

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM



## *United States Coast Guard*

### **WEB-BASED PRIVATE AID TO NAVIGATION SYSTEM FOR OWNERS / HARBORMASTERS**

Last Revised 04-27-2016

#### **Table of Contents**

- 1. Accessing the PATON System - 2**
  - How to Log On – 2
    - Exhibit 1 – User Logon Screen -2
- 2. How to Register on the PATON System - 2**
  - Exhibit 2 - PATON Registration Screen Example - 3
  - If you forget your Access Code - 3
  - Changing your Registration Record - 4
- 3. Preparing a PATON Application – CG 2554 Form - 4**
  - Exhibit 3 - PATON Logged On Screen Example – 4
  - Exhibit 4 - CG 2554 Screen – Header Field Group Example – 5
  - Exhibit 5 - CG 2554 Screen – Location, Depth and PATON Type Example – 5
  - Exhibit 6 - CG 2554 Screen – Floating PATON Data Field Group Example – 6
  - Exhibit 7 - CG 2554 Screen – Fixed PATON Data Field Group Example - 6
  - Exhibit 8 - CG 2554 Screen – Lighted PATON Data Field Group Example - 7
  - Exhibit 9 - CG 2554 Screen – Establishment Requested Example - 7
  - Exhibit 10 - CG 2554 Screen – Comments Section Example - 7
- 4. Color Key Tracking System - 8**
  - Exhibit 11 - Color Key Tracking Codes example – 8
- 5. Permit Cancellation Guidelines – 8**
- 6. Access to PATONS - 8**
- 7. Private Aid to Navigation Screen - 9**
  - Exhibit 12 - Private Aid to Navigation Screen Example -9
- 8. Search All Options - 9**
  - Exhibit 13 – PATON Listing Example – 9
- 9. The EXCEL Spreadsheet Feature - 9**
  - Exhibit 14 - Example of Excel Spreadsheet Option – 10.
- 10. Off Station Criteria for Private Aids to Navigation -10**
- 11. Distance Standard Table - 10**
- 12. Federal Regulations – Subpart 66.01 Aids to Navigation other than Federal or State – 11 to 15.**
- 13. Digital Messages from the C.G. ANT (Aid to Navigation Team) – 16**
  - Exhibit 15 – Sample E-Mail from the Coast Guard – 16
  - Exhibit 16 – Sample copy of the Digital E-Mail received by the Owner/Harbormaster – 16
- 14. Verification and Checking of Private Aids to Navigation – 17**
  - Exhibit 17 – Sample copy of the Owner/Harbormaster “7054 PATON Report” – 18-19
- 15. Contacts - 19**

**First District Coast Guard – Private Aid to Navigation System logon:**

**<http://paton.maritimeinfosystems.com/index.cfm>**

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## 1. ACCESSING THE 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 1), Private Aid to Navigation Manager in Boston, MA.

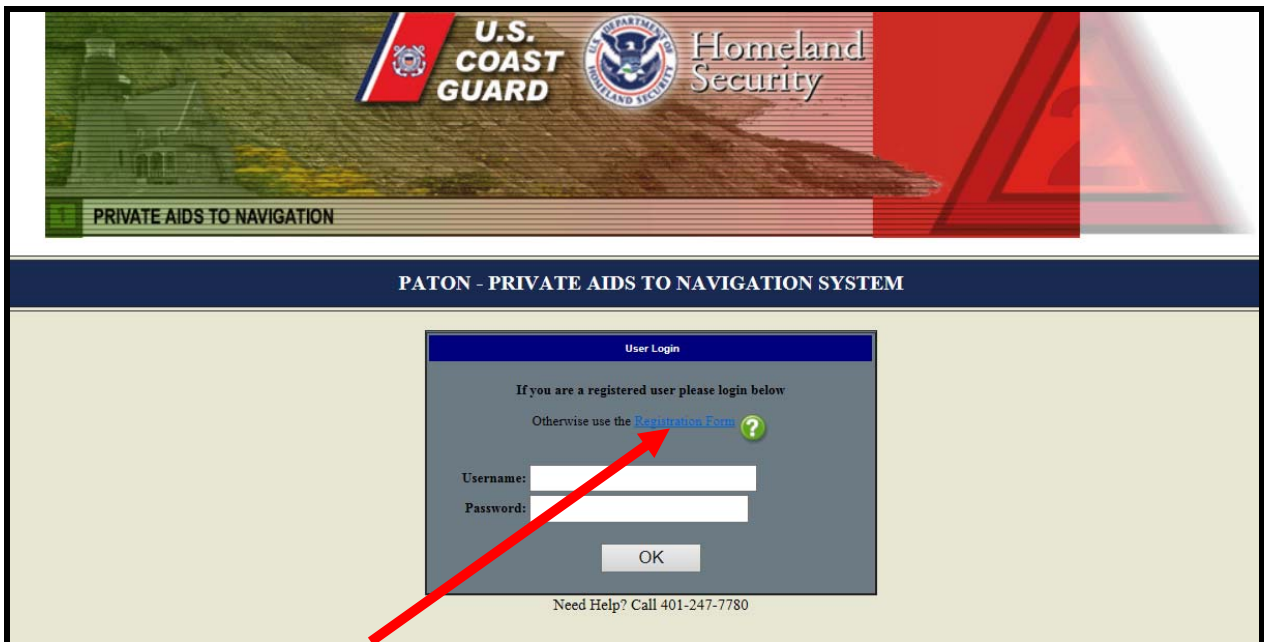
### HOW TO LOG ON

Using the Internet, log on to [PATON.MaritimeInfoSystems.com](http://PATON.MaritimeInfoSystems.com)

A "User Logon Screen" will appear as demonstrated in Exhibit 1 below.

