



USMCC Registration Database

SAR Controllers Training 2013
19 – 21 March 2013

Apurve Mathur
SSAI
RGDB Analyst





Overview

- RCC Controller accounts on Registration Database (RGDB) and Incident History Database (IHDB)
 - Account creation
 - Resolving *account lock-outs*
 - Deactivating accounts
- RCC feedback in the IHDB on RGDB information
- RGDB Statistics based on RCC Controller Feedback
- Ways that RCCs can help improve RGDB information
- Use of RGDB data to distribute unlocated alerts



Access to RGDB & IHDB by USCG

- For a RCC Controller at a USCG RCC to gain access, CG personnel should send an email request to:

LCDR Mark Turner

U.S. Coast Guard Headquarters

Office of Search and Rescue (CG-5342)

SARSAT Liaison Officer

Tel: (202) 372-2089

Mark.W.Turner@uscg.mil



Access to RGDB & IHDB by USCG

- LCDR Turner validates the request for access
- LCDR Turner sends a Microsoft Excel file to the USMCC Administrator with the following information:
 - User Name
 - First Name
 - Last Name
 - Organization Name
 - Phone Number
 - Email Address



Access to RGDB & IHDB by USCG

- The USMCC administrator then:
 - creates a user account and password in RGDB and IHDB for each new RCC Controller
 - encrypts the new output file with the password information
 - sends the encrypted file to LCDR Turner to be distributed to the respective USCG RCCs



Access to *RGDB and IHDB* by AFRCC, AKRCC

- AF/AK RCC personnel sends an email request sent to Dan Conley:

Dan Conley, USAF

AFRCC Chief of Operations and current alternate contact
for AKRCC:

Tyndall AFB, FL

850-283-5688

Danny.Conley@tyndall.af.mil



Access to RGDB and IHDB by AFRCC, AKRCC

- After Mr. Conley makes the request to the USMCC Administrator, the Administrator:
 - creates a user account and password for RGDB and IHDB for new RCC Controllers
 - relays the user ids and passwords for IHDB *by* phone to Mr. Conley
 - AFRCC and AKRCC can not currently receive encrypted files
 - In future, USMCC hopes to exchange user account information electronically with AFRCC and AKRCC



Resolving Account Lock-Outs

- If RCC Controller is locked out of RGDB or IHDB:
 - Call the USMCC 24/7 at +1 (301) 817-4576
 - Provide the specific user Id, system (RGDB or IHDB), and associated organization for the RCC user
 - A new password will be issued to the user for this system
- Do not use the phone number displayed on the RGDB website when a RCC Controller is locked out
 - +1 (301) 817-4515 is for beacon owners *not* for RCC controllers



Deactivating User Accounts

- When a RCC Controller leaves, a RCC Administrator should request the USMCC Administrator to remove access to the RGDB and IHDB for the RCC Controller, by providing an electronic file containing:
 - User name
 - First name
 - Last name
 - Organization name
 - Phone number
 - Email address



406 MHz Beacon Registration Requirements

- All 406 MHz beacons coded with a USA country code must be registered with NOAA
 - Title 47 - Parts 80, 87, and 95 in the Code of Federal Regulations (CFR)
 - Owners should be informed of the following:
 - ``WARNING--failure to register their beacon with NOAA before installation could result in a monetary forfeiture being issued to the owner.''



406 MHz *Beacon* Proof of Registration

- NOAA letters state the following:
 - The letter is the proof of registration
 - Decals are issued for EPIRBs, PLBs, *SSAS beacons*, but are no longer considered as proof of registration
 - Decals are no longer issued for ELTs
- In the future, NOAA will customize proof of registration letters by beacon type. For example,
 - Decals are no longer issued for ELTs
 - Decals will be issued for EPIRBs
 - Decals will be issued for PLBs



RCC feedback in the IHDB on RGDB information

- The RCC Controller should provide *new phone number* information when it is available.
 - Provide a name with a phone number if possible
 - “John Doe’s new cell number is XXX-XXX-XXXX.”
- Sample RCC feedback: “NONE OF THE BEACON REGISTRATION CONTACT NUMBERS *WORK*” – more details preferred such as:
 - tried all owner/operator phone numbers
 - tried all vessel numbers, looked up the vessel by documentation number, tried all emergency point of contact numbers. They all had a recording to indicate the number is disconnected or out of service or re-assigned to someone else.



