan.com. iii. ____ Read the section on Routes in your GPS' Operating Manual.

Prevention, Accuracy, Credibility, Professionalism and Service to the Coast Guard 15. Guidelines for taking and reporting a fix to a Federal Agency. a. Background Information: i. Record the manufacturer's name and model number for the GPS(s) being used on the "NSN04 Private Aid to Navigation Report." b. **Pre-underway activity:** i. ____ Understand how your GPS set should be checked for accuracy before getting underway. 1. Verified that units of measure are correct. 2. Horizontal DATUM is set correctly. 3. LAT/LON is formatted correctly. 4. WAAS is enabled. 5. GPS readout is compared to a known location or other GPS. c. On Scene Activity: i. ____ Understand that a coxswain must be able to hold the OPFAC alongside the aid while remaining in the navigable channel when a fix and depth is being recorded so that the AV can record all of the required information. ii. Understand the need to record the accuracy of the GPS readings as the Fix is taken: 1. EPE or HDOP reading. 2. 3D or 3D Differential indications. iii. ____ Know that all fix data must be recorded in degrees, minutes and seconds when reporting data to the Coast Guard. iv. Simulate a FIX and enter the information on a NS-PN04 Private Aid to Navigation Report. 16. Activity reports to AuxData: a. Understand that the purpose of reporting PATON activity in a timely manner is to provide support statistics regarding the performance of the PATON program concerning PATON Missions, PATON Verifications and PATON Discrepancies that Mission 31 is used for reporting PATON activity. b. Be aware that each person performing PATON verifications is responsible for preparing their own "ANSC 7030 ACTIVITY REPORT – MISSION," referencing UNIT/INDIVIDUAL as Type of Resource. c. ____ Accurately complete an "ANSC 7030 - ACTIVITY REPORT - MISSION -INDIVIDUAL." d. ____ Understand that when the PATON verification is performed as part of an

authorized Patrol, the total time allowed for Individual ATON activity is limited to 15

minutes since the time underway is recorded in POMS by the coxswain.

DEPARTMENT OF HOMELAND SECU U.S. COAST GUAR ANSC-7030 (10-08)		Division <u>10</u> Flotilla <u>07</u> MISSION DATE DDMMMYY								
SECTION I TYPE	PE OF RES	OURCE	Air Boat	Radio 🖊 Un	it/Individ	ual				
SECTION II TIME & MISSION										
Use change boxes	Always record START TIME, START MISSION, and FINISH TIME. (See MISSION list on page 3.) Use change boxes if mission changes. See instructions.									
TIME	TART	Change 1	Change 2	Change 3	Chai	nge 4	Change 5	FINISH		
MISSION	31 ▼	▼	▼	▼		▼	▼			
SECTION III AC	TIVITY LOG	DETAILS			_					
Location:			(OPCON	▼					
	PA	TROL MIS	SIONS ON	LY						
ATI	ON Discrepa		SAR ASSIS	Discrepancies	/	T E	Bridge Discrepanc	ies		
ATON	Watching Pro		PATONS Water				es Watching Prope			
SECTION IV CRE				3 1 7				,		
Member			Name and Initials	e Tr	ainee					
LEAD		Last	Name and miliar			DE En	nd-of-Cours	ONLV		
2							iu-oi-cours	CONLI		
3										
4							OTES (non-AUX			
5					Re	ecipient	's email address	:		
6					Y	our ema	il address:			
8					∺⊩					
9					H		SUBMI	Г		
	AADVC									
SECTION VI REM	MARKS									
Use Member A RBSVP(ANSC	ctivity Lo	og (ANSC-7	029) for missi	ons not repo Prep time pr	orted on	VE (A	NSC-7038), ted on this for			
Date submitted	. 0 10) 01 1	o ioiiii aii	a lor mavora r	.op ame pr	cricusty		Г			
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Submitting Member Name (print) Previous edition may be used until supply is exhausted COPY 1 - MEMBER										

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17. Registering on the Web-Based PATON System.