**If you are pre-registered and approved**, enter your "Username" and "Password." Then, click on the "OK" button. PATON Owners should be able to view all of their own PATONS.

Exhibit 1 - User LOGON Screen



## 2. HOW TO REGISTER ON THE PATON SYSTEM

**If you are not registered** on the PATON System, click on the words, "**Registration Form**" on the "User Logon Screen" to initiate the PATON Registration process. See the **Red Arrow** on Exhibit 1 above.

The PATON System Registration screen will appear. A sample PATON Registration screen is shown in Exhibit 2 on page 3.

Fields designated with a **red asterisk\*** are required which means that you must enter information in these fields.

The field names should be self-explanatory. If you are unsure of what to enter in any field, click on the field's "**Question Mark**" for further instructions. The instruction lasts for about six seconds.

Note that the "State" field has a drop-down menu.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

**Note to new registrants:** Once you register, you will **not** be able to use the PATON system until your access code is approved by DPW 1 [Department Prevention Waterways] in Boston. You will receive an e-mail confirming your access codes when the approval process is completed.

**Exhibit 2 - PATON Registration Screen.**

**PATON REGISTRATION**

First Name \*  ?

Last Name \*  ?

Company / Organization name \*  ?

Type of User \*  ANT  Sector  Harbormaster  Private  USCG Auxiliary  Non-Reporting User ?

Address \*  ?

City \*  ?

State \*  ?

Zip Code \*  ?

Email Address \*  ?

Email Address 2:  ?

Work Phone: \*  ?

Work Phone Ext :  ?

Work Phone 2 :  ?

Home Phone:  ?

Cell Phone:  ?

Fax Number:  ?

Username: \*  ?

Password: \*  ?

Re-Enter Password: \*  ?

**USCG AUXILIARY ADDITIONAL FIELDS:**

DISTRICT/DIVISION/FLOTILLA:  ?

Click on this Question Mark icon for further instructions.

The red asterisk indicates that this is a required field.

## **IF YOU FORGET YOUR ACCESS CODE?**

E-Mail the D1 Private Aid Manager at [Paton@D1.uscg.mil](mailto:Paton@D1.uscg.mil)

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## CHANGING YOUR REGISTRATION RECORD

E-Mail the D1 Private Aid Manager at [Paton@D1.uscg.mil](mailto:Paton@D1.uscg.mil) to correct any fields in your PATON Registration Record. Be specific regarding the field(s) that you to change and for the data that you want changed within the field.

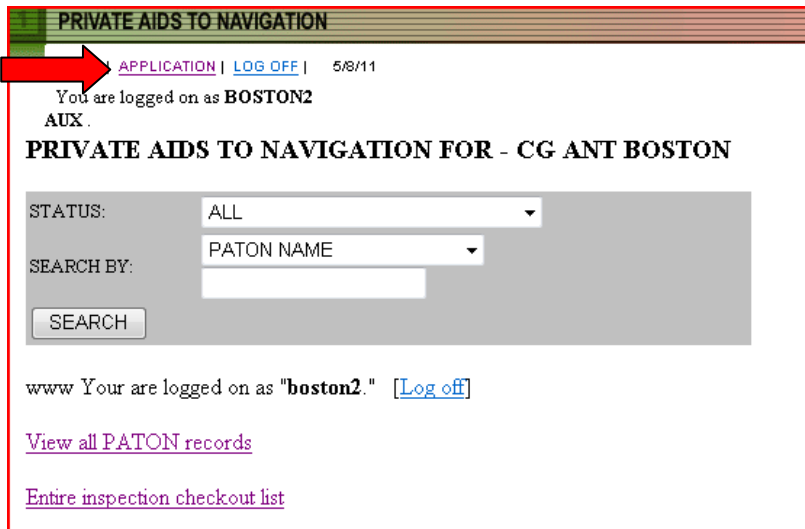
It is critical that any changes in **status**, **telephone number** and/or **e-mail address** be reported in a timely manner.

**IMPORTANT:** If you change your e-mail address without correcting your PATON System Registration record, you will lose communication from the PATON System and may miss important discrepancy reports from the Coast Guard.

## 3. PREPARING A PATON APPLICATION – CG 2554

After you log-in to the PATON System, click on the word “**Application**” at the top of the **LOGON** screen. This button is identified with a **red arrow** in Exhibit 3 below.

**Exhibit 3 - PATON Log On Screen Example**



The **Private Aid to Navigation CG 2554 – PATON Application Screen** will appear. Sections of this on-line form are demonstrated on page 5 with explanations for their particular use.

The field names should be self explanatory. If needed, click on the field’s “**Question Mark**” for additional information. There is a six second time limit on viewing instructions.

### Header Section for a PATON Application CG 2554 Screen:

Fields designated with a **red asterisk \*** are required. You must enter information in these fields or your report submission will reject.

Some fields are pre-populated with data from your Registration Record. You are able to change this data. However, your Registration record will not be changed by this action. It is recommended that you change your Registration Record first.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

**Exhibit 4 - CG-2554 - Header Data Field Group Example.**

Entry Form		
Private Aids to Navigation Application - CG 2554		
* Indicates required fields		
Personal Information		
FIRST NAME *	John	?
LAST NAME *	Smith	?
WORK PHONE *	617-436-4444	?
EMAIL ADDRESS*	Secretary@yachtclub.com	?
USER ORGANIZATION	Yacht Club	?

