Web-Based Private Aid to Navigation System

The production of a Study Guide for the PATON System was delayed pending a series of upgrades to standardize the fields on the program screens and to make the overall system more user friendly. To this date, these upgrades have not happened. This *interim* study guide is provided to document the system as it currently exists and to provide a series of work-arounds to insure that the correct data is being observed and reported by each AV.

In the meantime, we continue to press for the system upgrades. The upgrades will be published as they are completed and made available for general usage. This guideline is available on the PATON Web-Page of the D1AN Web Site at www.uscgaan.com You and encouraged to start reporting the PATONs in your AOR as soon as possible.

If you have any questions, forward them to the DSO-AN at FrankJLarkin@verizon.net. The DSO-AN receives copies of each PATON Verification Report submitted within the District, which are reviewed. AVs will be contacted whenever any problems are noted. This is an on-the-job training service for the AVs in order that we all meet the District AN goals of accuracy, credibility and professionalism.

Any Division that needs specific training on the Web-Based PATON System and any assistance with the set up of their PATON Program should contact their ADSO-AN. A complete review of the PATON System procedure should take no more than one-hour to present. It is a perfect addition to a Division Meeting. Additional instruction of the specifics of the types of discrepancies that can be found on any aid to navigation would require an additional hour or more. There are study guides, copies of forms and worksheets and many PowerPoint training presentations on the D1NR Web Site at www.uscgaan.com for self study and review.

Section 1 – USER ACCESS TO THE WEB-BASED PATON SYSTEM

All system users are required to log on to the Web-Based PATON System. This logon is just the first step. Access to this system is authorized by the Department Prevention Waterways (DPW), Private Aid to Navigation Manager.

SYSTEM LOGON - Using the Internet, log on to **www.usharbormaster.com.** The screen shown in Figure 1 below will appear. If you are a pre-registered and approved user, enter your **Username** and **Password,** then click on "OK." You will be able to view the Private Aids to Navigation as follows:

- PATON Owners will be able to view only the PATONs that they own.
- Harbormasters will be able to view only those PATONs under their jurisdiction.
- ANTs and Auxiliarists will be able to view only those aids located in their AOR.

USER LOGON SCREEN

PATON – PRIVATE AIDS TO NAVIGATION SYSTEM

User Login

If you are a registered user, please login below

Otherwise use the Registration Form

(20) Username: [   ]

(21) Password: [   ]

[OK]

HOW TO REGISTER – If you are not a pre-registered and approved user, click on the words "**Registration Form**" to initiate the PATON System registration process. The Figure 2 – "PATON REGISTRATION SCREEN" will appear. Complete this form as follows:

NAME – These are Required fields - Enter your **(7)** first name and your **(8)** last name in the two fields provided.

ORGANIZATION **(9)** – This is an optional field.
        Harbormaster – Enter the name of the municipality to which you are attached.
        Owner – Enter the legal name of your Corporation.
        Military – Enter the official name of your organization.
        UCG Auxiliary – Enter "USCG Auxiliary."

TYPE OF USER **(6)** – This is a Required field - Select one of the options from the drop-down menu:
        Harbormaster – You are the waterway administrator for a municipality.
        Private – You are a PATON Owner. Or, you are not a Harbormaster or a member of the USCG Auxiliary,
        USCG Auxiliary – You are a member of the USCG Auxiliary.

USER REGISTRATION SCREEN

PATON SYSTEM USER REGISTRATION

- Indicates required fields

Name*   __(7)_____   (8)_____

Organization *   (9)   _____

Type of User*   (6)   ___ Harbormaster ___ Private Citizen ___ USCG Auxiliary

Address*   (10)   _____

City*   (11)   _____

State*   (12)   ____

Zip*   (13)   _____

Email Address*   (14)   _____

~~Text Messaging Email~~   (15) **(Do not enter data in this field)**

Work Phone* (16)   _____

Cell Phone   (17)   _____

~~Cell Phone Service Provider~~ (18) **(Do not enter data in this field)**

Fax Number*   (19)   _____

~~What USCG station are you affiliated with?~~   **(Do not enter data in this field)**

Username*   (20)   _____

Password*   (21)   _____

USCG AUXILIARY ADDITIONAL FIELDS:

~~ID Number~~   (22)   _____

Division   (23)   ____

Flotilla   (24)   ____

~~Email Address~~   **(14) (Duplicated, delete)**

_____

SUBMIT REGISTRATION

*Indicates required fields.

