



International 406 MHz Beacon
Registration Database (IBRD)

User Guide

- Page left blank -

Table of Contents

PART 1 - INTRODUCTION.....	i
1. Introduction	1
1.1 User Accounts.....	2
1.1.1 Types of user accounts	2
a) <i>Single beacon owners/operators:</i>	2
b) <i>Block owners</i>	2
c) <i>National Data Providers:</i>	2
d) <i>National SAR services:</i>	2
e) <i>Authorized ship and aircraft inspectors and maintenance facilities:</i>	2
1.1.2 How to obtain a user account.....	2
1.2 Other useful documents.....	3
1.3 Questions or comments	3
 PART 2 - BEACON OWNERS, BLOCK OWNERS AND NATIONAL DATA PROVIDERS.....	5
2.1. User account passwords.....	7
a) <i>Single Beacon Owners</i>	7
b) <i>Block Owners</i>	7
c) <i>National Data Providers</i>	7
2.2. Register a beacon (Beacon and Block Owners)	9
<i>Required fields</i>	10
2.3 Access an existing beacon record	15
View or update registration information	15
a) <i>Change Beacon Status</i>	16
b) <i>Change Beacon Password</i>	16
2.4 Access National Beacons (National Data Providers)	17
National Data Provider Options	18
a) <i>New registration by National Data Provider</i>	18
<i>Required fields</i>	19
b) <i>Uploading (Import) beacons using an XML file</i>	23
c) <i>Download (Export) Records from IBRD</i>	23
d) <i>View or update registration information</i>	25
e) <i>Acknowledge confirmation request</i>	25
f) <i>Working Offline</i>	25
Appendices	30
Appendix 1 - View of EPIRB registration form	31
Appendix 2 - View of ELT registration form	34
Appendix 3 - View of PLB registration form	37
 PART 3 - NATIONAL SAR SERVICES AND AUTHORIZED INSPECTORS.....	39
3.1. SAR Services and Inspectors User Accounts	41
a) <i>SAR Services Account</i>	41
b) <i>Authorized Ship and Aircraft Inspectors and Maintenance Facilities</i>	41
3.2. Beacon Search for SAR Services	42
a) <i>Search for a specific beacon ID (hex ID) or type</i>	43
b) <i>View a beacon</i>	43

c) Search options.....	43
d) Sort-by options	43
e) General search using wildcards.....	44
f) Export your search	44
3.3. Beacon Search for Authorized Inspectors.....	47
a) Search for a specific beacon ID (hex ID) or type.....	48
b) View a beacon.....	48
c) Search options.....	48
d) Sort-by options	48
e) General search using wildcards.....	49
f) Export your search	49
PART 4 - TROUBLESHOOTING	51
4. Troubleshooting	53
a) Forgot the password?.....	53
b) Session timed out message.....	53

PART 1 - INTRODUCTION

- Page left blank -

1. Introduction

The International 406 MHz Beacon Registration Database (IBRD) is designed to be freely available to users with no access to national registration facilities and to Administrations who wish to avail themselves of the facility to make their national beacon registration data more available to SAR services. However, direct registration of 406 MHz beacons in the IBRD is not allowed for the country codes of Administrations that have informed Cospas-Sarsat of their decision to control the registration of beacons under their jurisdiction, whether in the IBRD or in their own national registration databases.

The IBRD provides various levels of access to:

- a) beacon owners who wish to register their beacons when no registration facility exists in their country and the responsible Administration has agreed to allow direct registration in the IBRD;
- b) Administrations who control the registration of beacons identified with their country code, but wish to make registration data available to international SAR services via the IBRD;
- c) SAR services that need to access beacon registration data to efficiently process distress alerts; and
- d) other authorised government entities or agencies for the purpose of controlling the proper coding or registration of 406 MHz beacons.

Cospas-Sarsat provides the IBRD solely for the purpose of assisting SAR Services and this does not cancel the obligation of Administrations to provide a beacon registration facility per ICAO and IMO requirements.

The functional requirements for the IBRD are provided in document C/S D.001 "Functional Requirements for the Cospas-Sarsat International Beacon Registration Database" and the IBRD operations policy is defined in document C/S D.004 "Operations Plan for the Cospas-Sarsat International 406 MHz Beacon Registration Database".

Access to the IBRD is controlled by user codes assigned by the Cospas-Sarsat Secretariat in accordance with Council guidelines. Administrations wishing to use the IBRD should designate a National IBRD Point of Contact. Cospas-Sarsat will accept designations from the Cospas-Sarsat Representative of the participating country or, for non-participating countries, the IMO or the ICAO Representative for that country.

1.1 User Accounts

1.1.1 Types of user accounts

a) Single beacon owners/operators:

Beacon owners/operators have access only to their own password-protected registration form. They can only update records to which they have beacon ID and password.

b) Block owners

Beacon owners/operators who have more than one beacon record to manage. They create their own username and password.

c) National Data Providers:

This account is used to register beacons held in a national registry in the IBRD if the State wishes to make the data more readily available to the SAR community.

d) National SAR services:

This account allows the search and rescue (SAR) services to browse existing beacon records in the IBRD to obtain valuable information about the owner, vehicle, whereabouts, etc. All SAR services should have access for use in distress situations.

e) Authorized ship and aircraft inspectors and maintenance facilities:

This account is for the inspectors and maintenance personnel who wish to confirm that a beacon has been registered. This type of access does not allow visibility into owner/operator information and is only used to confirm a beacon is properly registered.

1.1.2 How to obtain a user account

In order to acquire appropriate passwords to access the IBRD, National Administrations should:

- designate a National IBRD Point of Contact, and
- request that the Cospas-Sarsat Secretariat allocate user identifications and passwords to their National IBRD Point of Contact.

The National IBRD Point of Contact is the person the Cospas-Sarsat database administrator will contact in case of issues with the IBRD or questions regarding the Administration's beacons in the IBRD.

The user account request must be provided in writing to the Database Administrator (i.e. the Cospas-Sarsat Secretariat) and must carry the signature of the Cospas-Sarsat, IMO or ICAO Representative of the Administration. For a letter template, please visit the following link <http://www.cospas-sarsat.org/DocumentsDSeries/IBRDTemplateLetter.doc>

1.2 Other useful documents

[IBRD FAQ](http://www.cospas-sarsat.org/en/beacons/beacon-registration/faq-beacon-registration) (Answers to Frequently Asked Questions)

<http://www.cospas-sarsat.org/en/beacons/beacon-registration/faq-beacon-registration>

International Beacon Registration Database Documents (IBRD) (D.xxx Series)

Available at <http://www.cospas-sarsat.org/en/cospas-sarsat-documentation/cs-system-documents/ddocs>

- D.001 - Functional Requirements for the Cospas-Sarsat International Beacon Registration Database, Issue 2
- D.002 - Cospas-Sarsat International Beacon Registration Database (IBRD) Software Maintenance Manual, Issue 1
- D.003 - Cospas-Sarsat International Beacon Registration Database (IBRD) System Maintenance Manual, Issue 1
- D.004 - Operations Plan for the Cospas-Sarsat International Beacon Registration Database, Issue 1 - Revision 4

1.3 Questions or comments

If you have any questions or require additional support for the use of the IBRD, please contact the Database Manager via email at dbadmin@406registration.com

- Page left blank -

PART 2 - BEACON OWNERS, BLOCK OWNERS AND NATIONAL DATA PROVIDERS

- Page left blank -

2.1. User account passwords

a) Single Beacon Owners

Individual passwords are set at time of registration by the person registering the beacon. If you have forgotten your password, please follow the procedure described in the Troubleshooting section to retrieve your password. Each beacon registered requires a password to be created by the user.

b) Block Owners

Owner/operator who manages multiple beacon records under one personally created username.

c) National Data Providers

A National IBRD Point of Contact is designated by each Administration. This person is in charge of distributing the user accounts throughout its Administration. This account is used to register beacons on behalf of beacon owners at a national level.

To request user access for an Administration, a letter using a format similar to the template found at

<http://www.cospas-sarsat.org/en/beacons/beacon-registration/user-account-request-template> must be sent by mail or fax to the Cospas-Sarsat Secretariat. The letter must be signed by the Administration's ICAO, IMO or Cospas-Sarsat representative. Cospas-Sarsat will then reply, by letter, with the user accounts and passwords for further distribution within the Administration by the appointed National IBRD Point of Contact.