### Location, Depth and PATON Identification Section:

The field names are self explanatory. Some fields have drop-down menus which control the data that can be entered in the field. The V symbol in a field is indication that a drop down menu is provided. Click on this symbol to view the full menu. Click on a menu item to make your selection.

The **PATON TYPE** field has optional bullets that, when selected, add more appropriate **data field groups** to the CG2554 PATON Application. The **red arrow** in Exhibit 5 below identifies this field.

**Floating** is the alternative selection to **Fixed**. **Lighted** is the alternative selection to **Unlighted**.

**Exhibit 5 - CG-2554 – Location, Depth and PATON Type Example**

Location, Depth and PATON Type				
LATITUDE *	Degrees ▾	Minutes ▾	0	Seconds N ?
LONGITUDE *	Degrees ▾	Minutes ▾	0	Seconds W ?
GENERAL LOCALITY *	[Text Field] ?			
DEPTH AT DATUM	[Text Field]	(Feet - corrected to chart datum) ?		
SUGGESTED PATON NAME *	[Text Field] ?			
PATON TYPE*	<input type="radio"/> FLOATING <input type="radio"/> FIXED <input type="radio"/> LIGHTED <input type="radio"/> UN-LIGHTED                 ?			
PATON PURPOSE *	[Dropdown] ?			
PATON CATEGORY *	[Dropdown] ?			
AID COLOR	[Dropdown] ?			

Whenever you select "**Other**" on a menu, always provide an explanation in the Comments Section on your application.

### **Latitude and Longitude**

It is very important that the Latitude and Longitude be formatted as **DD-MM-SS.SSS** or else processing your application may be greatly delayed. Here is a link to assist in converting from DD-MM.MMM (Degrees and Decimal minutes) to **DD-MM-SS.SSS** (the required format of Degrees, Minutes and Seconds with three points after the second's decimal):

<http://transition.fcc.gov/mb/audio/bickel/DDMMSS-decimal.html>

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## The “Floating” PATON Data Field Group

When you designate a PATON TYPE as *Floating*, three additional fields are added as demonstrated in Exhibit 6 below. *Floating* is the alternative selection to *Fixed*.

The three fields in the Floating Data Field Group are required. The ‘Buoy Material’ field has a drop down menu.

Exhibit 6 - CG 2554 “Floating” PATON Data Group Example.

Floating PATON	
CHAIN LENGTH	35 (Chain length in feet) ?
MOORING SIZE/WEIGHT	200 (Size/Weight in pounds) ?
BUOY MATERIAL	FOAM ?

## The “Fixed” PATON Data Field Group

When you designate a PATON TYPE as *fixed*, three additional fields are added as is shown in the Exhibit 7 below. *Fixed* is the alternative selection to *Floating*.

The three fields in the Fixed Data Group are required. The “*Aid Structure*” and “*Structure Material*” fields have drop-down menus.

All PATONs, which are fixed in the seabed, must also have a Corps of Engineer’s (USACE) permit reference before the Coast Guard can approve and issue a permit.

Exhibit 7 - CG 2554 “Fixed” PATON Data Field Group Example

Fixed PATON	
AID STRUCTURE	SINGLE PILE ?
STRUCTURE MATERIAL	WOOD ?
USACE PERMIT	12345 ?

## The “Lighted” PATON Data Field Group

When you designate a PATON TYPE as *lighted*, four additional fields are added as is shown in Exhibit 8 on page 7. *Lighted* is the alternative selection to *Unlighted*.

The first three fields are required. The ‘Light Characteristic’ and ‘Light Color’ fields have drop down menus.

The “*Height of Light*” is required for **fixed lighted PATONS only**. Click on the “Question Mark” for the instructions for measuring the height of a light correctly.

Floating lighted PATONs do not require a “*Height of Light*” entry.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

**Exhibit 8 - CG 2554 – “Lighted” PATON Data Field Group**

Lighted PATON	
LIGHT CHARACTERISTIC	Flashing <span style="float: right;">?</span>
LIGHT PERIOD *	4 (seconds) <span style="float: right;">?</span>
LIGHT COLOR	GREEN <span style="float: right;">?</span>
HEIGHT OF LIGHT	(Feet - for FIXED lights only.) <span style="float: right;">?</span>

### The Unlighted PATON Option

If you select “**Unlighted**” as the PATON TYPE field, the “*Lighted PATON*” data field group is removed from the PATON Application Screen. **Unlighted** is the alternative selection for **lighted**.

### Establishment – Action Required and Duration

There are four options available for ‘Action Required’ – **Annual**, **Seasonal**, **Temporary** and **Disestablish**. Click on the Question Mark for an explanation of each option.

**Exhibit 9 - CG 2554 - Establishment Requested Field Group Section Example.**

Establishment Requested	
ACTION REQUESTED *	Seasonal <span style="float: right;">?</span>
AID DURATION	Set: 5/1 <span style="float: right;">?</span>
	Pull: 11/1 <span style="float: right;">?</span>

Each Establishment option has a different duration requirement. Duration is the time period when an established PATON is deployed during the year.

**Annual** indicates that the PATON is deployed all year round-24/7. Duration dates are not required.

**Seasonal** indicates that the PATON is deployed at specific times during the year. A Set and Pull date is required with this option. Enter seasonal pull dates in a **month/day** format or MM/DD.

