



# *Beacon Registration...*



S A R S A T



## Is Your Beacon Registered???

**Some reasons why registration is SO important:**

- **Required by law**
- **Provides an immediate SAR response**
- **Saves SAR resources**
- **Allows us to know who is in possible distress**
- **Allows us to contact YOU**



## **Is Your Beacon Registered???**

***If your EPIRB, ELT or PLB registration has expired, or if any information has changed in the two years since NOAA last contacted you...then you should contact us!***

**By our NEW online registration:**

**[www.beaconregistration.noaa.gov](http://www.beaconregistration.noaa.gov)**

**By Phone: 1-888-212-SAVE or 1-301-817-4515**

**Or, by Fax: 1-301-817-4565**



# **NOAA's On-line Beacon Registration Database (RGDB)**



**NOAA/SARSAT PROGRAM**



# Introduction



- Reasons for having the on-line Registration Database
- Other key requirements implemented
- Key screens for the on-line Database
- Timeline for the Web Based System
- Suggestions on How Beacon Manufacturers and Resellers can help



# Reasons and requirements for having the Online Registration Database



- NOAA USMCC requires a system that automates & facilitates processes for:
  - Registering 406 MHz emergency beacons
  - Robust system to handle anticipated dramatic increase in 406 MHz registrations after 01 February 2009
  - Increase time for USMCC personnel to actively pursue contacting owners that have registrations with expired decals
- The life-and-death nature of SAR demands that the system:
  - Provide high reliability and system responsiveness flawlessly
  - Protect against viruses, hackers, and other threats
- Public policy adds requirements for:
  - Equal access for all operators and users
  - Privacy of personal data
  - Government Paperwork Elimination Act
- Cost-management considerations call for:
  - A COTS-intensive, low-maintenance design
  - Compatibility with existing USMCC hardware and system software



# Online RGDB Considerations Implemented



- System shall allow a hundred concurrent beacon owners to be logged onto the system.
- System shall be available 99.5% of the time.
- System shall assure the security of the information.
- System shall be secure from unauthorized changes.
- Access to the System shall be controlled by a password for user validation.
- Access to parts of the System shall be determined by class of users.
- Users shall not be directly connected to the Registration Database at anytime for security reasons.
- An Intrusion Detection capability shall exist.





# Authentication For Different Type Of Users



- Protection of data within the site
  - NOAA and SAR users will be authenticated by User ID and password
  - Beacon owners will be authenticated by beacon ID and password OR beacon ID, owner name and home telephone number (first time only)
  - Block users will be authenticated by Block ID and password
  - Beacon owners, NOAA and SAR user accounts will be “locked” (deactivated) if the specified number of unsuccessful attempts are exceeded





# A User-Friendly Interface



## NOAA 406 MHz BEACON REGISTRATION DATABASE SYSTEM

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### Beacon Owners

**Please note that a Beacon ID is required to use the on-line system.**

Click [New Registration](#) to register a new beacon.

Click [Access Beacon Previously Registered By Mail](#) to create a password for an existing beacon registration that was registered by mail.

Click [Access Beacon](#) to access existing beacon registration data.

Click [Access Block of Beacons](#) to access a block of existing beacons registration data.

Click [Create Block Account](#) to create a beacon block user account

Click [Forms](#) to get electronic versions of beacon registration forms.

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# New Registrations



## NOAA 406 MHz BEACON REGISTRATION DATABASE SYSTEM

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New Beacon Registration Login	
<i>Note: * Indicates a required field</i>	
*Enter new beacon ID	<input type="text"/> ?
*Enter new beacon ID again to validate	<input type="text"/>
*Enter password for this beacon	<input type="password"/> ?
*Enter password again to validate	<input type="password"/>
*Select security question	[Select a security question] ▼
*Enter security answer	<input type="text"/> ?
<input type="button" value="SUBMIT"/> <input type="button" value="CANCEL"/>	

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# Owner's Contact Information Section



## Official 406 MHz EPIRB Registration Form

SARSAT  
E/SP3, Room 3320, FB-4  
NOAA  
5200 Auth Road  
Suitland, MD 20746-4304

### New Beacon Registration Form

Note: \* indicates required field(s)

#### EPIRB Information

**Beacon ID (Unique Identifier Number)**

ADCE08AD744006D

(15 digit character ID provided by EPIRB manufacturer)

Activation Type CAT2

\*EPIRB Manufacturer

\*Model No

#### Owner/Operator Information

\*Name

(Last, First, Middle Initial)

\*Mailing Address

\*City

State  Province

ZIP (Postal) code  \*Country USA

E-mail

#### Telephone

\*    Home  Work  Cell  Fax  Other

Area Code

Home  Work  Cell  Fax  Other

Area Code

Home  Work  Cell  Fax  Other

Area Code

Home  Work  Cell  Fax  Other

Area Code



# Owner's Vessel/Aircraft/Usage Information Section

## Vessel Information

### \*Usage

- Commercial     Non-commercial  
 Government Military     Government Non-military

### \*Type

- Sail:  Number of Masts
- Power:  Fishing     Tug     Cargo     Tanker     Pleasure Craft  
 Other
- Non-Power:  Life Boat     Life Raft     Other

\*Vessel Name

\*Vessel Color

### Survival Craft(s) on Vessel

Life Boat  Life Raft   
(No. of)                      (No. of)

### Radio Equipment (Check all that apply)

VHF     MF     HF     SSB     Other

### Vessel Telephone Numbers

Radio Call Sign  INMARSAT

Cellular  MMSI Number

Federal or State Registration Number

\*Length Overall (ft)  \*Capacity   
(Crew and Passengers)

\*Homeport

(Marina/Dock)

\*  \*

(City)

(State)

Additional Data





# Owner's Emergency Point of Contact Information Section



## Emergency Contact Information *(Please indicate someone other than the owner)*

\*Name of Primary 24-Hour Emergency Contact

Name of Alternate 24-Hour Emergency Contact

### Telephone

\*    Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

### Telephone

Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

Home  Work  Cell  Fax  Other

Area  
Code

If you have any questions about this form or with EPIRB registration in general, please call 1-888-212-SAVE or 301-457-5678.