If the National password has been lost, please contact the Secretariat (mail@cospas-sarsat.int or +1 514-954-6761)

- Page left blank -

2.2. Register a beacon (Beacon and Block Owners)

To register a beacon as a beacon owner, please complete the following steps.

Go to: <http://www.406registration.com>

Click on “Register a New Beacon” on the home page or click the “Registration” tab.

Select whether you wish to register only one beacon or if you have multiple beacons you wish to manage.

If you wish to group multiple beacon records under one name, you select “many”. Remember your user account.

Read and accept the notice.

Important Notice:

You must agree to the following statements before entering or modifying any International Beacon Registration Database (IBRD) Registration Record.

Cospas-Sarsat is neither responsible nor liable for the accuracy of the data in the IBRD. The data provider is solely responsible for the accuracy all the information entered into the IBRD.

Although the information provided will become a matter of public record, there is no intent to circulate the information furnished beyond its intended purpose, i.e., to assist SAR Services in carrying out their mission of search and rescue and false alert abatement and to the National Administration designated by the country code of the beacon.

Cospas-Sarsat will not be responsible for unauthorised access or unauthorised changes to IBRD registration data that may result from malicious activities. Cospas-Sarsat will, on a best effort basis, implement measures to protect the integrity of the data, however, Cospas-Sarsat does not guarantee that registration information will not be corrupted or lost.

Cospas-Sarsat accepts no liability for loss of life or property that may result from inaccurate or incomplete data.

[Accept](#) [Reject](#)

Enter the Beacon ID twice.

(The beacon ID is the unique 15 character hexadecimal identifier associated with your beacon. It can be found on the beacon label or in the documentation provided by the beacon manufacturer.)

The website will decode your beacon ID and check if the country code or type is allowed to be registered in the database.

Choose a password.

Type it in twice.

Select a security question and type in its answer.

Select **NEXT** to view the next page and enter more details.

If your country has elected not to allow registration by beacon owners you will see a red warning. Click on the question mark to view the contact information.

Follow the registration steps and fill in the required information. Validation of information is done before going to each next step.

Required fields

In order to complete registration, **required fields** must be populated:

Beacon ID

Password

Owner Name

Owner phone number

Owner phone number type (for example: home, cell, work, fax, other)

Emergency contact Name

Emergency contact phone number

Emergency contact phone number type (for example: home, cell, work, fax, other)

Vehicle Type

Vehicle Name (not required for PLB)

MMSI or Call Sign (for EPIRB only)

Vehicle Registration Number (not required for PLB)

Filling in the other fields is not required. However, the more information you provide, the better SAR services can assist you in the event of a distress. For example, the **Additional Data** field can be used to provide information on specific voyage plans and can be regularly updated.

A screenshot of a web browser showing the 'Registration' page, 'Step 1 of 5'. The page has a light blue background. At the top, there are tabs for 'LOGIN' and 'REGISTRATION'. Below the tabs, a progress bar indicates 'Step 1 of 5'. A note says '* Indicates a required field'. There is a 'Send to: Text file' link with a download icon. The main section is titled 'Account Information'. It contains several fields: 'Beacon Hex ID:' with two input boxes and a note '(enter again for validation)'; 'Beacon Type:' with a dropdown menu; 'Country Code:' with a dropdown menu; 'Password:' with two input boxes and a note '(enter again for validation)'; 'Security question:' with a dropdown menu and a question mark icon; and 'Security answer:' with an input box and a question mark icon. At the bottom, there are 'Cancel' and 'Next' buttons.

EXAMPLE: Required fields are marked with an asterisk (*).

Step 1 of 5: All fields required.

Account Information

* Beacon Hex ID:	 	(enter again for validation) ?
Beacon Type:	-	
Country Code:	-	
* Password:	 	(enter again for validation) ?
* Security question:		?
* Security answer:		?

Step 2 of 5:

Owner/Operator information

* Name:		?
Address:		?
City:		?
State/Province:		?
Country:		?
Postal Code:		?
E-mail:		?
* Telephone:		?
Phone Number 2:		
Phone Number 3:		
Phone Number 4:		
Cell phone provider:		

Step 3 of 5:

Vessel information

* Vehicle Type:

* Vessel Name: ?

Vessel color:

Number of life boats:

Number of life rafts:

Radio Equipment: ☐ HF ☐ MF ☐ SSB ☐ VHF ☐ Other ?

Radio Call Sign: ?

INMARSAT: ?

Vessel cellular: ?

MMSI number: ?

MMSI (Decoded):

Length overall: ?

Capacity (crew and passengers):

* Vehicle Registration Number:

Vehicle Nationality: ?

Equipped with Simplified Voyage Data Recorder:

Additional Vehicle/Usage Information: ?

At least one of four

Step 4 of 5:

EPIRB Information		
Manufacturer:		?
Model No.:		?
C-S Type Approval Number:		?
Activation Method:		?
Beacon Homing Device:		?
Additional Beacon Information:		?

Step 5 of 5:

24 hour emergency contact information		
* Name of Primary 24-Hour Emergency Contact:		?
Primary Contact Address Line 1:		
Primary Contact Address Line 2:		
* Telephone:		?
Primary Phone Number 2:		
Primary Phone Number 3:		
Primary Phone Number 4:		
Name of Alternate 24-Hour Emergency Contact:		?
Alternate Contact Address Line 1:		
Alternate Contact Address Line 2:		
Alternate Phone Number 1:		
Alternate Phone Number 2:		
Alternate Phone Number 3:		
Alternate Phone Number 4:		

After clicking **SAVE**, a window will pop-up confirming successful registration. If you have entered a valid email address, you will also receive a confirmation email.

- Page left blank -

2.3 Access an existing beacon record

View or update registration information

If you need to view or amend the registration information associated with a beacon, please complete the following steps.

Go to:

<http://www.406registration.com>

For single beacon owners:
Enter the beacon ID and password.

For block owners, enter the username you have created and the password.

Click Login.



Read and accept the notice.

Important Notice:

You must agree to the following statements before entering or modifying any International Beacon Registration Database (IBRD) Registration Record.

Cospas-Sarsat is neither responsible nor liable for the accuracy of the data in the IBRD. The data provider is solely responsible for the accuracy of all the information entered into the IBRD.

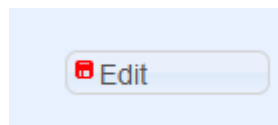
Although the information provided will become a matter of public record, there is no intent to circulate the information furnished beyond its intended purpose, i.e., to assist SAR Services in carrying out their mission of search and rescue and false alert abatement and to the National Administration designated by the country code of the beacon.

Cospas-Sarsat will not be responsible for unauthorized access or unauthorized changes to IBRD registration data that may result from malicious activities. Cospas-Sarsat will, on a best effort basis, implement measures to protect the integrity of the data, however, Cospas-Sarsat does not guarantee that registration information will not be corrupted or lost.

Cospas-Sarsat accepts no liability for loss of life or property that may result from inaccurate or incomplete data.

[Accept](#) [Reject](#)

You will see the entire beacon information in one single page. To edit your information, click on **“EDIT”** at the top of the page.



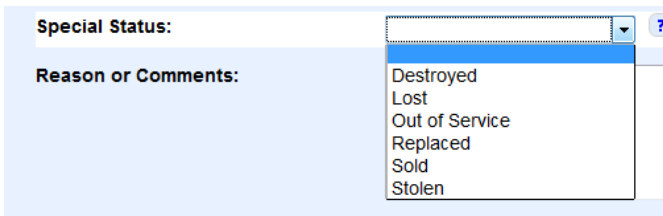
For Block Owners, look under the Search tab, you will see all related beacons. Select one beacon record by clicking on it.

a) Change Beacon Status

If your beacon has been lost, stolen, sold, replaced, destroyed or out of service, you can change its status by clicking **EDIT** on the beacon record. The "Special Status" box is in Step 1.

When you see this page, select the appropriate status for your beacon.

You can also enter comments or information for that beacon. When you are done, click **SAVE**.



The screenshot shows a web form with a light blue background. On the left, there are two labels: "Special Status:" and "Reason or Comments:". To the right of "Special Status:" is a dropdown menu that is currently open, displaying a list of status options: "Destroyed", "Lost", "Out of Service", "Replaced", "Sold", and "Stolen". The "Out of Service" option is highlighted in blue. To the right of the dropdown menu is a small blue circle with a white question mark icon.

b) Change Beacon Password

At any time, you can change the beacon's password. To do so, login and click on **EDIT**. The password field is in Step 1. When you are done, click on **SAVE**.



