

### 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 <u>YOU</u>







### 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

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

#### Need help with this page?

	n Registration Login icates a required field
Enter new beacon ID	?
Enter new beacon ID again to validate	
Enter password for this beacon	2
Enter password again to validate	
Select security question	[Select a security question]
Enter security answer	•
	9

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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).	Telephone *  Area	C Home C Work C Cell C Fax C Other
*Mailing Address	Code	C Home C Work C Cell C Fax C Other
*City  State Provinc	Code :	C Home C Work C Cell C Fax C Other
(Postal) *Country USA code E-mail	Area Code  Area Code	C Home C Work C Cell C Fax C Other



# Owner's Vessel/Aircraft/Usage Information Section



Vessel Information	
*Usage	Radio Equipment (Check all that apply)
C Commercial C Non-commercial	□ VHF □ MF □ HF □ SSB □ Other
C Government Military C Government Non-military	Vessel Telephone Numbers
*Type	Radio Call Sign INMARSAT
Sail: C Number of Masts	Cellular MMSI Number
Power: C Fishing C Tug C Cargo C Tanker C Pleasure Craft	Federal or State Registration Number
C Other	*Length Overall (ft) *Capacity
	(Crew and Passengers)
Non-Power: C Life Boat C Life Raft C Other	*Homeport
*Vessel Name	(Marina/Dock)
*Vessel Color	* *
Survival Craft(s) on Vessel	(City) (State)
Life Boat Life Raft	Additional Data
(No. of) (No. of)	



## Owner's Emergency Point of Contact Information Section



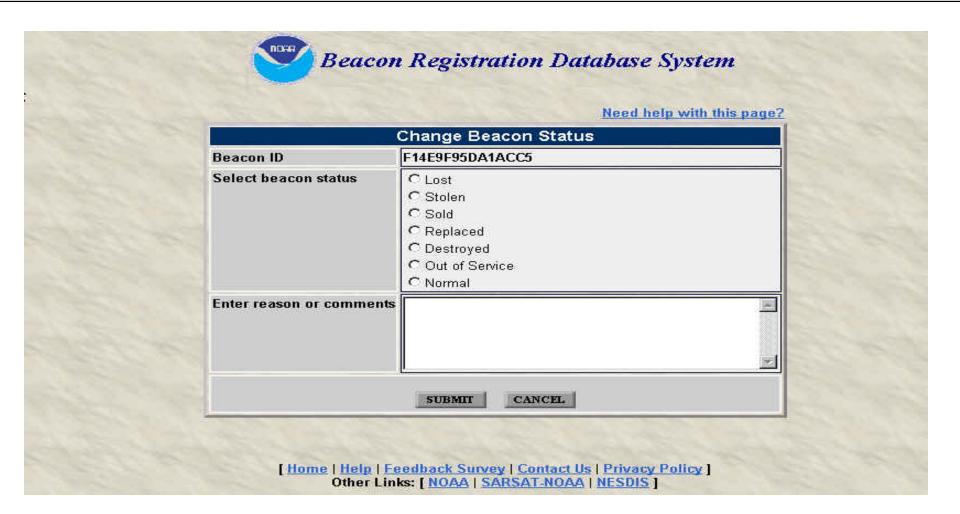
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information on the U.S. S 3 0648-0295 / exp. 30 No	earch & Rescue Satellite-Aided Tracking system, please visit <u>www.s</u>	sarsat.noaa.gov	

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### **Immediate Beacon Status Changes**







### **Automatic Confirmation Requests**





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Beacon ID	F14E9F95DA1ACC5		
Ownger's name (Last, First, Middle Initial)	Smith, John		
Owner's telephone number (Home)	703.555-1234		
Current status	CONFIRMED		
Select status	C Confirmed (confirmed with no changes) C Change (confirmed with changes)		

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### **Multiple Beacon Capability**





### NOAA 406 MHz BEACON REGISTRATION DATABASE SYSTEM

A CONTRACTOR OF THE PARTY OF TH	Register New Beacon Like	The second secon	The second second second		#cknowledge		ALCOHOMOS PROPERTY AND A STATE OF THE PARTY	Change Beacon	Beacon To	Remove Beacon From Block	CONTRACTOR OF THE PARTY OF THE	Replace Decal
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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.

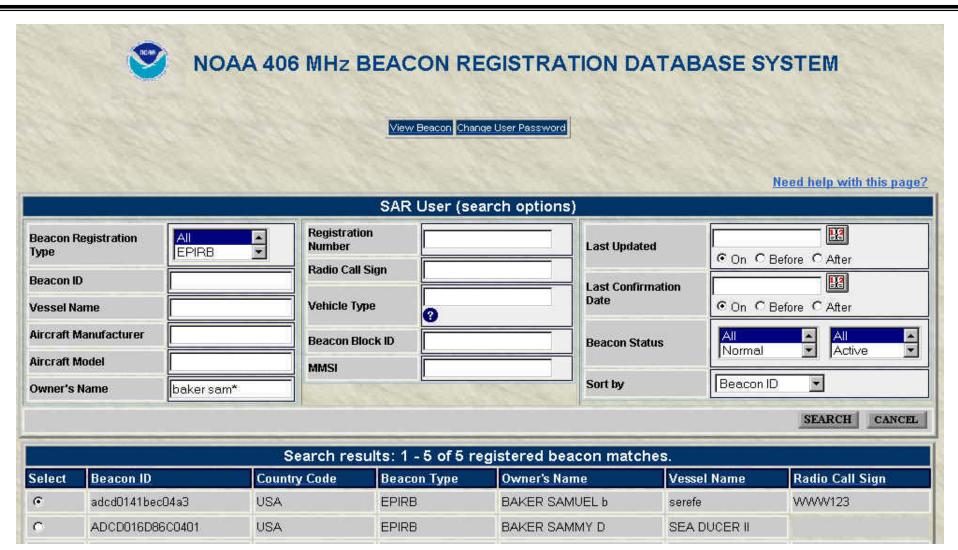
Registered Beacon(s) For Block ID blockuser2						
Select	Beacon ID	Country Code	Beacon Type	Owner's Name	Vessel Name	Radio Call Sign
c	2DC758E260FFBFF	USA	ELT	Doe John		
c	2DCC362AECFFBFF	USA	EPIRB	Doe John	SEREFE123	NAA123
С	AB3B8E38E048DD1	MEXICO	EPIRB	Doe John	noaa user suppress decal test	
c	ADCC4012EC05019	USA	ELT	Doe John		
C	ADCD02184C40405	USA	EPIRB	Doe John	MySailBoat	VVVVV123
c	ADCD02184C40409	USA	EPIRB	Doe John	My Tug Boat	WWW123
c	ADCE08960C4006D	USA	EPIRB	Doe John	BEACON LIKE	
c	ADCF4141BC00019	USA	PLB	Doe John		
С	ADED02800440403	USA	EPIRB	Doe John	GoneFishing	

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### **SAR Querying Capabilities**







### **Anticipated Operational Date**



### Now Available!

### www.beaconregistration.noaa.gov

### **FOR MORE INFO...**

NOAA/SARSAT 1-301-817-4515

NSOF, E/SP3 Or 1-888-212-7283 (SAVE)

**4231 Suitland Road** 

Suitland, MD 20746 Fax: 1-301-817-4565