RCC feedback in the IHDB on RGDB information

- Sample RCC feedback: “Vessel was sold multiple times and is in Mexico. Contacted RCC Mexico to attempt to locate with negative results.”
 - USMCC administrator updated the RGDB with: “7/1/09-per CDG07 Vessel was sold multiple times”
 - The registration had expired (not updated in 2 years) - adding these comments may assist with a rescue
 - The registered owner may still have the beacon although the vessel was sold – RCC should clarify when it contacts the registered owner.

Sample RCC feedback in the IHDB on RGDB information



- “OWNER RPTED SELLING VESSEL IN 2005”
 - What happened to the beacon? Was the beacon sold with the vessel or did the owner keep it?
- “BEACON IS ON A DIFFERENT TAIL”
 - If a beacon is on a different aircraft, indicate that the beacon on a different aircraft than on registration and provide the current tail number
 - Report if this change is temporary or permanent
 - Ask the owner to update the registration if the change is permanent



RCC feedback in the IHDB on RGDB information

- When the RCC provides the new beacon owner's name and phone number, NOAA will
 - Update the RGDB additional data
 - Call old owner to confirm change of ownership
 - Request the new owner to register the beacon
- When the RCC indicates that the vessel or tail number has changed, NOAA will
 - Update the RGDB additional data with the change
 - Contact the registered owner to review the registered information
 - Provide guidance to owner to make changes to the registration information



New Since November, 2011

- The Registration staff uses the IHDB feedback and information available to them from the current registered owner if beacon is registered to attempt to contact the owner so the beacon can be:
 - Updated
 - Registered



RGDB Statistics – RCC Reported Usage in 2012

	Contributed to Case Resolution	Primary Means to Resolve Case	Total Usage	Registration Data Not Used	Total
Distress	120	96	216	24	240
Non-Distress	954	2848	3802	196	3998
Ceased	292	328	620	422	1042
Total	1366	3272	4638	642	5280
<p>Measure of Usage when Registration is available: 88%</p> <p>Distress: 90.0% Non-Distress: 95.1% Ceased: 59.5%</p>					



RGDB Statistics – RCC Reported Accuracy in 2012

Registration Accuracy

	Owner Info		Contact Info		Vessel Info	
	Counts	Percentage	Counts	Percentage	Counts	Percentage
Marked As Accurate	3955	78.82%	3955	78.82%	4080	83.01%
Marked As Not Accurate	1063	21.18%	1063	21.18%	835	16.99%
Totals When Verified	5018		5018		4915	
Marked As Not Verified	306		306		388	
Not Marked	67		67		88	
Totals	5391		5391		5391	
<div style="display: flex; justify-content: space-between;"> Overall Accuracy when verified: 80.2% </div>						

Ways that RCCs can help improve RGDB information



- Inform beacon owners that 406 MHz beacons should be registered via the website
- Inform owners to provide phone numbers for individuals who can readily provide information about beacon usage (e.g., trip plan) to assist SAR efforts if the beacon is activated
- Inform the owner/operator not to list the same phone numbers under owner operator section and the emergency point of contact section
 - Emergency point of contacts should be someone who will not likely be involved if there is an emergency
- Inform owners to updates the registration information when it changes and not wait until the renewal time

Use of RGDB data to Distribute Unlocated Alerts – for US home ports / addresses



ELTs and EPIRBs

- RCC (unlocated alert/NOCR destination) based on Home Port state
- If Home Port State not provided, RCC based on owner mailing address state
- **EPIRBs** - RCC based on mailing address city for New Jersey and Florida

PLBs

- No Home Port - RCC based on owner mailing address state
- RCC based on mailing address city for Alaska

Use of RGDB data to Distribute Unlocated Alerts

- for non-US home ports / addresses



- An RCC (unlocated alert/NOCR destination) is not assigned for many beacons in the RGDB with a home port or mailing address outside of the US
- NOAA will assign RCC based on home port country
 - Coordinate assignment with Coast Guard and Air Force
 - Address ELTs, EPIRBs and PLBs separately
 - When the home port country is not provided, will assign the RCC based on owner mailing address country
 - RGDB software needs to be modified