The screenshot shows a web form with a light blue background. On the left, there is a label: "* Password:". To the right of this label are two password input fields. The first field is filled with ten asterisks. The second field is also filled with ten asterisks and has the text "(enter again for validation)" to its right. To the right of the second password field is a small blue circle with a white question mark icon.

2.4 Access National Beacons (National Data Providers)

National beacons are beacons that have been input by National Data Providers. The National Data Provider is a national administration that has informed Cospas-Sarsat of their decision to make use of the IBRD to allow 24-hour access to 406 MHz beacon registration data for all or some beacons encoded with their country code(s), while retaining full responsibility for the collection, control and updates of all registration data associated with these beacons.

Note: If a beacon has been individually registered (i.e. by the beacon owner), it can be viewed but not edited, in order to retain data integrity.

Go to:

<http://www.406registration.com>

Enter the provided username and password. Click **LOGIN**.

Read and accept the notice.

Important Notice:

You must agree to the following statements before entering or modifying any International Beacon Registration Database (IBRD) Registration Record.

Cospas-Sarsat is neither responsible nor liable for the accuracy of the data in the IBRD. The data provider is solely responsible for the accuracy of the information entered into the IBRD.

Although the information provided will become a matter of public record, there is no intent to circulate the information furnished beyond its intended purpose, i.e., to assist SAR Services in carrying out their mission of search and rescue and false alert abatement and to the National Administration designated by the country code of the beacon.

Cospas-Sarsat will not be responsible for unauthorized access or unauthorized changes to IBRD registration data that may result from malicious activities. Cospas-Sarsat will, on a best effort basis, implement measures to protect the integrity of the data, however, Cospas-Sarsat does not guarantee that registration information will not be corrupted or lost.

Cospas-Sarsat accepts no liability for loss of life or property that may result from inaccurate or incomplete data.

[Accept](#) [Reject](#)

National Data Provider Options

Registration Tab:

Allows individual beacon registration.

Search Tab:

Allows viewing of all beacon records with the Administration's country codes.

Allows importing of multiple beacon records at once.

Allows exporting of beacon records.

The screenshot shows the 'SEARCH' tab selected in the top navigation bar. Below the navigation bar, there are four search criteria fields: 'Beacon Hex ID', 'Radio Call Sign', 'Vessel Name', and 'MMSI number'. Each field has a dropdown arrow and a red '[x]' icon. Below these fields is an 'Add search criteria' button. Further down are 'Search' and 'Clear' buttons. At the bottom, it says 'Total records: 0 | Page: 1 of 0 | Records per page: 25'. On the right side, there are links for 'Import' and 'Export'. The main content area displays 'No matches'.

Admin Tab:

Allows the country to decide if they allow individual beacon registration by users.

a) New registration by National Data Provider

To register beacons individually, click on "Registration tab".

Enter the beacon ID twice.

Create a password and enter it twice.

Select a security question and type in the answer.

Click **NEXT**.

The screenshot shows the 'Registration' tab selected in the top navigation bar. The page is titled 'Step 1 of 5'. Below the title, there is a note: '* Indicates a required field'. On the right, there is a 'Send to: Text file' button. The main form is titled 'Account Information' and contains the following fields: 'Beacon Hex ID' (with a note '(enter again for validation)'), 'Beacon Type', 'Country Code', 'Password' (with a note '(enter again for validation)'), 'Security question' (with a dropdown menu), and 'Security answer'. At the bottom, there are 'Cancel' and 'Next' buttons.

Fill out the form according to the type of beacon you are registering.

Required fields

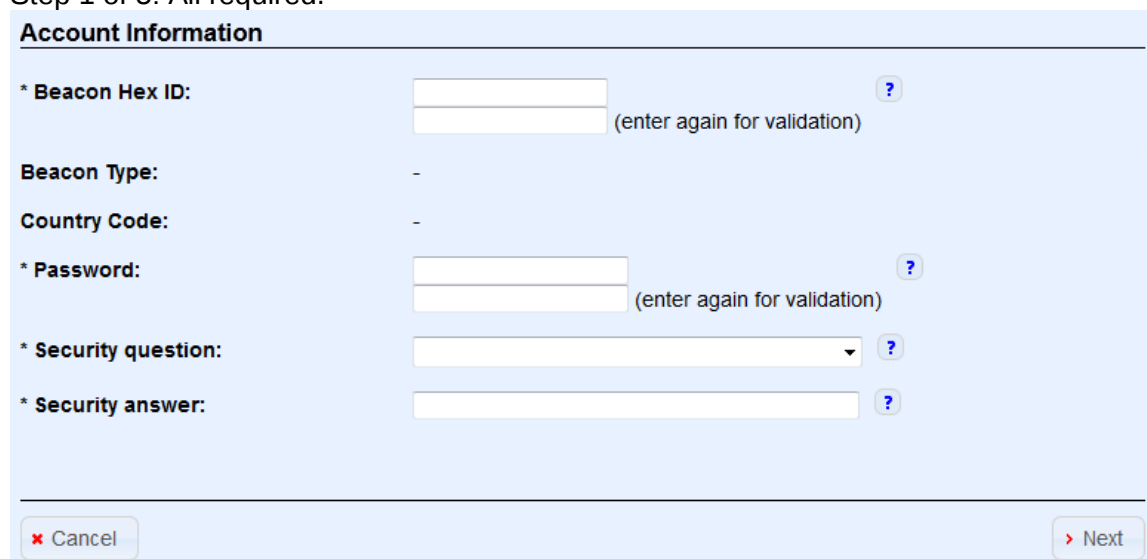
In order to complete registration, **required fields** must be populated:

Beacon ID
Password
Owner Name
Owner phone number
Owner phone number type (for example: home, cell, work, fax, other)
Emergency contact Name
Emergency contact phone number
Emergency contact phone number type (for example: home, cell, work, fax, other)
Vehicle Type
Vehicle Name (not required for PLB)
MMSI or Call Sign (for EPIRB only)
Vehicle Registration Number (not required for PLB)

Filling in the other fields is not required. However, the more information you provide, the better SAR services can assist you in the event of a distress. For example, the **Additional Data** field can be used to provide information on specific voyage plans and can be regularly updated.

EXAMPLE: Required fields are marked with an asterisk (*).

Step 1 of 5: All required.



Account Information

* Beacon Hex ID: (enter again for validation) ?

Beacon Type: -

Country Code: -

* Password: (enter again for validation) ?

* Security question: ?

* Security answer: ?

Step 2 of 5:

Owner/Operator information		
* Name:		?
Address:		?
City:		?
State/Province:		?
Country:		?
Postal Code:		?
E-mail:		?
* Telephone:		?
Phone Number 2:		
Phone Number 3:		
Phone Number 4:		
Cell phone provider:		

Step 3 of 5:

Vessel information

* Vehicle Type:

* Vessel Name: ?

Vessel color:

Number of life boats:

Number of life rafts:

Radio Equipment: ☐ HF ☐ MF ☐ SSB ☐ VHF ☐ Other ?

Radio Call Sign: ?

INMARSAT: ?

Vessel cellular: ?

MMSI number: ?

MMSI (Decoded):

Length overall: ?

Capacity (crew and passengers):

* Vehicle Registration Number:

Vehicle Nationality: ?

Equipped with Simplified Voyage Data Recorder:

Additional Vehicle/Usage Information: ?

At least one of four

Step 4 of 5:

EPIRB Information		
Manufacturer:		?
Model No.:		?
C-S Type Approval Number:		?
Activation Method:		?
Beacon Homing Device:		?
Additional Beacon Information:		?