ADDRESS **(10)** – This is a required field. Enter your business mailing address.

CITY **(11)** – This is a required field. Enter the name of the City where you are located..

STATE **(12)** – This is a required field. Select the two-letter abbreviation of the State where you are located from the drop-down menu

ZIP **(13)** – This is a required field. Enter the Postal Zip Code where you are located.

E-MAIL ADDRESS **(14)** – This is a required field. Enter you e-mail address. All communications on the PATON System are normally performed by the Internet.

~~TEXT MESSAGING E-MAIL ADDRESS~~ **(15)** – This is an optional field. *DO NOT ENTER DATA IN THIS FIELD.*

WORK PHONE **(16)** – This is a required field. Enter the full number for the phone where you can be reached during normal business hours.

CELL PHONE **(17)** – This is an optional field. If available, enter your cell phone number.

~~CELL PHONE SERVICE PROVIDER~~ **(18)** – This is an optional field. *DO NOT ENTER DATA IN THIS FIELD.*

FAX NUMBER **(19)** – This is a required field. If available, enter your fax number. If you do not have a FAX, enter "NA."

~~WHAT USCG STATION ARE YOU AFFILLIATED WITH?~~ – This is an optional field. *DO NOT ENTER DATA IN THIS FIELD.*

USERNAME **(20)** – This is a required field. The data that you put in this field will be part of your access code. Keep it simple and write it down so that you will not forget it. If you are authorized as a user, you will receive an e-mail referencing this code.

PASSWORD (**21**) – This is a required field. The data that you put in this field will be part of your access code. Keep it simple and write it down so that you will not forget it. If you are authorized as a user, you will receive an e-mail referencing this password.

USCG AUXILIARY ADDITIONAL FIELDS – When you select USCG Auxiliary as the "Type of User," these additional fields will appear:

~~ID NUMBER~~ **(22)** – *DO NOT ENTER DATA IN THIS FIELD.*

DIVISION **(23)** – Enter your two-digit Division Number. Division 05 should appear as "05."

FLOTILLA **(24)** – Enter your two-digit Flotilla number. Flotilla 03 should appear as "03

~~E-MAIL ADDRESS~~ **(14)** – Duplicate - *DO NOT ENTER DATA IN THIS FIELD.*

When you click on "**Submit Registration**," a message is transmitted to the DPW Private Aid to Navigation Manager who has the responsibility to reviewing your request and activating you as a user for the Private Aid to Navigation System. You will receive an E-Mail notification that you have been approved and showing your **Username** and **Password**.

AUTHORIZATION – The DPW Private Aid to Navigation Manager reviews requests for access to the PATON System and authorizes users using three additional fields that appear for all "HQ" users.

OPCON ASSIGNMENT **(1)** - User with "HQ" LOGON can change this field. Field is menu controlled. This assignment limits user access to specific PATONS managed by a CG ANT in the First District.

> **CG ANT S West Harbor**
> **CG ANT South Portland**
> **CG ANT Woods Hole**
> **CG ANT Boston**
> **CG ANT Bristol**
> **CG ANT New York**
> **CG ANT Saugerties**
> **CG ANT Long Isl Sound**
> **CG ANT Moriches**

TYPE OF USER **(6) -** User with "HQ" LOGON can change this field. Field is menu controlled.
Control entry with a drop-down menu, as follows:

        OWNER – System view is limited to only the PATONs that are owned.
        POC
        LOCAL AUTHORITY
        USCGAUX
        CG UNIT
        USCG

ACCESS TYPE **(25)** - User with "HQ" LOGON can change field. Entry controls amount of system capability and access that the system will allow the user, as follows:

        HM – Access limited to those PATONs linked to the harbormaster.
        AUX – Access limited to OPFAC assignment. Can perform PATON verifications.
        ANT – Access limited to OPFAC assignment. Has additional capability for contacting PATON owners,
        HQ – Has complete access to correct and change everything on a User Registration Record.
        PRIVATE – Access limited to those PATONs linked to the owner.