- a. ____ Download and print out a copy of the "*NS-PN06 Web-Based PATON System Training Guide*" and add it to your PATON Navigation Kit. This guide is available in the Navigation Systems Web Site at www.uscgaan.com.
- b. ____ Using the format on the next page, practice entering the personal data needed for registering on the Web-Based PATON System.



	PATON REGISTRATION
	* Indicates required fields
Name *	
Type of User *	Harbormaster Private Citizen USCG Auxiliary
Organization	
Address *	
City *	
State *	
Zip *	
Email Address*	
Text Messaging Email:	
Work Phone: *	
Cell Phone:	
Cell Phone Service Provider	(For emergency messaging only)
Fax Number: *	
What USCG station are you affiliated with?	•
Username: *	
Password: *	
Re-Enter Password: *	
USCG AUXILIARY AID DISTRICT/DIVISION/FLO	

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18. Preparing a 2554 PATON Application Report.

a. ____ Use the "2554 – WEB-BASED PATON APPLICATION FORM" below, enter the PATON data as if you are applying for a private aid permit on the Web-Based PATON System as a PATON owner.

You are logged on as YOUR NAME							
PRIVATE AIDS TO NAVIGATION FOR - CG ANT BOSTON Private Aids to Navigation Application - CG 2554							
Entry Form							
* Indicates required fields							
FIRST NAME *							
LAST NAME *							
PHONE *							
LAT*							
LON*							
Email *							
Aid type:	C Floating C Fixed						
Chain Length *	(Chain length in feet)						
Depth of water *	(Depth in feet)						
Mooring Size/Weight *	(Size/Weight in pounds)						
Suggested Aid Name*							
Aid Purpose *	Mark Channel ▼						
Light Characteristic							
Color *							
Light Manufacturer							
Sound Signal	☐ Horn ▼						
Aid Height *							
Structure							
Action Requested *	Establish and Maintain throughout the year						
Aid Duration *	Throughout the year ▼						
Aid Necessity *							
General Locality							

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19. Logging on to the Web-Based PATON System.

- a. ____ Understand how to log on to the Web-Based PATON system.
- b. ____ Understand how to sort data and find specific PATONs.
- c. ____ Understand how to print out a one-page PATON Report.

You are logged on as RNOLAN3579. PRIVATE AIDS TO NAVIGATION FOR - CG ANT WOODS HOLE									
STATUS:	STATUS: ALL								
STATOS.									
SEARCH BY:	AID NAME	•							
SEARCH									
www Your are log	ged on as "RNOLAN	3579." [Log	off]						
View all PATON records									
Entire inspection checkout list									

CI	Checked out AIDs:								
	CHECK OUT RESET/CLEAR								
1	Common Flat North Fish Trap Light	07/02/07							
2	□ Common Flat North Fish Trap Light 07/02/07								
3	☐ Eddie Woods Rock Fish Trap South Light 10/12/07								
4	☐ Butler Flats Light	08/04/09							
5	Hadley Harbor Entrance Daybeacon	07/02/07							
6	☐ Handy Point Shoal Buoy 13	07/02/07							
7	□ Lake Tashmoo East Jetty Light 07/02/07								
8	□ Lake Tashmoo Buoy 4	10/18/07							
9	□ Lagoon Pond Buoy 2	10/18/07							

Aid Established	6/26/2008 Cutts,H.	14090.00	260	Allen Harbor Entrance Buoy 1	41-39- 19.30 N	070-05- 01.60 W	FL	II	01- 41948	THOMAS LEACH	508-430- 7532	Harwich, MA
Aid Established			261	Allen Harbor Entrance Buoy 2	41-39- 19.000N	070-05- 00.000W	FL	п	01- 41948	THOMAS LEACH	508-430- 7532	Harwich, MA
Established	6/26/2008 Cutts,H			Allen Harbor Entrance Buoy 3	41-39- 00.000N	070-05- 19.000W	FL	п	01- 41948	THOMAS LEACH	508-430- 7532	Harwich, MA
Aid Established	6/26/2008 Cutts,H.	14105.00	263	Allen Harbor Entrance Buoy 4	41-39- 34.000N	070-05- 17.000W	FL	п	01- 41948	Thomas Leach	508-430- 7532	Harwich, MA
Aid Established	Cutts,H.	14110.00	264	Allen Harbor Entrance Buoy 5	41-39- 28.000N	070-05- 14.000W	FL	П	01- 41948	THOMAS LEACH	508-430- 7532	Harwich, MA

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20. Reporting a PATON Verification on the Web-Based PATON System.

a. ____ Using the WEB-BASED USCG AUXILIARY AV PATON REPORT 5474 below, simulate a PATON verification and enter the data for reporting the verification of a private aid on the Web-Based PATON System report.