Step 5 of 5:

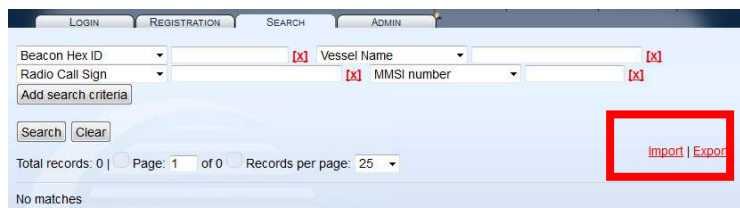
24 hour emergency contact information		
* Name of Primary 24-Hour Emergency Contact:		?
Primary Contact Address Line 1:		
Primary Contact Address Line 2:		
* Telephone:		?
Primary Phone Number 2:		
Primary Phone Number 3:		
Primary Phone Number 4:		
Name of Alternate 24-Hour Emergency Contact:		?
Alternate Contact Address Line 1:		
Alternate Contact Address Line 2:		
Alternate Phone Number 1:		
Alternate Phone Number 2:		
Alternate Phone Number 3:		
Alternate Phone Number 4:		

After clicking **SAVE**, a window will pop-up confirming successful registration.

b) Uploading (Import) beacons using an XML file

XML: eXensible Markup Language, is a flexible way to create common information formats and share both the format and the data on the World Wide Web, intranets, and elsewhere. The IBRD accepts this type of format for the upload of records as described in the Cospas-Sarsat document D.004 - Operations Plan for the Cospas-Sarsat International 406 MHz Beacon Registration Database.

From the “**Search**” tab, click “**Import**”.

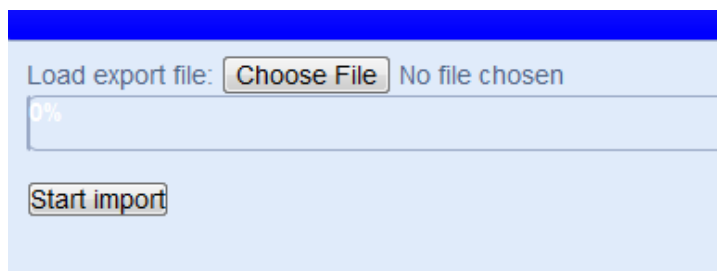


The screenshot shows the 'SEARCH' tab selected in the top navigation bar. Below the navigation bar, there are search criteria fields: 'Beacon Hex ID', 'Radio Call Sign', 'Vessel Name', and 'MMSI number'. Each field has a red 'X' icon to its right. There are 'Add search criteria', 'Search', and 'Clear' buttons. Below these, it says 'Total records: 0 | Page: 1 of 0 | Records per page: 25'. At the bottom, it says 'No matches'. In the bottom right corner, there is a red box around the 'Import | Export' link.

A window asking to choose a file will appear.

Click on “**Choose File**”

When the “Choose file” window appears, select the location where your XML file will be saved.



The screenshot shows a dialog box titled 'Load export file:'. It contains a 'Choose File' button and the text 'No file chosen'. Below this, there is a progress bar showing '0%'. At the bottom, there is a 'Start import' button.

Select your file and click **Open**.

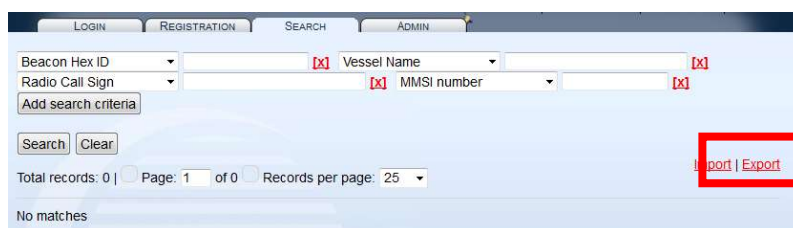
Then, click “**Start import**”.

c) Download (Export) Records from IBRD

This option allows the National Data Provider to download or export a list of beacons registered by the Administration. After downloading the data, it can easily be imported into a database software or spreadsheet.

On the “**Search**” tab, you can narrow your search by using different criteria provided in the drop-down menus.

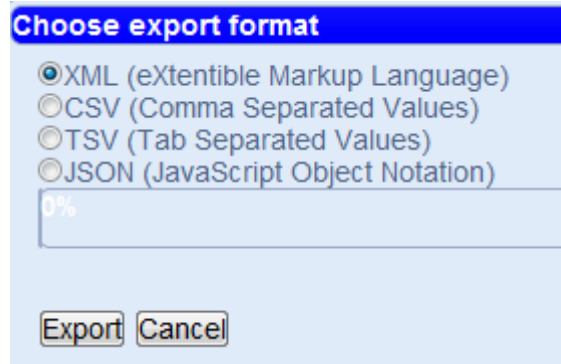
Click “**Export**”.



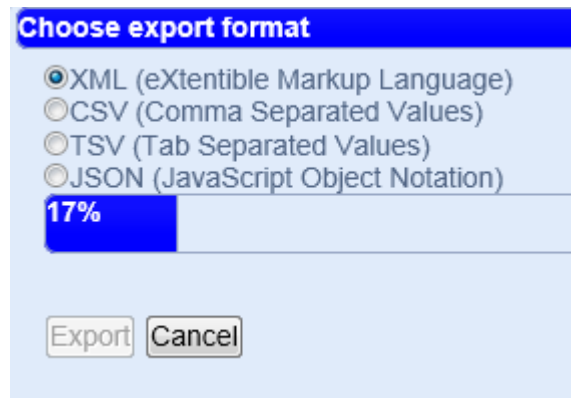
This screenshot is identical to the one in the previous section, showing the 'SEARCH' tab with search criteria fields and the 'Import | Export' link highlighted with a red box.

When the *Choose export format* window appears, select the format you wish to use.

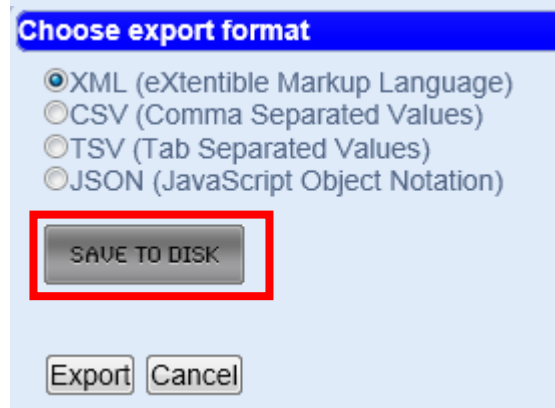
Then click “**Export**”.



The file will be prepared and you will see the progress bar.



Once the file is ready to be saved, you can click on “**SAVE TO DISK**”.



Select the location where you want to save your file.

Click **SAVE**.



d) View or update registration information

If you need to view or amend the registration information associated with a beacon, please complete the following steps:

After logging in as the National Data Provider, click on the **SEARCH** tab.

A list of beacons registered under your country code will appear.

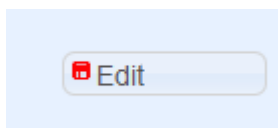
**The National Data Provider can view all records, but can only edit the ones they have entered themselves.*

Click the beacon record you wish to edit. It will appear in View Only mode.

Click the **EDIT** button to enter the form.

Enter the updated information and click **SAVE** at the bottom of the step when you are done.

You can always come back and update more information whenever you require.

A screenshot of a web application's search interface. At the top, there are tabs labeled 'List', 'Registration', 'Search', and 'Admin'. Below the tabs, there are four search criteria fields: 'Beacon Hex ID', 'Radio Call Sign', 'Vessel Name', and 'IMSI number'. Each field has a dropdown arrow and a red 'X' icon. Below these fields is a 'Search' button and a 'Clear' button. At the bottom, there is a status bar showing 'Total records: 0', 'Page: 1 of 0', and 'Records per page: 25'. There is also a red 'Import / Export' button on the right side.

e) Acknowledge confirmation request

Every two years, an email is sent if a valid email address has been provided with the beacon registration. This email serves as a reminder to the recipient to update the beacon registration information. As a National Data Provider, you can decide whether or not you wish the beacon owner to receive a confirmation request.

f) Working Offline

An offline feature is available for areas where the internet connection may be intermittent or slow. To use the website offline, first visit the website while connected. Then click on **“WORK OFFLINE”** at the bottom of the page.

COSPAS-SARSAT
International Beacon Registration Database (IBRD)

English

HOME | HELP AND FAQ | CONTACT US

Login | Registration

Username or beacon ID:

Password:

Login

[Forgot password?](#)

Beacon Owners:
Enter your beacon ID and the password you have established when you registered your beacon.

National Data Providers, Search and Rescue (SAR) authorities, or Authorized ship and aircraft inspectors and maintenance facilities:
Enter your username and password as issued by Cospas-Sarsat.

For support use the contact us form.