DISABLED **(26)** – User with "HQ" LOGON can change field. User record is disabled. User cannot access the PATON System.

2554 – APPLICATION EDIT REPORT

2554 – Application Edit Record
[UPDATE LL NAME] [UPDATE WITHOUT STATUS CHANGE]

(2)LLNR:	12130.00
(3)AID NUMBER	125
(4)AID NAME	ALLERTON HARBOR LIGHTED BUOY 2
(5)CLASS	II
(27)AID TYPE	_x_ Floating ___ Fixed
(7)FIRST NAME*	KURT
(8)LAST NAME*	BORNHEIM
(9)ORGANIZATION	Hull Harbormaster
(16) WORK PHONE	781-925-0316
(39)LAT	42-17-56.400 N
(40)LON	070-53-17.160 W
(14)Email Address	kbornheim@comcast.net
(28)Chain Length	25
(29)Depth at DATUM	20
(30)Mooring Size/Weight	200
(64)Suggested Aid Name	ALLERTON HARBOR LIGHTED BUOY 2
(31)Aid Purpose	MARK CHANNEL [Menu]
(32)Light Characteristic	Fl [Menu]
(34)~~Flash Length~~ Light Period	4s
(33)Light Color	RED [Menu]
(36)Light Manufacturer	
(35)Light Candle Power	
(37)Light Height	4 FT.

(38)Sound Signal   _____[Menu]

(41)Buoy Material   Foam   [Menu]

(42)Structure Material   _____[Menu]

(66) Aid Structure   _____[Menu]

(43)Action Requested   Establish Seasonally   [Menu]

(44)Aid Duration   5/15 to 9/30

(45)Aid Necessity   _____

(46)~~Aid~~ General Locality   Allerton Harbor, Hull MA

(47)USACE PERMIT

(48)REMARKS

OK	RESET FORM	CANCEL

USCG AUXILIARY AV PATON REPORT - 7054

Once approved, when you logon to the Web-Based PATON System, the "**Private Aids to Navigation for CG ANT _____**" appears. This screen provides access to all of the PATONs (Private Aids) managed by the CG ANT to which you are affiliated when you registered on the system. The ANT affiliation is listed at the top of the screen.

SCREEN 5 - PRIVATE AID TO NAVIGATION SCREEN

PRIVATE AIDS TO NAVIGATION FOR ANT _____

STATUS   ALL
                     AID NAME
SEARCH BY: _____

| SEARCH |

www You are logged on as "_____" [Log Off]

View all PATON records

Entire inspection check out list.

Checked out Aids:

| CHECK OUT | | RESET / CLEAR |

1 __ Duxbury Bay Beach Channel Buoy 7   06/27/07 **(Reference A)**

The screen shows:
- Your CG ANT affiliation. i.e. Boston , Bristol, Woods Hole, etc.
- Your "Username" after the phrase, "You are logged on as:"
- All of the PATONs that have not been verified per national guidelines. **(Reference A)** There are normally multiple aids listed in this section.
    - Class I PATONs – annually
    - Class II PATONs – every three years,
    - Class III PATONs – every three years.

The aids listed in Reference A above are the PATONs that are scheduled to be verified during the current season. Unless instructed otherwise by your CG ANT, verify these PATONs.

In AORs that strictly follow the national guidelines, check out the PATONs that you plan to verify by clicking on the small square beside the PATONs name. All of the PATONs for your CG ANT that have not been verified per the national guidelines and have not been checked out appear in this section.

Each aid that you select will appear in the section, "Checked out Aids." This allows you two weeks to perform a verification on the PATON. Failure to report a verification in the two-week time interval will cause the PATON to reappear on this list. While you still may submit a verification report on the PATON, another AV may also report.