**Temporary** indicates that the PATON is deployed for a fixed period of time. Enter the Set and Pull Date in a **month/day/year** format or MM/DD/YYYY.

Duration can also represent the date when the aid is planned to be **Dis-established**. Enter the disestablishment date in **month/day/year** format or MM/DD/YYYY.

Click on the Question Mark to review the details for each Duration requirement.

### Comments

Enter comments that are needed to explain any menu selection of “**Other**” or any feature that is not included in the standard permit fields. These comments may become part of the PATON’s permanent permit specification.

**Exhibit 10 - CG 2554 Comments Example**

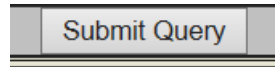
COMMENTS *		?
------------	--	---



# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## Submit Application:









Click on the “**Submit Query**” button to transmit your PATON Application to DPW 1 (Department Prevention, Waterways, First USCG District) for processing and approval.



## 4. Color Key Tracking System

The PATON Application Approval process can be tracked on line. Each step in the process is indicated by a color code. The color codes appear at the far left on each PATON listing. System Color Codes are described and explained below.

### Exhibit 11 - Color Key Tracking System Codes example

KEY:	
	Unknown
	Non-permitted/unauthorized
	App submitted. Requires District assignment to an ANT
	Change request
	App pending. Requires ANT action & District final approval
	Approved
	Aid established
	Application Denied

You can track the status of your application through the approval process by referencing the color code assigned to the aid’s record. Color codes appear at the extreme left on the PATON listings.

**Light Blue** – means the PATON application has been received and is pending action by DPW 1.

**Yellow** – means the PATON application is being approved by the CG ANT and/or the Harbormaster.

**Light Green** – means that the PATON application has been approved.

**Dark Green** – means that you have notified DPW 1 that your aid is established (You deployed the aid).

## 5. PERMIT CANCELLATION GUIDELINES:

The Coast Guard may cancel a PATON’s Permit when:

- The aid is not established (set out) ***within one-year*** from the date of the permit’s final approval.
- The aid is observed as not deployed for ***two-consecutive years.***
- Check the “Permitted Comments” field for any special notes regarding this issue.

## 6. ACCESS TO PATONS

Once your access code has been approved and you log onto to the Web-Based PATON System, a list of the Private Aids to Navigation that are linked to your organization can be viewed on the “***Private Aids to Navigation Screen***” that will appear.

## 7. PRIVATE AID TO NAVIGATION SCREEN

This is the screen that appears when a user logs on to the PATON System.

The screen shows your “Username.” It appears after the phrase, “***You are logged on as:***” e.g. ***DORCH.***



# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

The title (in the example presented below) shows your affiliation. E.g. PRIVATE AIDS TO NAVIGATION FOR – DORCHESTER CLUB.

## Exhibit 12 - Private Aid to Navigation Screen Example

### 8. “SEARCH “ALL” OPTION

Using the “STATUS” command “ALL,” click in the “SEARCH” button to view all of the private aids affiliated with your organization. For the search, see the **red arrows** in **Exhibit 12 above**. Your list of private aids will be shown as listed below in **Exhibit 13**.

### Exhibit 13 – PATON Listing Example

RESULTS: 5

STATUS	LLNR	AID #	PATON NAME	LAT	LO N	T	C	ANT	OWNER	EMAIL	PHONE	LOCAL AUTH.
444 Established	11260.00	200100218890	Dorchester Bay Basin Channel Buoy 1	42° 18' 15.000" N	71° 3' 1.000" W	FL	2	CG ANT BOSTON	DYC COMMODORE	Secretary@dorchesteryachtclub.com	617-436-1002	Dorchester Yacht Club
444 Established	11265.00	200100218891	Dorchester Bay Basin Channel Buoy 2	42° 18' 17.000" N	71° 3' 3.000" W	FL	2	CG ANT BOSTON	DYC COMMODORE	Secretary@dorchesteryachtclub.com	617-436-1002	Dorchester Yacht Club
444 Established	11275.00	200100218893	Dorchester Bay Basin Channel Buoy 4	42° 18' 18.000" N	71° 3' 7.000" W	FL	2	CG ANT BOSTON	DYC COMMODORE	Secretary@dorchesteryachtclub.com	617-436-1002	Dorchester Yacht Club
444 Established	11280.00	200100218894	Dorchester Bay Basin Channel Buoy 5	42° 18' 17.000" N	71° 3' 4.700" W	FL	2	CG ANT BOSTON	DYC COMMODORE	Secretary@dorchesteryachtclub.com	617-436-1002	Dorchester Yacht Club
444 Established		100117402366	DYC No Wake Buoy	42° 18' 15.400" N	71° 2' 58.000" W	FL	3	CG ANT BOSTON	DYC COMMODORE	Secretary@dorchesteryachtclub.com	617-436-1002	Dorchester Yacht Club

### 9. THE EXCEL SPREADSHEET FEATURE

Follow these simple steps to create an EXCEL spreadsheet of your PATONs:

**Step 1** - Open a blank EXCEL spread sheet on your computer.

**Step 2** – Generate the PATON list that you want to copy. Exhibit 13 is a typical example.

**Step 3** - Place the cursor at the top left hand side of the PATON list and drill down to the lower right hand side of the list that you are copying. Click on the copied list.