You are logged on as **YOUR NAME**.

PRIVATE AIDS TO NAVIGATION FOR - CG ANT BOSTON

USCG AUXILIARY AV PATON REPORT 5474

SECTION I - PATON SPECIFICATION and OBSERVER'S INFORMATION

	BRAINTREE YACHT CL	UB CHANNEL	BUOY 38C
+			
		PERMITTED	OBSERVED
	PATON NUMBER:	28935	
	PATON TYPE:	FL	select one
	LIGHT LIST NUMBER:	11795.00	
	DEPTH:	3-13' FT.	ft.
	HEIGHT OF TIDE:		ft.
	LATITUDE	42-13-39.54N	Latitude N N S *
	LONGITUDE	070-57- 40.32W	Longitude © W C E*
	AID LOCATION:	Braintree	*
	LOCATION VERIFIED BY:		GPS ▼
	LIGHT CHARACTERISTIC:	(Flash Length: n/a Color: Red	select one Light Color:
	AID CLASS:	II	
	SOUND SIGNAL TYPE		select one
	BOUY MATERIAL	n/a	Wood Metal Plastic
	STRUCTURE MATERIAL	n/a	Wood Metal Other
	OPCON	01-41949 -	

<u>⊕</u>				
PATON USE:	Mark Channel			
PATON WILL BE OPERATED:	Temporarily			
DATE LAST REPORTED:	28-Jul-2009			
TIME WHEN VERIFIED:				
(HH:MM)	20:02			
DATE OBSERVED:	*			
DATE REPORTED:	*			
THE OBSERVATIONS OF THIS PATON MATCH THE				
ENTRY IN THE LIGHT LIST				
THE PATON'S PERMITTED RECORD, AND THE ENTRY	° YES NO∗			
FOR THIS PATON ON ITS NAUTICAL CHART.:				
PATON complies with the	· YES			
IALA-B ATON System	C NO *			
AID IS WATCHING	• YES NO*			
PROPERLY:	TES NO			
SECTION II - D	DESCRIPTION OF DEFICIENCY			
Check off the discrepancies the	hat you observed:			
PATON is off station.				
PATON is not marking best wa	ater.			
PATON is adrift, missing, or ca	apsized.			
PATON is sinking. stranded, or	r submerged.			
PATON is damaged by vessel of	collision.			
PATON has been vandalized.				
Extensive bird fouling is compromising the color of a lateral PATON.				
Peeling paint is compromising				
Retro material is missing, peen				
All numbers are missing on a la	ateral PATON			

Numbers missing, damaged, or wrong color.

_	Improper light characteristics on a lateral PATON.			
_	Light is obscured or extinguished on a lateral PATON.			
	Lantern is damaged.			
	Solar panel is damaged or incorrectly oriented.			
	Battery pack is damaged or missing.			
	Light is burning dim or showing reduced intensity.			
	Missing vent valve on lighted PATON.			
	Light is obscured by dayboard.			
	Dayboards missing or damaged.			
	Dayboards are faded so that they compromise the color of a lateral PATON.			
	Delaminated dayboards.			
	Dayboards are obscured by foliage or other objects.			
	Improper dayboards per data shown on PATON report or the Light List.			
	Sound signal failure. Show details in COMMENTS.			
	Tappers on sounding PATON are missing.			
	Radio Beacon off the air or emitting the wrong signal.			
	RACON is off the air.			
	Structure leaning more than 15 degrees.			
	Extensive deterioration and/or rotting members on a structure.			
	Other, show comments section for details.			
SECTION III - COMMENTS				
	A A A A A A A A A A A A A A A A A A A			
	SECTION IV - AUXDATA INPUT (7030)			
A	ne Started			
	ne Completed			