Focus your verification efforts on the PATONs listed on this report.

In AORs that have special verification requirements, click on "*View all PATON records*." Some ANTs require that all lateral PATONs be checked on an annual basis. The system will present a list of all PATONs managed by the CG ANT, sorted in alphabetical order. The column named "Inspected" shows the name of the AV and the date when the PATON was last verified. Disregard lateral PATONs that have already been verified during the current boating season.

STATUS	INSPECTED	LLNR	AID #	AID_NAME	LAT	LON	TYPE	CLASS	UNIT	ANT	OWNER NAME	PHONE	LOCAL AUTH.	DISCREPANCY REPORT
Aid Established	6/14/2008 Frank Larkin	12154.00	200100675887	ALLERTON HARBOR BUOY 10	42-18-18.300N	070-53-26.220 W	FL	II	01-41949		KURT BORNHEIM	781-925-0316	Hull, MA	Submit Discrepancy report
Aid Established	6/14/2008 Frank Larkin	12135.00	126	ALLERTON HARBOR BUOY 3	42-18-06.900 N	070-53-15.480 W	FL	II	01-41949		KURT BORNHEIM	781-925-0316	Hull, MA	Submit Discrepancy report
Aid Established	6/14/2008 Frank Larkin	12140.00	127	ALLERTON HARBOR BUOY 4	42-18-07.140 N	070-53-14.780 W	FL	II	01-41949		KURT BORNHEIM	781-925-0316	Hull, MA	Submit Discrepancy report
Aid Established	6/14/2008 Frank Larkin	12145.00	128	ALLERTON HARBOR BUOY 5	42-18-12.18.000N	070-53-17.280 W	FL	III	01-41949		KURT BORNHEIM	781-925-0316	Hull, MA	Submit Discrepancy report

Alternative formats can be printed for use while on-scene verifying the PATON. Click on the "**Aid Name**" for the short form (CG 2554 Application Edit Record) or click on the "**Submit Discrepancy Report**" to print out the long form. You also have the option to print the complete summary list of PATONs within the AOR.

2554 – APPLICATION EDIT REPORT

2554 – Application Edit Record

[Discrepancy report]

(2)LLNR:	12130.00
(3)AID	125 **(This is the correct Aid Number)**
(4)AID NAME	ALLERTON HARBOR LIGHTED BUOY 2
(27)TYPE	_x_ Floating ___ Fixed
(1)OPFAC	41949
UNIT RESPONSIBILITY	ANT Boston
(7)FIRST NAME*	KURT
(8)LAST NAME*	BORNHEIM
(9)Your Organization	Hull Harbormaster
(16) PHONE	781-925-0316
(5)CLASS	II
(39)LATITUDE	42-17-56.400 N
(40)LONGITUDE	070-53-17.160 W
(28)Chain Length	25
(29)Depth OF WATER (AT DATUM)	20
(30)Mooring Size/Weight	200
(64)Suggested Aid Name	ALLERTON HARBOR LIGHTED BUOY 2

(31)Aid Purpose	MARK CHANNEL
(32)Light Characteristic	
(34)Flash Length	4s
(33)~~Aid~~ Light Color	RED
(35)~~Light Candle Power~~	
(37)~~Aid~~ Light Height	4 FT.
(41)Buoy Material	Foam [Menu]
(66) Aid Structure	_____[Menu]
(43)Action Requested	Establish Seasonally [Menu]
(44)Aid Duration	5/15 to 9/30
(45)~~Aid Necessity~~	_____
(46)Aid General Locality	Allerton Harbor, Hull MA
(47)~~USACE~~ ~~PERMIT~~	

The red numbers reference the Field Definitions that can be found after the "USCG Auxiliary AV PATON Report – 7054" below.

USCG AUXILIARY AV PATON REPORT 7054

The principal job for an AV PATON Report is to notate all observed changes to the permitted specifications for the PATON and to list all observed discrepancies. Below are a list of the fields on the report with instructions for entering your observations. Note that the permitted specification appear on the report as a reference. Most times, this is how the PATON records are corrected.