**Step 4** - Paste the copied data to the blank EXCEL spreadsheet to create your spreadsheet. Exhibit 14 below shows an example of an Excel spreadsheet.

**Step 5** - You are now able to manipulate the data on your EXCEL spreadsheet any way that you like.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## Exhibit 14 - Sample Excel Spreadsheet.

STATUS	LLNR	AID #	PATON NAME	LAT	LON	T	C	ANT	OWNER	EMAIL	PHONE	LOCAL AUTH.
Aid Established	11260	200100218890	Dorchester Bay Basin Channel Buoy 1	42° 18' 15.000" N	71° 3' 1.000" W	FL	2	CG ANT BOSTON	Joe Doaks	Marina.Manager@yachtclub.com	978-436-1222	Yacht Club
Aid Established	11265	200100218891	Dorchester Bay Basin Channel Buoy 2	42° 18' 17.000" N	71° 3' 3.000" W	FL	2	CG ANT BOSTON	Joe Doaks	Marina.Manager@yachtclub.com	978-436-1222	Yacht Club
Aid Established	11275	200100218893	Dorchester Bay Basin Channel Buoy 4	42° 18' 18.000" N	71° 3' 7.000" W	FL	2	CG ANT BOSTON	Joe Doaks	Marina.Manager@yachtclub.com	978-436-1222	Yacht Club
Aid Established	11280	200100218894	Dorchester Bay Basin Channel Buoy 5	42° 18' 17.000" N	71° 3' 4.700" W	FL	2	CG ANT BOSTON	Joe Doaks	Marina.Manager@yachtclub.com	978-436-1222	Yacht Club
Aid Established		100117402366	DYC No Wake Buoy	42° 18' 15.400" N	71° 2' 58.000" W	FL	3	CG ANT BOSTON	Joe Doaks	Marina.Manager@yachtclub.com	978-436-1222	Yacht Club

## 10. Off Station Criteria for Private Aids to Navigation

Criteria and actions have been established for the three types of PATONs – **Fixed Lateral PATONs**, **Floating Lateral PATONs** and **Fixed and Floating Regulatory** (non-lateral) **PATONs**. Each has a difference course of action. Lateral aids are those aids used to mark the edges of a navigable channel or waterway.

**Fixed Lateral PATONs** are permanently affixed to the seabed. An observed fix for the PATON that is more than **25 feet** from the aid's permitted position is indication that the aid is off station. (OFF STA)

**Floating Lateral PATONs** are the aids that mark the edges of a navigable channel or fairway. A fix for a floating lateral PATON that is observed as more the **50 feet** from the aid's permitted position indicates that the aid is off station. (OFF STA)

Note that the actual position of a floating aid to navigation is the location of its anchor or mooring.

**Floating Regulatory and Special Purpose PATONs** are private aids that are not used for navigational purposes. These aids support local ordinances regarding boat speed, no wakes, swim areas, etc. A fix for a floating regulatory buoy that is observed at more than **500 feet** from its permitted position is indication that the aid is off station (OFF STA). Regulatory and Special Purpose buoys are also considered as off station and hazards to navigation when they are observed as positioned within a navigable channel.

## 11. Distance Standards Table.

DISTANCE STANDARDS TABLE		
One degree of Latitude	[ 01-00-00-00 ]	<b>60.8 nm</b>
One Nautical mile or 1 minute of Latitude	[ 00-01-00-00 ]	<b>6,076 ft</b>
One Second of Latitude	[ 00-00-01.00 ]	<b>101.3 ft</b>
One-tenth of a second of Latitude	[ 00-00-00.10 ]	<b>10.1 ft.</b>
One-thousand of a second of Latitude	[ 00-00-00.01 ]	<b>1.0 ft.</b>

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## 12. FEDERAL REGULATIONS – Private Aids to Navigation.

This section is a list of Federal Regulations that have been established to manage the placement and removal of private aids to navigation. The specific procedures for handling these matters have been upgraded to speed up the permitting process and make it easier for the private aid owners to communicate with the Coast Guard. These new processes are explained in the first part of the guide.

### Subpart 66.01—Aids to Navigation Other than Federal or State

SOURCE: CGFR 68–152, 33 FR 19816, Dec. 27, 1968, unless otherwise noted.

#### § 66.01–1 Basic provisions.

- (a) No person, public body or instrumentality not under the control of the Commandant, exclusive of the Armed Forces, shall establish and maintain, discontinue, change or transfer ownership of any aid to maritime navigation, without first obtaining permission to do so from the Commandant.  
[Authority is provided to the District Commander who establishes local authority to the DPW 1 (Department Prevention Waterways) under a Private Aid to Navigation Manager.]
- (b) For the purposes of this subpart, the term private aids to navigation includes ***all marine aids to navigation operated in the navigable waters of the § 66.01–3 33 CFR Ch. I (7–1–98 Edition) United States other than those operated by the Federal Government*** (part 62 of this subchapter) or those operated in State waters for private aids to navigation (subpart 66.05).  
[Military normally follow the standard documentation rules as well as the States and local Municipalities.]
- (c) Coast Guard authorization of a private aid to navigation does not authorize any invasion of private rights, nor grant any exclusive privileges, nor does it obviate the necessity of complying with any other Federal, State or local laws or regulations.  
[Normal private aids include aids in small channels and many regulatory aids that have no lateral significance.]
- (d) With the exception of radar beacons (recons) and shore based radar stations, operation of electronic aids to navigation as private aids will not be authorized.  
[CGFR 68–152, 33 FR 19816, Dec. 27, 1968, as amended by CGD 85–057, 51 FR 11448, Apr. 3, 1986]

