



# 406 MHz Beacon Registration Database (RGDB)

SAR Controllers Training 2016

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# Overview

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- Current status of the Registration Database (RGDB)
- RGDB SAR user account maintenance
- The IHDB feedback process
- RGDB process improvements – 2015
- RGDB process improvements – future initiatives
- The new RGDB website...coming this Spring
- Summary



# Current Status of RGDB - Scope

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- The RGDB contains over 474,000 registrations
- Roughly 41,000 new registrations were added in 2015
- Annual database operations in 2015 required
  - Over 51,000 incoming and outgoing phone calls
  - Over 20,000 incoming letters, faxes, and emails from owners
  - Over 2,200 outgoing letters or emails per day



# Current Status of RGDB - Accuracy

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Accuracy of the RGDB as indicated by the activation feedback entered into the Incident History Database (IHDB) during CY 2015:

- 83.5% of activated beacons are registered
- 75.1% of registrations for activated beacons are considered accurate



# RGDB User Accounts - New

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SAR Controllers must request account access through the appropriate USCG or USAF liaison:

## **USCG**

**LCDR Aaron J. Ortenzio**  
SARSAT Liaison Officer

Aaron.J.Ortenzio@uscg.mil

Phone: 202-372-2089

## **AFRCC/AKRCC**

**Danny Conley, USAF**  
AFRCC Chief of Operations

Danny.Conley@us.af.mil

Phone: 850-283-5688



# RGDB User Accounts – Lockout Issues

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To resolve account issues, call the USMCC at

**+1 301-817-4576**

***Do not use the RGDB phone number –  
RGDB staff cannot reset SAR user passwords***



# IHDB Feedback Review - Status

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- Typically 1-3 IHDB entries/day (out of 15-25) are assigned for follow-up
- All backlog has been reviewed for action/no action

Cumulative Totals Since July 2014*			
Reviewed for Action	No Action	Assigned	Follow-up Completed
18,022	16,083	1,939	1,324

\*Data as of as of 21Jan2016



# IHDB Feedback Review - Improvement

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To both standardize and increase the usability of IHDB feedback, please include these statements as appropriate:

- “Contacted [registered/new] owner [specific contact details]...”
- “Boat/Aircraft was sold to [specific contact details]...”
- “New owner is [specific contact details]...”
- “Registered tail number/vessel name incorrect...”
- “Beacon confirmed destroyed...”
- “Beacon not recovered” or “SAR forces in possession of beacon...”



# RGDB Process Improvements - 2015

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- As of August 2015, all identified RGDB processes have been documented and approved.
- The QA Specialist conducts routine audits to ensure best practices are being followed.
- RGDB leadership implemented a Checksum mismatch resolution program.
- RGDB staff have streamlined the process for working returned email issues.



# RGDB Process Improvements - Future

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## Sold/Out-of-Service Beacons (Proposed)

- Send email and/or letter to registered owners of “Sold” or “Out-of-Service” registrations asking for contact information for new owner.
- Send email and/or letter follow-up to new owner using information gathered from responses.

## Expired Registrations (Proposed)

- Additional reminder letter sent to registered owners of beacons over 12 months expired.
- This would be in addition to our current system of sending three reminder letters.



# New RGDB Website


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- More user-friendly interface
- More powerful
- More integrated



# New Login Screen


[Home](#)[feedback](#)[Log in](#)


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## United States 406 MHz Beacon Registration

### Existing Users





[Log in](#)

[Lost your username or password?](#)

### New Users

Create an account to access all the features of our site, including:


- Beacon Registration
- Beacon Updates
- Address Updates
- Emergency Contact Updates

[Register](#)



# New Search Screen

[Home](#)You are logged in as: [kris](#) [Log out](#)

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## United States 406 MHz Beacon Registration

Users

[Register](#)

[Manage](#)

[Beacons](#)

[Search](#)

[Register](#)

[Manage](#)

[Pending](#)

[Decoder](#)

[History](#)

[System](#)

[Correspondence](#)

Search

Beacon Type

Owner's Name

MMSI

Beacon Id

Owner's Email

Radio Call Sign

Vessel Name

serefe

Contact's Name

Ship Cellular

Aircraft Manufacturer

Telephone Number

Last Updated

Aircraft Model

Vehicle Type

Confirmation Sent

Registration Number

Additional Data

Special Status Type

Search


[Clear](#)


	Beacon Id	Beacon Type	Owner's Name	Vessel Name	Radio Call Sign
1	<a href="#">2DCC362AECFFBFF</a>	EPIRB SERIAL (STANDARD)	<a href="#">BAKER SAMUEL B</a>	SEREFE	
2	<a href="#">ADCE01440840801</a>	EPIRB SERIAL CATEGORY II	<a href="#">ZEITLER KLAUS</a>	SEREFE	KDL9182N



# New Initial Registration Screen

[Home](#)You are logged in as: [eric](#) [x](#) [Log out](#)

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## United States 406 MHz Beacon Registration

[My Profile](#) [Register](#) [Account](#) [Beacons](#) [Contact Us](#)

[Owner](#) [Beacon](#) [Contacts](#) [Confirmation](#)

**Start Beacon Registration**


If you are ready to register, enter your beacon id to begin.


You will need to following things before registering your beacon:

- Beacon identification code, manufacturer, model
- Beacon owner name, address, telephone numbers
- Vessel name, type, capacity, length, radio call sign, MMSI, INMARSAT, cellular numbers
- or vehicle type, usage information
- or aircraft tail number, state/federal registration number
- Primary emergency contact telephone numbers
- Alternate emergency contact telephone numbers

You can also [access your beacon](#) registered by mail or fax instead.

Beacon Hex ID: \*  [→ Next](#)


 **Validation Error** AE2C412AE4002CD has been registered before. Please make sure your beacon ID is entered correctly.

 **Beacon Type:** ELT  
**Beacon Country Code:** USA (369)



# New Pending Registration Screen

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SATELLITE AIDED TRACKING  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

**United States 406 MHz Beacon Registration**

[My Profile](#) [Register](#) [Account](#) [Beacons](#) [Contact Us](#)

**Beacon Registration Successful!**

The registration process has been completed.  
Please note, updates to a registration can not be done by choosing the Back button on your browser.  
Registration pending resolution. You will be contacted by registration staff soon.

[Home](#)



# Summary of New RGDB Enhancements

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- Better login and password recovery mechanisms
- More intuitive navigation and more complete online help information
- Easier registration of beacons (new and sold)
- Faster and more powerful searches
- Increased continuity of sold beacon registrations



# Summary of RGDB Operations

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- The RGDB is a large database that requires significant resources to maintain; our focus is to catch and correct inaccuracies BEFORE an alert occurs.
- Additional processes to resolve orphaned beacon registrations are being developed.
- About 75% of all registration transactions are online and mostly invisible to us.
- Data corrections are dependent on owner responsiveness.
- The new RGDB website will be much easier to use, provide more direction for owners, and incorporate new, powerful tools for finding information in the database.