Do not enter any observation on any fields that is observed as correct. Only show data in a field when it is observed as discrepant.

There are some problems with the existing report. The work around procedures are explained in red. We are working on getting these fields corrected.

USCG AUXILIARY AV PATON REPORT 7054

SECTION I - PATON SPECIFICATION and OBSERVER'S INFORMATION

ALLERTON HARBOR LIGHTED BUOY 2

	PERMITTED	**OBSERVED**

PATON NUMBER (4)   125   **(System is currently showing the wrong PATON Number)**

PATON TYPE (27)   FL   - - Select one –[Menu] **(Menu is in error, see special instructions in the Field Definition section below)**

LIGHT LIST NUMBER (2)   12130.00   **(Do not submit changes to this field)**

DEPTH AT DATUM (29)   20 FT.   _____

HEIGHT OF TIDE (55)   _____

LATITUDE (39)   42-27-56.400 N   ____ ____ _____ Latitude __ N __ S

LONGITUDE (40)   070-53-17.160 W   ____ ____ _____ Longitude __ N __ S

AID LOCATION (46)   ALLERTON HARBOR _____

LOCATION VERIFIED BY (56)   _____[Menu]

LIGHT CHARACTERISTIC (32)   Fl   _____[Menu] **Menu is in error, see special instructions in the Field Definition section below)**

LIGHT PERIOD (34)   **(If the aid is lighted, show in Comments Section)**

LIGHT COLOR (34)   **(If the aid is lighted, show in Comments Section)**

HEIGHT OF LIGHT (37)   **(If the aid is lighted, show in Comments Section)**

AID CLASS (5)   II

SOUND SIGNAL TYPE (38)   _____ [Menu]

BUOY MATERIAL (41)   __ Wood __ Metal __ Plastic __ Foam – Other _____

STRUCTURE MATERIAL (42)   __ Wood __ Metal Other _____

STRUCTURE TYPE (66)   **Indicate the type of structure in the Comments Section.**

OPCON (1)   01-41949 CG ANT BOSTON

PATON USE (31)   Mark channel [Menu]

PATON WILL BE OPERATED: (44)   5/15 to 9/30

DATE LAST REPORTED: (57)   14-AUG-2006

TIME WHEN VERIFIED "hh:mm"(58) _____

DATE OBSERVED: (59)   _____

DATE REPORTED: (60)   _____

(THE OBSERVATIONS ON THIS PATON
MATCH THE ENTRY IN THE LIGHT LIST,
THE PATON'S PERMITTED RECORD, AND (61) ____ YES ___ NO
THE ENTRY FOR THIS PATON ON ITS
NAUTICAL CHART.

PATON complies with the IALA-B ATON System. (62)   YES ___ NO

AID IS WATCHING PROPERLY (63)   ____ YES ____ NO

SECTION II – DESCRIPTION OF DEFICIENCY

Check off the discrepancies that you observe.

___ PATON is off station.
___ PATON is not marking the best water.
___ PATON is adrift, missing or capsized.
___ PATON is sinking, stranded or submerged. (Photo)
___ PATON is damaged by vessel collision. (Photo)
___ PATON has been vandalized. (Photo)
___ Extensive bird fouling is compromising the color of a lateral PATON. (Photo)
___ Peeling is compromising the color of a lateral PATON. (Photo)
___ Retro material is missing, peeling or inadequate. (Photo)
___ All numbers are missing on a lateral PATON. (Photo)