#### § 66.01–3 Delegation of authority to District Commanders.

- (a) Pursuant to the authority in 49 CFR 1.45(b), the Commandant delegates to the District Commanders within the confines of their respective districts (see Part 3 of this chapter for descriptions) the authority to grant permission to establish and maintain, discontinue, change or transfer ownership of private aids to maritime navigation, and otherwise administer the requirements of this subpart.  
[This is handled by the Private Aid to Navigation Manager in DPW 1 in Boston.]
- (b) The decisions of the District Commander may be appealed within 30 days from the date of decision. The decision of the Commandant in any case is final.  
[CGFR 68–152, 33 FR 19816, Dec. 27, 1968, as amended by USCG–1998–3799, 63 FR 35526, June 30, 1998]

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## § 66.01–5 Application procedure.

Application to establish and maintain, discontinue, change, or transfer ownership of a private aid to navigation shall be made to the Commander of the Coast Guard District in which the private aid to navigation is or will be located. Application forms (CG–2554) will be provided upon request. The applicant shall complete all parts of the form applicable to the aid to navigation concerned, and shall forward the application in triplicate to the District Commander.

[In the First District, aid owners are required to register and use an [on-line](#) CG-2554 PATON Application format. Required fields insure that the proper information is submitted. The procedure for preparing this application is contained in the first half of this guide.]

The following information is required:

- (a) The proposed position of the aid to navigation by two or more horizontal angles, or bearings and distance from charted landmarks. A section of chart or sketch showing the proposed location of the aid to navigation shall be included.  
[Submission of a Latitude and Longitude generated with a marine-grade GPS is now sufficient and acceptable. Use of horizontal sextant angles are no longer required. Always format and report Lat/Long as **DD-MM-SS.SSS.**]
- (b) The name and address of the person at whose expense the aid will be maintained.  
[Required fields are provided on the on-line CG-2554 for this purpose.]
- (c) The name and address of the person who will maintain the aid to navigation.  
[This is the same person indicated in (b) above]
- (d) The time and dates during which it is proposed to operate the aid.  
[Owner indicates whether the aid is ANNUAL (deployed all year), or SEASONAL (deployed in specific months throughout the year). If Seasonal, Set and Pull dates are required. Format as Month/Day (MM/DD)]
- (e) The necessity for the aid.
- (f) For lights: The color, characteristic, height above water, and description of illuminating apparatus.
- (g) For fog signals: Type (whistle, horn, bell, etc.) and characteristic.
- (h) For buoys or day beacons: Shape, color, number, or letter, depth of water in which located or height above water.
- (i) For racons: Manufacturer and model number of racon, height above water of desired installation, and requested coding characteristic. Equipment must have FCC authorization. [CGFR 68–152, 33 FR 19816, Dec. 27, 1968, as amended by CGD 85–057, 51 FR 11448, Apr. 3, 1986]

## § 66.01–10 Characteristics.

- (a) The characteristics of a private aid to navigation shall conform to the United States Aids to Navigation System described in Subpart B of Part 62 of this subchapter, except that only tungsten-incandescent light sources will be approved for electric lights.  
[The IALA-B System refers to lateral aids only] LED lanterns are now approved for Private Aids.]

## USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

- (b) Owners of previously authorized, but nonconforming, private aids to navigation must bring such aids to navigation into conformance with the U.S. Aids to Navigation System not later than December 31, 1994. [CGD 86–031, 52 FR 42645, Nov. 6, 1987, as amended by CGD 93–047, 58 FR 64153, Dec. 6, 1993]  
[This refers to the Black and Red colors previously prescribed for use on lateral aids.]

**EFFECTIVE DATE NOTE:** By CGD 97–018, 63 FR 33573, June 19, 1998, § 66.01–10 was amended by removing paragraph (b) and removing the paragraph designation (a), effective July 20, 1998.

### § 66.01–15 Action by Coast Guard.

- (a) The District Commander receiving the application will review it for completeness and will assign the aid one of the following classifications:

[This action is performed by the Private Aid to Navigation Manager on behalf of the District Commander.]

**Class I:** Aids to navigation on marine structures or other works which the owners are legally obligated to establish, maintain and operate as prescribed by the Coast Guard.

[Class I PATONS are verified by the Coast Guard personnel by July 1 each year.]

**Class II:** Aids to navigation exclusive of Class I located in waters used by general navigation.

[Class II aids are generally lateral aids and lighted aids and are required to be verified every three years in the First District.]

**Class III:** Aids to navigation exclusive of Class I located in waters not ordinarily used by general navigation. [Class III aids are Regulatory Aids and are verified every three years in the First District.]

- (b) Upon approval by the District Commander, a copy of the application *permit* will be returned to the applicant *by e-mail*. Approval for the operation of radar beacons (racons) will be effective for an initial two year period, then subject to annual review without further submission required of the owner.

[This process is now handled on-line and by e-mail in the First District and is maintained as a permanent part of the digital record for the PATON.]

### § 66.01–20 Inspection.

All classes of private aids to navigation shall be maintained in proper operating condition. They are subject to inspection by the Coast Guard at any time and without prior notice.

[Private aids to navigation are verified by the Coast Guard every three years and are checked each year.]