For information on the U.S. Search & Rescue Satellite-Aided Tracking system, please visit [www.sarsat.noaa.gov](http://www.sarsat.noaa.gov)

OMB 0648-0295 / exp. 30 November 2004

REGISTER

CANCEL

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# Immediate Beacon Status Changes



## Beacon Registration Database System

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Change Beacon Status	
Beacon ID	F14E9F95DA1ACC5
Select beacon status	<input type="radio"/> Lost <input type="radio"/> Stolen <input type="radio"/> Sold <input type="radio"/> Replaced <input type="radio"/> Destroyed <input type="radio"/> Out of Service <input type="radio"/> Normal
Enter reason or comments	<input type="text"/>
<input type="button" value="SUBMIT"/> <input type="button" value="CANCEL"/>	

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# Automatic Confirmation Requests



## Beacon Registration Database System

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Acknowledge Confirmation Request	
Beacon ID	F14E9F95DA1ACC5
Owner's name <i>(Last, First, Middle Initial)</i>	Smith, John
Owner's telephone number <i>(Home)</i>	703-555-1234
Current status	CONFIRMED
Select status	<input type="radio"/> Confirmed (confirmed with no changes) <input type="radio"/> Change (confirmed with changes)
<input type="button" value="UPDATE"/> <input type="button" value="CANCEL"/>	

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# Multiple Beacon Capability



## NOAA 406 MHz BEACON REGISTRATION DATABASE SYSTEM

Register New Beacon	Register New Beacon Like	View Beacon	Update Beacon	Update All Beacons	Acknowledge Confirmation Request	Change Beacon Status	Change Beacon Password	Change Beacon Block Password	Assign Beacon To Block	Remove Beacon From Block	Renew Registration	Replace Decal
---------------------	--------------------------	-------------	---------------	--------------------	----------------------------------	----------------------	------------------------	------------------------------	------------------------	--------------------------	--------------------	---------------

Your confirmation request has been sent out for beacon(s), ADCD02184C40405. If you received it, please acknowledge your confirmation request status by using **Acknowledge Confirmation Request** option on top of this page. Thank you for your correspondence.

### Registered Beacon(s) For Block ID blockuser2

Select	Beacon ID	Country Code	Beacon Type	Owner's Name	Vessel Name	Radio Call Sign
<input checked="" type="radio"/>	2DC758E260FFBFF	USA	ELT	Doe John		
<input type="radio"/>	2DCC362AECFFBFF	USA	EPIRB	Doe John	SEREF123	NAA123
<input type="radio"/>	AB3B8E38ED48DD1	MEXICO	EPIRB	Doe John	noaa user suppress decal test	
<input type="radio"/>	ADCC4012EC05019	USA	ELT	Doe John		
<input type="radio"/>	ADCD02184C40405	USA	EPIRB	Doe John	MySailBoat	WWW123
<input type="radio"/>	ADCD02184C40409	USA	EPIRB	Doe John	My Tug Boat	WWW123
<input type="radio"/>	ADCE08960C4006D	USA	EPIRB	Doe John	BEACON LIKE	
<input type="radio"/>	ADCF4141BC00019	USA	PLB	Doe John		
<input type="radio"/>	ADED02800440403	USA	EPIRB	Doe John	GoneFishing	



# SAR Querying Capabilities



## NOAA 406 MHz BEACON REGISTRATION DATABASE SYSTEM

[View Beacon](#) [Change User Password](#)

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### SAR User (search options)

Beacon Registration Type	All EPIRB	Registration Number		Last Updated	
Beacon ID		Radio Call Sign		Last Confirmation Date	
Vessel Name		Vehicle Type	?	Beacon Status	All Normal
Aircraft Manufacturer		Beacon Block ID		Sort by	Beacon ID
Aircraft Model		MMSI			
Owner's Name	baker sam*				

[SEARCH](#) [CANCEL](#)

Search results: 1 - 5 of 5 registered beacon matches.

Select	Beacon ID	Country Code	Beacon Type	Owner's Name	Vessel Name	Radio Call Sign
<input checked="" type="radio"/>	adcd0141bec04a3	USA	EPIRB	BAKER SAMUEL b	serefe	WWW123
<input type="radio"/>	ADCD016D86C0401	USA	EPIRB	BAKER SAMMY D	SEA DUCER II	



## Anticipated Operational Date



*Now Available!*

[www.beaconregistration.noaa.gov](http://www.beaconregistration.noaa.gov)

### FOR MORE INFO...

**NOAA/SARSAT  
NSOF, E/SP3  
4231 Suitland Road  
Suitland, MD 20746**

**1-301-817-4515  
Or 1-888-212-7283 (SAVE)  
Fax: 1-301-817-4565**