___ Numbers missing, damaged or the wrong color. (Explain in Remarks)
___ Improper light characteristics on a lighted PATON.
___ Light is obscured or extinguished on a lateral PATON.
___ Lantern is damaged. (Photo)
___ Solar panel is damaged or oriented incorrectly. (Photo)
___ Battery pack is damaged or missing. (Photo)
___ Light is burning dim or showing reduced intensity.
___ Missing vent valve on lighted PATON. (Photo)
___ Light is obscured by dayboard. (Photo)
___ Dayboard is missing or damaged. (Photo)
___ Dayboards are faded so that they compromise the color of a lateral PATON. (Photo)
___ Delaminated dayboards. (Photo)
___ Dayboards are obscured by foliage or other objects. (Photo)
___ Improper dayboards per data shown on PATON report or Light List. (Photo)
___ Sound signal failure. Show details in Comments.
___ Tappers on sounding PATON are missing. (Photo)
___ Radio beacon off the air or emitting the wrong signal.
___ RACON is off the air.
___ Structure is leaning more that 15 degrees. (Photo)
___ Extensive deterioration and/or rotting members on a structure. (Photo)
___ Other, show comments section for details.

SECTION III – COMMENTS

SECTION IV – AV SECTION

(67)Verified by: _____
(16)Phone: _____
(14)Email Address: _____
(23)Division   _____
(24)Flotilla   _____

SUBMIT PATON REPORT

Field Definitions

SECTION I - PATON SPECIFICATION and OBSERVER'S INFORMATION

(4)PATON NAME – The name of the PATON appears on the report. No action is allowed. Note any problems may be explained in Section III Comments on your report.

(3)<u>PATON NUMBER</u> – The PATON Number from the CG I-ATONIS System appears in this field as a reference only. **Note that currently this field is not displaying the correct Aid Number.**

(27)<u>PATON TYPE</u> – When incorrect, indicate the observed PATON Type from the drop down menu.

      FL means a Floating Aid

      FX means a Fixed Aid.

   NOTE: The Menu provided is currently in error. Unfortunately, it does not reflect the data in the record and it has a required status. Select ULB for unlighted buoys, LB for lighted buoys, LT for a light and DBN for daybeacon.

(2)<u>LIGHT LIST NUMBER</u> – The Light List Number for the PATON appears in this field as a reference only. **Do not enter any data in this field.**

(29)<u>DEPTH **(**<u>AT DATUM</u>**)**</u> – Compute the Depth at DATUM as part of your observation, as follows:

<div style="border:1px solid black; padding:8px; background:#eef0e0;">

To Compute Depth at Datum:

Observed Depth – reading from your echo sounder.

  PLUS   **Correction for the transducer** [The distance from the transducer to the waterline.]

  MINUS   **Height of Tide** [Take from the Almanac Screen on your GPS as your read the echo sounder]

  EQUALS   **DEPTH** (at Datum)

</div>

If the depth at datum is reasonably close to the permitted depth, do not report it. **Show the model number and manufacturer's name of the echo sounder in Section III Comments on your report. Also indicate how you calibrated the echo sounder to ensure that it is operating correctly. Once the permitted depth is corrected, the annual depth check should not change year-to-year unless the aid is moved.**

(55)<u>HEIGHT OF TIDE</u> – Enter the Height of Tide in feet for the time when the depth was observed. **Reference the height of tide from the almanac screen on your GPS. Be sure that you have set the closest <u>Tidal Substation</u> on your almanac screen.**

(39) <u>LATITUDE</u> – When the observed latitude is significantly different from the permitted latitude or when the latitude is missing, enter the observed latitude in this field. Otherwise, leave this field blank as indication that there was no change. **Enter in degrees, minutes and seconds. i.e., 43-45-23.50N. Latitude should not change year-to-year unless the aid was reset off-station or it was moved by the elements.**

(40)<u>LONGITUDE</u> - When the observed longitude is significantly different from the permitted longitude or when the longitude is missing, enter the observed longitude in this field. Otherwise, leave the field blank as indication that there was no change. **Enter in degrees, minutes and seconds. i.e., 070-56-01.60W. Longitude should not change year-to-year unless the aid was reset off-station or it was moved by the elements.**

(46) <u>AID LOCATION</u> – When the Aid Location is erroneous, enter the observed Aid Location in this field. Otherwise, leave it blank. ***Don't be picky!***

(56)<u>LOCATION VERIFIED BY</u> – Select an option from the drop down menu:

      GPS – You are using a regular GPS set that doesn't have WAAS or DGPS enabled.