[Register a new beacon](#)

Note: If you are a national authority, and wish to have access to the database, please contact us to open a new account. [Click here to learn more.](#)

HOME | HELP AND FAQ | CONTACT US | **WORK OFFLINE**

HTTP://WWW.COSPAS-SARSAT.INT

International Cospas-Sarsat Programme
Phone: +1 514 354 6701 700 de la Goucheville West, Suite 2450
Fax: +1 514 354 6750 Montreal, Quebec H3B 5A2 Canada

Web application developed by Adco for the International Cospas-Sarsat Programme

After clicking “Work offline”, a notice will appear.

You are working locally. Data will not be saved on server until you export and re-import selected records to online mode. [Click here to return to online now.](#)

COSPAS-SARSAT
International Beacon Registration Database (IBRD)

English

HOME | HELP AND FAQ | CONTACT US

Login | Registration

Logged Out Successfully

Username or beacon ID:

Password:

Login

[Forgot password?](#)

Beacon Owners:
Enter your beacon ID and the password established when you registered your b

National Data Providers, Search and (SAR) authorities, or Authorized shi
aircraft inspectors and maintenance
Enter your username and password as
Cospas-Sarsat.

For support use the contact us form.

IMPORTANT NOTICE

You are about to enter offline mode.

This means you are working with data that is stored only on your local computer. Changes you make will not be reflected in the central IBRD system.

To send data back to the server, create an export file, and re-import when you have returned to online mode.

OK

orty, and wish to have access to the open a new account. [Click here to](#)

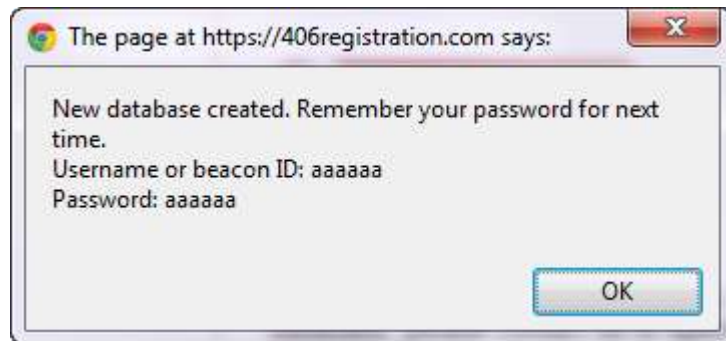
Enter any username and password you wish.

Please remember this account if you expect to work on the same data again.

Anything you do will be saved locally on your machine.

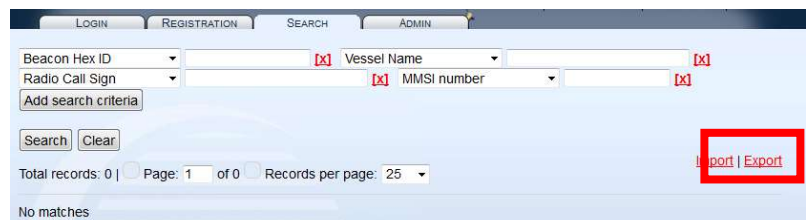
Once you are ready to connect, you must export your records to a file, then return online, and import your file.

Go to the “**Search**” tab. You will see all records previously saved on your computer.



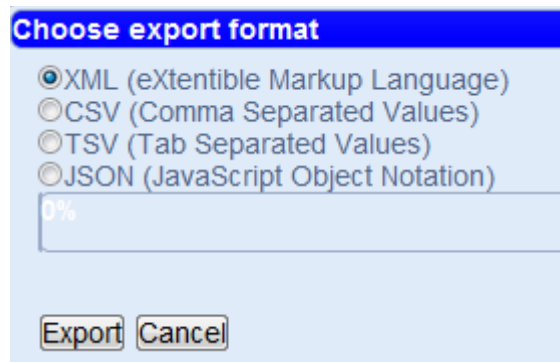
On the “Search” tab, you can narrow your search to different criteria.

Click “**Export**”.

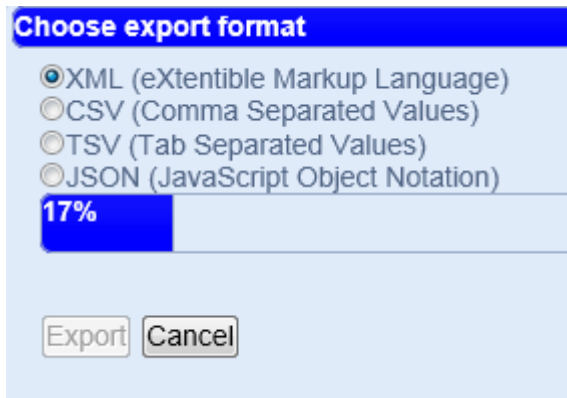


When the *Choose export format* window appears, select the format you wish to use.

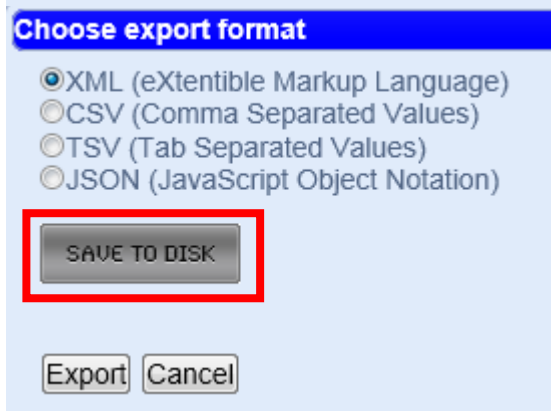
Then click “**Export**”.



The file will be prepared and you will see the progress bar.



Once the file is ready to be saved, you can click on **"SAVE TO DISK"**.



Select the location where you want to save your file in.

Click **SAVE**.

Remember where you saved your file.



When you are ready to go online, click in the red bar at the top: **“Click here to return online now”**.

A notice will appear, saying you are going back online.

Enter your National Data Provider user account to log in and import your file.

Follow the steps at letter b) to import your records.



Appendices

Appendix 1 - View of EPIRB registration form

Appendix 2 - View of ELT registration form

Appendix 3 - View of PLB registration form

***Cospas-Sarsat only accepts registration via the online interface.
These forms are only provided to allow users to collect the appropriate data.

Appendix 1 - View of EPIRB registration form

EXAMPLE: Required fields are marked with an asterisk (*).

Account Information	
* Beacon Hex ID:	 (enter again for validation) ?
Beacon Type:	-
Country Code:	-
* Password:	 (enter again for validation) ?
* Security question:	?
* Security answer:	?
Owner/Operator information	
* Name:	?
Address:	?
City:	?
State/Province:	?
Country:	?
Postal Code:	?
E-mail:	?
* Telephone:	?
Phone Number 2:	
Phone Number 3:	
Phone Number 4:	
Cell phone provider:	

Vessel information

* Vehicle Type:

* Vessel Name: ?

Vessel color:

Number of life boats:

Number of life rafts:

Radio Equipment: ☐ HF ☐ MF ☐ SSB ☐ VHF ☐ Other ?

Radio Call Sign: ?

INMARSAT: ?

Vessel cellular: ?

MMSI number: ?

MMSI (Decoded):

Length overall: ?

Capacity (crew and passengers):

* Vehicle Registration Number:

Vehicle Nationality: ?

Equipped with Simplified Voyage Data Recorder:

Additional Vehicle/Usage Information: ?

At least one of four

EPIRB Information

Manufacturer:		?
Model No.:		?
C-S Type Approval Number:		?
Activation Method:		?
Beacon Homing Device:		?
Additional Beacon Information:		?

24 hour emergency contact information

* Name of Primary 24-Hour Emergency Contact:		?
Primary Contact Address Line 1:		
Primary Contact Address Line 2:		
* Telephone:		?
Primary Phone Number 2:		
Primary Phone Number 3:		
Primary Phone Number 4:		
Name of Alternate 24-Hour Emergency Contact:		?
Alternate Contact Address Line 1:		
Alternate Contact Address Line 2:		
Alternate Phone Number 1:		
Alternate Phone Number 2:		
Alternate Phone Number 3:		
Alternate Phone Number 4:		

Appendix 2 - View of ELT registration form

Account Information		
* Beacon Hex ID:	 	? (enter again for validation)
Beacon Type:	-	
Country Code:	-	
* Password:	 	? (enter again for validation)
* Security question:		?
* Security answer:		?
Owner/Operator information		
* Name:		?
Address:		?
City:		?
State/Province:		?
Country:		?
Postal Code:		?
E-mail:		?
* Telephone:		?
Phone Number 2:		
Phone Number 3:		
Phone Number 4:		
Cell phone provider:		

Aircraft information

* Vehicle Type:		v
Aircraft Manufacturer:		?
Aircraft Model:		?
Aircraft color:		
Aircraft Operating Agency:		?
Radio Equipment:	☐ HF ☐ MF ☐ SSB ☐ VHF ☐ Other	?
Deployable survival crafts/equipment:		
Fixed survival crafts/equipment:		
Length overall:		?
Capacity (crew and passengers):		
* Vehicle Registration Number:		
Aircraft 24 Bit Address:		?
Aircraft 24 Bit Address (Decoded):		
Aircraft nationality:		?
Additional Vehicle/Usage Information:		?