### § 66.01–25 Discontinuance and removal.

- (a) No person, public body or instrumentality shall change, move or discontinue any authorized private aid to navigation required by statute or regulation (***Class I***, § 66.01–15) without first obtaining permission to do so from the District Commander. (USCG D1 DPW, Boston MA)
- (b) Any authorized private aid to navigation not required by statute or regulation (***Classes II and III***, may be discontinued and removed by the owner after 30 days' notice to the District Commander to whom the original request for authorization for establishment of the aid was submitted.
- (c) Private aids to navigation which have been authorized pursuant to this part shall be discontinued and removed ***without expense*** to the United States by the person, public body or instrumentality establishing or maintaining such aids when so directed by the District Commander.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## § 66.01–30 Corps of Engineers' approval.

- (a) Before any private aid to navigation consisting of a fixed structure is placed in the navigable waters of the United States, **authorization to erect such structure shall first be obtained from the District Engineer, U.S. Army Corps of Engineers** in whose district the aid will be located.
- (b) The application to establish any private aid to navigation consisting of a fixed structure shall show evidence of the required permit having been issued by the Corps of Engineers.

## § 66.01–40 Exemptions.

- (a) Nothing in the preceding sections of this subpart shall be construed to interfere with or nullify the requirements of existing laws and regulations pertaining to the marking of structures, vessels and other obstructions sunken in waters subject to the jurisdiction of the United States, the marking of artificial islands and structures which are erected on or over the seabed and subsoil of the Outer Continental Shelf (Part 67 of this subchapter), or the lighting of bridges over navigable waters of the United States (Subchapter J of this subchapter).
- (b) Persons marking bridges pursuant to Subchapter J of this title are exempted from the provisions of § 66.01–5. [CGD 78–156, 48 FR 11268, Mar. 17, 1983]

## § 66.01–45 Penalties.

**Any person, public body or instrumentality**, excluding the armed forces, **who shall establish, erect or maintain any aid to maritime navigation without first obtaining authority to do so from the Coast Guard, with the exception of those established in accordance with § 64.10 of this chapter, or who shall violate the regulations relative thereto issued in this part, is subject to the provisions of 14 U.S.C. 83.** [CGD 78–156, 48 FR 11268, Mar. 17, 1983] [[This provision is explained below](#)]

## § 66.01–50 Protection of private aids to navigation.

Private aids to navigation lawfully maintained under these regulations are entitled to the same protection against interference or obstruction as is afforded by law to Coast Guard aids to navigation (Part 70 of this subchapter). If interference or obstruction occurs, a prompt report containing all the evidence available should be made to the Commander of the Coast Guard District in which the aids are located.

## § 66.01–55 Transfer of ownership.

- (a) When any private aid to navigation authorized by the District Commander, or the essential real estate or facility with which the aid is associated, is sold or transferred, both parties to the transaction shall submit application (§ 66.01–5) to the Commander of the Coast Guard District ([DPW 1](#)) in which the aid is located requesting authority to transfer responsibility for maintenance of the aid.
- (b) The party relinquishing responsibility for maintenance of the private aid to navigation shall indicate on the application form (CG–2554) both the discontinuance and the change of ownership of the aid sold or transferred.
- (c) The party accepting responsibility for maintenance of the private aid to navigation shall indicate on the application form (CG–2554) both the establishment and the change of ownership of the aid sold or transferred.

## **USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM**

(d) **In the event the new owner of the essential real estate or facility with which the aid is associated refuses to accept responsibility for maintenance of the aid,** the former owner shall be required to remove the aid without expense to the United States. This requirement shall not apply in the case of any authorized private aid to navigation required by statute or regulation (Class I, § 66.01–15) which shall be maintained by the new owner until the conditions which made the aid necessary have been eliminated.

### **14 U.S.C. 83. [CGD 78–156, 48 FR 11268, Mar. 17, 1983]**

No person, or public body, or instrumentality, excluding the armed services, shall establish, erect, or maintain any aid to maritime navigation in or adjacent to the waters subject to the jurisdiction of the United States, its territories or possessions, or the Trust Territory of the Pacific Islands, or on the high seas if that person, or public body, or instrumentality is subject to the jurisdiction of the United States, without first obtaining authority to do so from the Coast Guard in accordance with applicable regulations.

Whoever violates the provisions of this section or any of the regulations issued by the Secretary in accordance herewith shall be guilty of a misdemeanor and shall be fined not more than \$100 for each offense.

*Each day during which such violation continues shall be considered as a new offense.*



# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## 13. Digital Messages from the CG ANT [Coast Guard Aid to Navigation Team]

These digital messages become part of the permanent digital history record for the aid that is indicated as the Subject for the e-mail message.

### Exhibit 15 – Sample E-mail from Coast Guard

Your Full Name: Harbormaster Smith  
Your e-mail here: Seaside@verizon.net  
Subject: Regarding PATON: TRAINING AID - NO WAKE / SPEED BUOY - Missing Private Aid

Message:

This private aid has been reported as missing for the last two years.

Please provide your future plans for this aid.

The Coast Guard has the option to cancel the permit for aids missing over two years.

V/R

Senior Chief Jones

Send >>

A copy of this message will be sent to your email address.

### Exhibit 16 – Sample Copy of Digital E-mail received by the Owner/Harbormaster.

RIH Message: 30319: TRAINING AID - Lighted Daymark 5 (2)

**Me** Today at 9:03 AM

To Me

This message was submitted from your email address, via the National Harbormasters' Association web site:

This aid has been missing for over two years, do you want to discontinue it? If not, what are you plans for the future use of this aid.