      WAAS – WAAS is available and enabled on the GPS set in use.

      DGPS – You are using a DGPS system.

Always show the Manufacturer's name and model number of your GPS in Section III Comments along with the EPE-Estimated Position Error or HDOP-Horizontal Dilution of Position reading from your set at the time when you took the fix. Also indicate how you pre-calibrated your GPS and whether it was operating in 3D or 3D Differential when the fix was taken. This information adds great credibility to your report.

(32)<u>LIGHT CHARACTERISTIC</u> – **NOTE: This field is currently showing the wrong menu. When the PATON is lighted and the light characteristic is missing or erroneous, select the**

correct light characteristic from the menu below and reference it in the Secrion III - Comments on your report.

F	Fixed
Fl	Flashing
Q	Quick Flashing
VQ	Very Quick Flashing
IQ	Interrupted Quick Flashing
ISO	Isophase
Grp Fl (X+X)	Group Flashing
AL	Alternating
Mo	Morse Code

Other, explain in the Comments Section.

(34)LIGHT PERIOD – When the PATON is lighted and the light period is missing or erroneous, enter the correct light period for the PATON in seconds in the Section III Comments on your report.

(33)LIGHT COLOR – When the PATON is lighted and the light color is missing or erroneous, select the observed light color from the menu as a reference in the Section III Comments on your report.

Red
Green
White
Yellow

These three information fields can be reported with a simple expression. i.e., a flashing red lights every 6 seconds could be expressed as "Fl R 3s."

(37) HEIGHT OF LIGHT – **When the aid is lighted and the height of the light is missing or erroneous, enter the observed height of the light, as a reference in Section III Comments on your report.**

Lighted Floating Buoys – **measure up from the waterline to the focal plan of the light – the light bulb not the extreme top of the aid.**

Fixed Aids – **Measure up from MHW-Mean High Water to the focal plan of the light.**

Since it is virtually impossible to measure the height of the light without actually climbing on the aid, which is strictly forbidden by the Coast Guard, always reference your heights as estimates. (i.e., EST 4 feet in height.)

(5)CLASS – This is a reference field only. Aid Class is assigned by DPW.

(38)SOUND SIGNAL TYPE – When the aid is permitted with a sound signal and the sound signal is missing or erroneous, select the observed sound signal from the drop down menu. Include a photo as evidence of your observation.

Bell
Gong
Horn
Whistle
Electronic

(41)BUOY MATERIAL – When the aid is permitted as Floating and the buoy material reference is missing or erroneous, enter the observed material by checking the appropriate box:

Wood
Metal
Plastic
Foam
Other _____

(42)<u>STRUCTURE MATERIAL</u> – This is a required field. When an aid is permitted as Fixed and the structure material reference is missing or erroneous, select the observed material by checking the appropriate box:

      Wood
      Metal
      Other _____
      N/R

(66) <u>STRUCTURE TYPE</u> **– When an aid is permitted as Fixed and the aid structure is not defined or erroneous, select the aid structure from this menu and reference it in Section III Comments on your report.**

      Single Pile
      Multi-pile
      Dolphin
      Tower
      Other _____
      N/R

(1)<u>OPCON</u> – The CG ANT that manages the PATON is referenced in this field.

(31) <u>PATON USE</u> – The permitted use of the PATON is referenced in this field.

(44) <u>PATON WILL BE OPERATED</u> – This is a required field. When the PATON is permitted as seasonal6to be operated is referenced in this field. Verify this information to data printed in the Light List.

(57)<u>DATE LAST REPORTED</u> – The date when the PATON was last verified is referenced in this field.

(58)<u>TIME WHEN VERIFIED</u> – This is a required field. Enter the time using the 24-hour clock when you verified the PATON. Use hh:mm format.

(59)<u>DATE OBSERVED</u> – This is a required field. Enter the date when you verified the PATON.

(60)<u>DATE REPORTED</u> – This is a required field. Enter the date when you submitted the PATON Verification Report.