ELT Information

Manufacturer:		?
Model No.:		?
C-S Type Approval Number:	123	?
Activation Method:		?
Beacon Homing Device:		?
Additional Beacon Information:		?

24 hour emergency contact information

* Name of Primary 24-Hour Emergency Contact:		?
Primary Contact Address Line 1:		
Primary Contact Address Line 2:		
* Telephone:		?
Primary Phone Number 2:		
Primary Phone Number 3:		
Primary Phone Number 4:		
Name of Alternate 24-Hour Emergency Contact:		?
Alternate Contact Address Line 1:		
Alternate Contact Address Line 2:		
Alternate Phone Number 1:		
Alternate Phone Number 2:		
Alternate Phone Number 3:		
Alternate Phone Number 4:		

Appendix 3 - View of PLB registration form

Account Information	
* Beacon Hex ID:	 (enter again for validation) ?
Beacon Type:	-
Country Code:	-
* Password:	 (enter again for validation) ?
* Security question:	?
* Security answer:	?
Owner/Operator information	
* Name:	?
Address:	?
City:	?
State/Province:	?
Country:	?
Postal Code:	?
E-mail:	?
* Telephone:	?
Phone Number 2:	
Phone Number 3:	
Phone Number 4:	
Cell phone provider:	
Vehicle information	
* Vehicle Type:	
Specific Usage:	?
Additional Vehicle/Usage Information:	?

24 hour emergency contact information

* Name of Primary 24-Hour Emergency Contact: ?

Primary Contact Address Line 1:

Primary Contact Address Line 2:

* Telephone: ?

Primary Phone Number 2:

Primary Phone Number 3:

Primary Phone Number 4:

Name of Alternate 24-Hour Emergency Contact: ?

Alternate Contact Address Line 1:

Alternate Contact Address Line 2:

Alternate Phone Number 1:

Alternate Phone Number 2:

Alternate Phone Number 3:

Alternate Phone Number 4:

PART 3 - NATIONAL SAR SERVICES AND AUTHORIZED INSPECTORS

- Page left blank -

3.1. SAR Services and Inspectors User Accounts

a) SAR Services Account

This account allows the search and rescue (SAR) services to browse existing beacon records in the IBRD to obtain valuable information about the owner, vehicle, whereabouts, etc. All SAR services should have access for use in distress situations.

b) Authorized Ship and Aircraft Inspectors and Maintenance Facilities

This account is for the inspectors and maintenance personnel who wish to confirm that a beacon has been registered. This access does not allow visibility into owner/operator information and is used only to confirm that a beacon is properly registered.

To request user access for an Administration, a letter using a format similar to the template found at <http://www.cospas-sarsat.org/en/beacons/beacon-registration/user-account-request-template> must be sent by mail or fax to the Cospas-Sarsat Secretariat. The letter must be signed by the Administration's ICAO, IMO or Cospas-Sarsat representative. Cospas-Sarsat will then reply, by letter, with the user accounts and passwords, for further distribution within the Administration by the appointed National IBRD Point of Contact.

If the National password has been lost, please contact the Secretariat
(mail@cospas-sarsat.int or +1 514-954-6761)

3.2. Beacon Search for SAR Services

Go to
www.406registration.com.

Log in using the username and password provided to your National IBRD Point of Contact by Cospas-Sarsat.



The screenshot shows the Cospas-Sarsat International Beacon Registration Database (IBRD) login page. At the top, there is a header with the Cospas-Sarsat logo and navigation links: Home, Help and FAQ, and Contact Us. Below the header, there is a login section with fields for 'Username (or beacon ID)' and 'Password', and a 'Login' button. A link for 'Forgot password?' is also present. To the right of the login section, there is a 'Register a new Beacon' button and a note for national authorities. Below the login section, there is a section for 'Beacon Owners' and 'National Data Providers, Search and Rescue (SAR) authorities, or Authorized ship and aircraft inspectors and maintenance facilities', with instructions on how to enter their details. At the bottom, there is a link to 'For support use the contact us form.'

Information on password request procedures can be found at <http://www.cospas-sarsat.org/en/cospas-sarsat-documentation/cs-system-documents/ddocs> To determine if your country has been issued an account, please email DBAdmin@406registration.com. NOTE: This email account is monitored only during normal business hours (8:00 to 16:00, Eastern Standard Time).

Read and accept the notice.

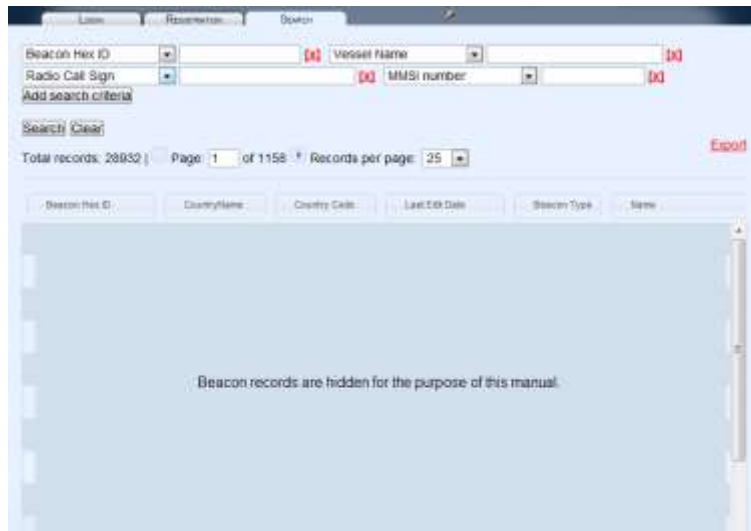
You must agree to the following statements before querying the IBRD.

Registration data obtained from the IBRD will be used for Search and Rescue purposes only.

Cospas-Sarsat does not guarantee the accuracy or completeness of the data and accepts no liability for loss of life or property which may result from inaccurate or incomplete data.

[Accept](#) [Reject](#)

After accepting the notice, you will be directed to the Search tab, where all beacon records are available for viewing.



The screenshot shows the Search tab of the Cospas-Sarsat IBRD. It features a search form with fields for 'Beacon Hex ID', 'Vessel Name', 'Radio Call Sign', and 'MMSI number'. There is a 'Search' button and a 'Clear' button. Below the search form, there is a summary of the search results: 'Total records: 28832', 'Page: 1 of 1158', and 'Records per page: 25'. There is also an 'Export' button. At the bottom, there is a table with columns for 'Beacon Hex ID', 'Country Name', 'Country Calls', 'Last EOR Date', 'Beacon Type', and 'Name'. The table is currently empty, and a message states: 'Beacon records are hidden for the purpose of this manual.'

a) Search for a specific beacon ID (hex ID) or type

Enter the beacon ID and leave everything else blank.
Then, click the button.

Please note: If the beacon ID entered in the search field belongs to an Administration that does not allow individual registration in the IBRD, the point of contact for that beacon's national registry appears on the screen. This information can also be found at www.cospas-sarsat.org under the "Contacts" menu, under Beacon Registers (Available 24/7 for SAR Services) .

If the beacon ID entered in the search field contains a country code allowed in the IBRD and happens to not be registered you will simply see "results 0 of 0 records found".

b) View a beacon

Simply click on a beacon record. The "Registration" tab will appear and you will see the information.

c) Search options

For your convenience, 4 search fields are available.

You can click any drop-down list and select other search criteria.

The screenshot displays the search interface of the IBRD. At the top, there are four search criteria fields: "Beacon Hex ID", "Vessel Name", "Radio Call Sign", and "MMSI number". Each field has a dropdown arrow and a red "x" icon. Below these fields is an "Add search criteria" button. Further down are "Search" and "Clear" buttons. At the bottom left, it shows "Total records: 28932" and "Page: 1 of 1158". To the right of the page information is a "Records per page: 25" dropdown and an "Export" link. A dropdown menu is open for the "Beacon Hex ID" field, showing a list of search criteria: "Beacon Hex ID", "Beacon Type", "Country Code", "CountryName", "Last Edit Date", "Special Status", "Vessel Name", "Radio Call Sign", "MMSI number", and "Vehicle Registration Number".

d) Sort-by options

Click the top of the column to sort the information by that criterion.