V/R

Jack Moss DFW-1

[Reply](#), [Reply All](#) or [Forward](#) | [More](#)

#### **14. Verification and checking of Private Aids to Navigation.**

While it is the private aid owner's responsibility to maintain all of their permitted aids in operating condition at no expense to the Coast Guard, the Coast Guard schedules verifications of every private aid every *three years*. Also, while in the various locations of their area of responsibility, the Coast Guard checks every private aid for discrepancies each year. Owners will receive copies of the formal "CG7054 PATON Reports" indicating the findings of these verifications. Owners will also receive reports of any tri-annual checks when discrepancies are observed on the private aid. Copies of these reports are system generated e-mails that will be prioritized as follows:

**Information Only** – Aid was reported as watching properly. No deficiencies were observed.

**High Priority Problem** – Aid was observed with a critical discrepancy. Immediate corrective action is required. Owner needs to advise the Coast Guard when their corrective action will be completed. The name of the person to contact, their phone number and their e-mail address will appear on the report.

**Routine Maintenance** – Aid has a problem that needs to be corrected. Owner needs to correct this discrepancy in a timely manner. Aid will be checked periodically to see whether corrective action has been completed.

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

## Exhibit 17 – Sample Copy of Owner/Harbormaster “7054 PATON Report.”

• OWNER COPY: North River Buoy 22 LLNR 12426.00 AID 100116930107

Pec

• United States Coast Guard-D1 Department Prevention-Waterways

Aug 20, 2014

To jwest@town.scituate.ma.us

USCG AV PATON REPORT 7054			
<b>SECTION I - PATON SPECIFICATION and OBSERVER'S INFORMATION</b>			
<b>NORTH RIVER BUOY 22</b>			
PATON SYSTEM #:	27684		
GENERAL LOCALITY:	North River, Scituate MA Side		
OPFAC NUMBER:	<b>01-41949-ANT Boston</b>		
LLNR:	12426.00		
AID NUMBER:	100116930107		
CLASS:	2		
	<b>PERMITTED</b>	<b>OBSERVED</b>	
PATON PURPOSE:	MARKS A CHANNEL		<input type="checkbox"/>
PATON CATEGORY:	Unlighted Buoy		<input type="checkbox"/>
AID COLOR:	RED		<input type="checkbox"/>
PATON TYPE:	Floating Un-lighted		
LATITUDE	42 09 41.10 N	42 - 09 - 40.80	Latitude *
		<input checked="" type="radio"/> N	
LONGITUDE	70 43 55.90 W	070 - 43 - 55.60	Longitude *
		<input checked="" type="radio"/> W	
EPE- ESTIMATE POSITION ERROR		17.0	ft. *
DEPTH AT DATUM:	4.1 FT.	3.1	ft.
HEIGHT OF TIDE:		1.42	ft.
<b>Establishment</b>			
ACTION REQUESTED	Seasonal		
AID DURATION:	Set: 05/01 Pull: 10/31		
<b>Dates and Times</b>			
DATE LAST REPORTED:	8/20/2014		
DATE OBSERVED:		8/18/2014	*
DATE REPORTED:		8/20/2014	*
TIME WHEN VERIFIED:		11:51	*(HH:MM 24 hour clock)
<b>SECTION II - DOCUMENTATION OF DISCREPANCIES</b>			
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.*	<input checked="" type="radio"/> YES <input type="radio"/> NO		
PATON with the IALA-B ATON System?*	<input checked="" type="radio"/> Comply <input type="radio"/> Doesn't Comply <input type="radio"/> Not Lateral Aid		
This PATON is watching properly?*	<input checked="" type="radio"/> Yes <input type="radio"/> No		
<b>SECTION III - COMMENTS</b>			
PERMITTED COMMENTS (Description information about specific PATON):			
RED NUN			
AV OBSERVATIONS (For AV Special remarks and observations.):			
AID IS WATCHING PROPERLY.			

# USCG FIRST DISTRICT PRIVATE AID TO NAVIGATION SYSTEM

ACCURACY STATEMENT (For AV to support accuracy of electronic equipment)\*:

GPS - A GARMIN-GPSMAP 78s with WAAS enabled, operating in 3D was used. Pre-underway accuracy was checked by comparing to another GPS.

ECHO SOUNDER - A GARMIN 498 GPS/echo sounder was used. Correction for the transducer was 0.0 feet. Pre-underway accuracy was checked by calculation . The on-scene Substation was Salem, MA.

DISTANCE OFF - The fix and depth were taken approximately 12.0 feet from the PATON.

**SECTION V - OWNER CONTACT DETAILS**

POC:  
Address:  
Email: jwest@town.scituate.ma.us  
Phone: 781-545-2130

**SECTION VI - HARBORMASTER CONTACT DETAILS**

Harbormaster: Scituate, MA  
Email: jwest@town.scituate.ma.us  
Phone: 781-545-2130

Photos:  
 Browse...  
 Browse...  
 Browse...

Photos:

## Contacts:

**Steve Pothier**, *First District Private Aid to Navigation Manager*

U.S. Coast Guard

617-223-8347

[PATON@D1.USCG.MIL](mailto:PATON@D1.USCG.MIL)

**Frank Larkin**, *District Staff Officer, Navigation Systems*

U.S. Coast Guard Auxiliary

978-263-3023 Home

617-997-7423 Cell

FrankJLarkin@verizon.net