(61)<u>THE OBSERVATIONS OF THIS PATON MATCH THE ENTRY IN THE LIGHT LIST,THE PATON'S PERMITTED RECORD, AND THE ENTRY FOR THIS PATON ON ITS NAUTICAL CHART.</u> – This is a required field. Respond with either a YES or a NO. When the PATON is neither listed in the Light List nor charted on a NOAA chart, check NO and explain in Section III Comments.

(62)<u>PATON complies with the IALA-B ATON System</u> – This is a required field. Respond with either a YES or a NO. The PATON may comply with the permitted specification but still not comply with IALA-B specifications in which case you would answer NO. i.e. A red barrel would not comply with IALA-B specifications. IALA-B specifications only relate to lateral aids to navigation.

(63)<u>AID IS WATCHING PROPERLY</u> – This is a required field. An Aid is watching properly only when the AV has not observed any permitted specification errors, nor checked off any discrepancies in Section II below, nor found any documentation errors in the Light List or on the NOAA Chart.

SECTION II – DESCRIPTION OF DEFICIENCY

Check each discrepancy that is observed. Note the indication that a photo is suggested for some of the discrepancies. Photos greatly assist the ANY Chief to make better decisions about reported discrepancies. Photographic evidence of your observations is an important part of your credibility as an AV. Explain any complicated discrepancies in Section III Comments on your report.

SECTION III – COMMENTS

Always show the Manufacturer's name and model number of your GPS in the Comments Section along with the EPE-Estimated Position Error or HDOP-Horizontal Dilution of Position reading from your set when you took the fix. Also indicate how you pre-calibrated your GPS and whether it was operating in 3D or 3D Differential when the fix was taken. This information adds great credibility to your report.

Always show the model number and manufacturer's name of the echo sounder in the comments. Also indicate how you calibrated the echo sounder to ensure that it was operating correctly.

Include any explanations that will improve the clarity and credibility of your observations. Copy this statement, change the underlined data to reflect your experience, and paste it in the comments section of your PATON Report.

> **"LAT/LON was checked with a <u>GPS 76</u> by <u>Garmin</u> with <u>WAAS enabled</u> showing an <u>EPE</u> of <u>6.7 feet</u>. GPS was pre-calibrated against a charted object. GPS was operating in 3D Differential when fix was taken. Depth was taken using a <u>Wide 100 echo sounder by Hummingbird</u>. The echo sounder was pre-calibrated with a <u>lead line</u>. Depth was corrected by <u>0.8 feet</u> for the location of the transducer and for the height of tide."**

SECTION IV – AUXDATA INPUT (7030)

Note: The AUXDATA INPUT section of this report does not work at this time. You must submit a separate 7030 Activity Report – Mission Individual to your SO-IS in order to get credit for your ATON activity,

~~TIME STARTED~~ – DO NOT ENTER DATA IN THIS FIELD.

~~TIME COMPLETED~~ - DO NOT ENTER DATA IN THIS FIELD.

~~Was PATON activity part of an authorized patrol?~~ - DO NOT ENTER DATA IN THIS FIELD.

<u>VERIFIED BY</u> **(67)** – Enter your Last Name and initials.

<u>PHONE</u> **(16)** – Enter the phone number where you can be reached during normal business hours.

<u>E-MAIL ADDRESS</u> **(14)** – Enter your E-mail address.

<u>DIVISION</u> **(23)** – Enter your two-digit Division Number. Division 1 would be entered as 01.

<u>FLOTILLA</u> **(24)** – Enter your two-digit Flotilla Number. Division 5 would be entered as 05.

When you click on "<u>Submit PATON Report</u>" your report is transmitted immediately to the ANT Chief, the DPW Private Aid to Navigation Manager and the DSO-AN or designate. There is no way to get it back. Also it becomes part of the official record and history for the PATON that you observed. Be sure to review your report, before you hit the button. Your credibility as an AV is at stake.

USCG AUXILIARY ANT PATON REPORT - 7054

This report is the same as the USCG AUXILIARY PATON Report – 7054 but with the addition of <u>Section II Description of Deficiency</u>. All discrepancies checked on the AV Report appears in this section