You can scroll to the right to see more column headers.

The screenshot shows the column headers for the search results. The headers are: "Beacon Hex ID", "CountryName", "Country Code", "Last Edit Date", "Beacon Type", and "Name". Each header is enclosed in a light blue box.

e) General search using wildcards

Add only one "*" (asterisk) at the beginning or the end of the filter criteria.
Enter at least 3 characters for a wildcard search on the beacon ID.
For other fields, one character and * is enough.

Example of wildcard search:

abc* or **R*** or **3BF*** or **v***

f) Export your search

Click "**Export**" at the right side of the screen
You can then import this file into Excel, Access or other database programs.

On the "**SEARCH**" tab, you can narrow your search to different criteria.

Click "**Export**".

The screenshot shows the 'SEARCH' tab of the IBRD interface. It features search fields for 'Beacon Hex ID', 'Radio Call Sign', 'Vessel Name', and 'MMSI number'. Below these fields are 'Search' and 'Clear' buttons. At the bottom, it displays 'Total records: 0', 'Page: 1 of 0', and 'Records per page: 25'. A red box highlights the 'Import | Export' links in the bottom right corner.

When the *Choose export format* window appears, select the format you wish to use.

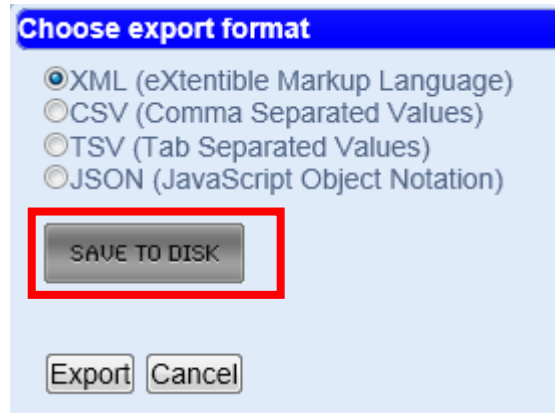
Then click "**Export**".

The screenshot shows the 'Choose export format' dialog box. It has a blue header and four radio button options: 'XML (eXtensible Markup Language)', 'CSV (Comma Separated Values)', 'TSV (Tab Separated Values)', and 'JSON (JavaScript Object Notation)'. The 'XML' option is selected. Below the options is a progress bar showing '0%'. At the bottom are 'Export' and 'Cancel' buttons.

The file will be prepared and you will see the progress bar.

This screenshot is identical to the previous one, showing the 'Choose export format' dialog box with 'XML' selected and a progress bar. In this instance, the progress bar shows '17%'.

Once the file is ready to be saved, you can click on “**SAVE TO DISK**”.



Select the location where you want to save your file in.

Click **SAVE**.



- Page left blank -

3.3. Beacon Search for Authorized Inspectors

This section is for the ship and aircraft inspectors and for maintenance personnel. Inspectors may have to confirm that a beacon is registered properly according to the Administration's standards. Inspectors can log in and verify that the beacon has been registered. *Only the beacon information and the vessel/aircraft information are made available.* This type of account does not allow access to owner or emergency contact information.

Go to
www.406registration.com.

Log in using the username and password provided to your National IBRD Point of Contact by Cospas-Sarsat.

Information on password request procedures can be found at <http://www.cospas-sarsat.org/en/cospas-sarsat-documentation/cs-system-documents/ddocs>. To determine if your country has been issued an account, please email DBAdmin@406registration.com. NOTE: This email account is monitored only during normal business hours (8:00 to 16:00, Eastern Standard Time).

Read and accept the notice.

After accepting the notice, you will be directed to the Search tab, where all beacon records are available for viewing.

a) Search for a specific beacon ID (hex ID) or type

Enter the beacon ID and leave everything else blank.
Then, click the Search button.

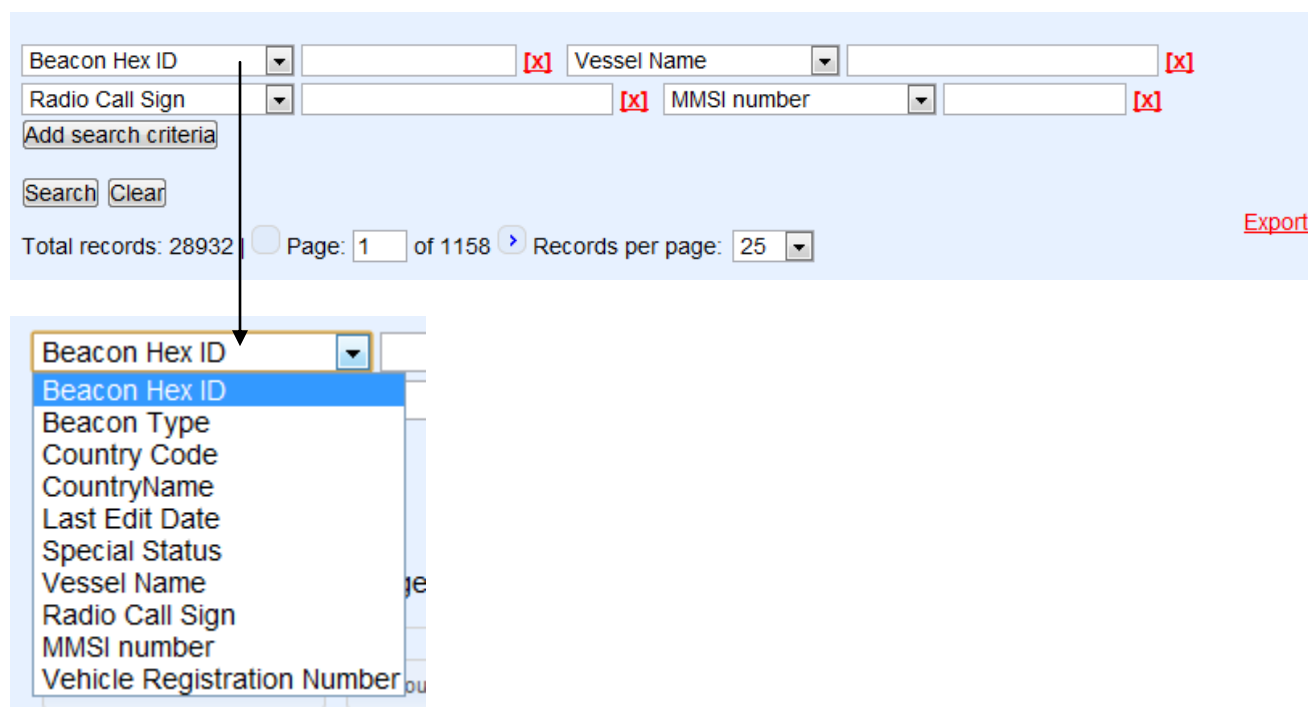
Please note: If the beacon ID entered in the search field belongs to an Administration that does not allow individual registration in the IBRD, the point of contact for that beacon's national registry appears on the screen. This information can also be found at www.cospas-sarsat.org under the "Contacts" menu, under Beacon Registers (Available 24/7 for SAR Services) .
If the beacon ID entered in the search field contains a country code allowed in the IBRD and happens to not be registered you will simply see "results 0 of 0 records found".

b) View a beacon

Simply click on a beacon record. The "Registration" tab will appear and you will see the information. Only information related to the beacon will be available. No contact information.

c) Search options

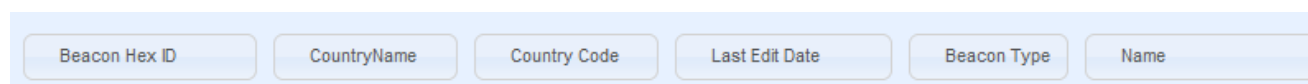
For your convenience, 4 search fields have been made available.
You can click any drop-down list and select other search criteria.