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	as PATON activity part of horized patrol?	C _{YES} C _{NO}
aut	nonzoa pauor:	
Vei	rified by	(Last Name,
		Initials)
Me	ember ID Number	
Pho	ona	(Available
FIIC	one	during business hours)
Em	nail address	
Đi	vision	
Ele	o tilla	
SO	/IS-Email address	
	GE CENTON:	ALL OWNER CONTINUES OF PETAL V. C.
200		V - OWNER CONTACT DETAILS
POC		
	ress:	
	nil: Captrich@Beld.Net	
Phoi	ne: 781-843-8601	
	SECTION VI - 1	HARBORMASTER CONTACT DETAILS
Harl	bormaster: Braintree, MA	IN MEDICAL MEDICAL CONTINUE DE L'IMES
	nil: Captrich@Beld.Net	
Phor	ne: 781-843-8601	
	O, O,	transmitting three (3) PATON 7054 Verification
epo	orts on the Web-Based	d PATON System to the CG.
a.	Contact an AVQ to	monitor your three PATON Verifications.
	i. Note that PATO	N verifications must be performed between April 15 a
	November 15 eac	· ·
	ii. Use the AVQ's lo	og on to make your reports on line.
ISC	Training Requireme	ents:
a.	Complete ICS 100	Training that is available on line on the District 1 NR W
	Site.	
h	Complete ICS 700	
υ.	complete res 700	Training that is available on line on the District 1 NR W
0.	Site.	Training that is available on line on the District I NR W

that your AUXDATA qualification info can be updated to your personnel record.

23.	Review of the Federal Regulations for Bridges.		
	a Download and read the "NS-BP02 Auxiliary Bridge Program Training		
	<u>Manual.</u> "		
	b Download and read "NS-BP02 - How to Conduct a Bridge Survey."		
	c Download and read "NS-BP03 – 33CFR 117 Bridges."		
	d Review the procedure for reporting a bridge using the Bridge Database System.		
24.	Complete the Open-Book AV Exam.		
	a Request a copy of the final AV Exam from your AVQ. A passing grade of 96% is required (24 out of 25). 20 questions are on the PATON System and 5 questions refer to the Bridge Program.		

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GLOSSARY OF AV TERMINOLOGY

ADSO Assistant District Staff Officer.

ANT ATON Team. This name is followed by a location:

Boston, Bristol, Portland, Woods Hole and SWH.

AOR Area of Responsibility.

ATON Aid to Navigation.

AV ATON Verifier

AVC ATON Verifier Candidate.

AVQ ATON Verifier Qualifier.

BM(#) Boson Mate. The number suffix indicates the class of Petty Officer. BMs

are the Coast Guard's operational personnel for vessels.

CFR Code of Federal Regulations.

CGD1 Coast Guard District 1—properly written as "First Coast Guard District."

Coxswain Coast Guard person in charge of a small boat.

DGPS Differential Global Positioning System.

DSO-NS Auxiliary, District Staff Officer - Navigation Systems

EPE Estimated Position Error.

FSO-NS Flotilla Staff Officer – Navigation Systems.

GPS Global Positioning System.

HDOP Horizontal Dissolution of Precision.

IALA International Association of Lighthouse Authorities.

KNOTS Nautical Miles per Hour.

LNM Local Notice to Mariners.

MPH Miles per Hour—normally refers to statute miles.

NOS National Ocean Service

OINC or OIC Officer in Charge.

OTO Assistant Director of Auxiliary, Operations and Training Officer.

PATON Private Aid to Navigation.

QM (#) Quarter Master. The number suffix indicates the class of Petty Officer.

QMs are the Coast Guard's navigation and signaling personnel.

SO-NS Division Staff Officer – Navigation Systems.

USACE United States Army – Corps of Engineers.

USC United Stated Code.

WAAS Wide Angle Augmentation System

XPO Executive Petty Officer.

XTE Cross Track Error.