The screenshot displays a search interface with four search criteria fields: "Beacon Hex ID", "Radio Call Sign", "Vessel Name", and "MMSI number". Each field has a dropdown arrow and a red "x" icon. Below the fields is an "Add search criteria" button, a "Search" button, and a "Clear" button. At the bottom, it shows "Total records: 28932", "Page: 1 of 1158", and "Records per page: 25". An "Export" link is on the right. A dropdown menu is open for the "Beacon Hex ID" field, showing a list of search criteria: "Beacon Hex ID", "Beacon Type", "Country Code", "CountryName", "Last Edit Date", "Special Status", "Vessel Name", "Radio Call Sign", "MMSI number", and "Vehicle Registration Number".

d) Sort-by options

Click the top of the column to sort the information by that criterion.
You can scroll to the right to see more column headers.



The screenshot shows a row of column headers for a table: "Beacon Hex ID", "CountryName", "Country Code", "Last Edit Date", "Beacon Type", and "Name". Each header is enclosed in a light blue box.

e) General search using wildcards

Add only one "*" (asterisk) at beginning or the end of the filter criteria.

Enter at least 3 characters for a wildcard search on beacon ID.

For other fields, one character and "*" is enough.

Example of wildcard search:

abc* or **R*** or **3BF*** or **v***

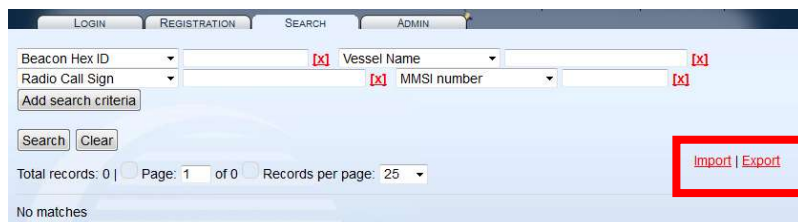
f) Export your search

Click "**Export**" at the right side of the screen

You can then import this file into Excel, Access or other database programs.

On the "**Search**" tab, you can narrow your search to different criteria.

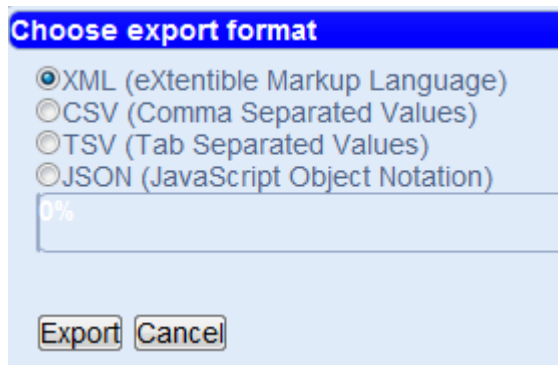
Click "Export".



The screenshot shows the 'SEARCH' tab of the IBRD interface. It features search criteria for 'Beacon Hex ID', 'Radio Call Sign', 'Vessel Name', and 'MMSI number'. Below these are 'Search' and 'Clear' buttons. At the bottom, it displays 'Total records: 0', 'Page: 1 of 0', and 'Records per page: 25'. A red box highlights the 'Import | Export' link in the bottom right corner.

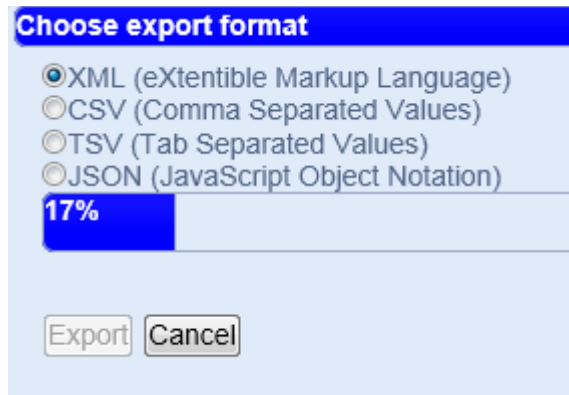
When the *Choose export format* window appears, select the format you wish to use.

Then click "Export".



The screenshot shows the 'Choose export format' dialog box. It has four radio button options: 'XML (eXtensible Markup Language)', 'CSV (Comma Separated Values)', 'TSV (Tab Separated Values)', and 'JSON (JavaScript Object Notation)'. The 'XML' option is selected. Below the options is a progress bar showing '0%'. At the bottom are 'Export' and 'Cancel' buttons.

The file will be prepared and you will see the progress bar.



This screenshot is identical to the previous one, showing the 'Choose export format' dialog box with 'XML' selected and a progress bar. In this instance, the progress bar shows '17%'.

Choose export format

☒ XML (eXtensible Markup Language)
☐ CSV (Comma Separated Values)
☐ TSV (Tab Separated Values)
☐ JSON (JavaScript Object Notation)

SAVE TO DISK

Export Cancel

[illegible]

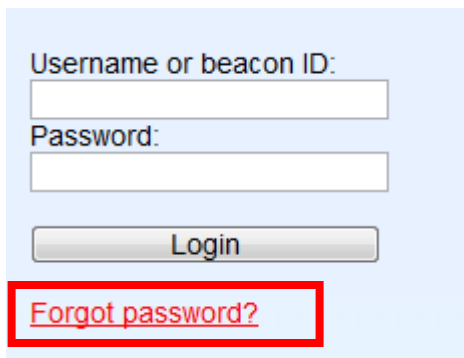
PART 4 - TROUBLESHOOTING

- Page left blank -

4. Troubleshooting

a) Forgot the password?

Click on “Forgot Password?” from the Home page.



Username or beacon ID:

Password:

[Forgot password?](#)

Option 1: Provide your username or beacon ID. The security question associated to the record will appear. Enter the answer. Click “**Verify**”.

Option 2: Enter your username, email address or beacon ID. An email including a reset link will be sent to the email address in the record.



Password reset request
Reset your IBRD password

Option 1
Answer your security question correctly and proceed to reset your
Username or beacon ID:
Question: -----
Answer:

Option 2
Enter your username or email and we'll email you a password reset
Username, email or beacon ID:

Option 3
Contact us for password assistance.

If you do not have access to that email account, please call the Cospas-Sarsat Secretariat's Database Manager. You will need to know the beacon ID and the vehicle owner/operator with complete address and phone numbers.

b) Session timed out message

For security reasons, the registration form is active for only 20 minutes. After that time, you must log back in and create your beacon registration again. Your information will not be saved if you didn't click “Submit”.

If you have an unreliable Internet connection, you can fill in the required fields (marked with an asterisk *) then submit your registration. To add more information afterward, you can log back in and continue editing your record.

**ADMINISTRATION NOTIFICATION OF INTENT TO USE THE IBRD
AND REQUEST FOR IBRD USER IDENTIFICATION AND PASSWORD**
(Please modify this form as appropriate and fax or mail to the address below)

International Cospas-Sarsat Programme, 700 de la Gauchetière West, Suite 2450
Montréal, Québec H3B 5M2 Canada Fax: +1 514 954 6750

Dear Sir or Madam:

I would like to request access to the Cospas-Sarsat International Beacon Registration Database (IBRD) on behalf of [**enter country**] for the following purposes (*select as appropriate*):

- ☐ beacon registration or uploading of data by our National Data Provider,
- ☐ IBRD queries by our authorized national SAR services,
- ☐ IBRD queries by our authorized ship and aircraft inspectors and maintenance facilities.

I request that a user identification and password be issued for each of the user categories selected above.

I understand that:

- each user identification and password provided is associated with a different level of access to the IBRD as specified in document C/S D.001, and that it is the responsibility of our National IBRD Point of Contact to appropriately distribute this information locally; and
- it is the responsibility of the data provider to ensure the accuracy and completeness of the data provided.

I designate the following to be [**enter country**]'s **National IBRD Point of Contact***:

Name of Person and Title	
Full Mailing Address	
Phone	
Facsimile	
Email	

* The National IBRD Point of Contact will be the resource person for all questions concerning beacon registration in the Administration (maritime (EPIRB), aviation (ELT) and personal locator beacons (PLB)).

Beacon Registration: Please select one of the following options:

- ☐ Owners of [**ELT, EPIRB, PLB, ALL**] beacons with a [**enter country**] country code (MID) should register ONLINE ONLY at www.406registration.com.
- ☐ Owners of [**ELT, EPIRB, PLB, ALL**] beacons with a [**enter country**] country code (MID) should register locally at:

Organization Managing the Beacon Registry	
Full Mailing Address	
Phone Numbers	
Fax Numbers	
Email and/or website	

Sincerely,
(signature of Cospas-Sarsat Representative or National IMO or ICAO representative)

- END OF DOCUMENT -