



USMCC Registration Database

SAR Controllers Training 2012
14 – 16 February 2012

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



RGDB Statistics – RCC Reported Usage in 2011

		Registration Usage				
		Contributed to Case Resolution	Primary Means to Resolve Case	Total Usage	Registration Data Not Used	Total
Distress	93	82	175	20	195	
Non-Distress	865	2706	3571	114	3685	
Ceased	230	209	439	393	832	
Total	1188	2997	4185	527	4712	
Measure of Usage when Registration is available:			89%			
Distress:	89.7%	Non-Distress:	96.9%	Ceased:	52.8%	



RGDB Statistics – RCC Reported Accuracy in 2011

Registration Accuracy

	Owner Info		Contact Info		Vessel Info	
	Counts	Percentage	Counts	Percentage	Counts	Percentage
Marked As Accurate	3724	82.12%	3617	81.08%	3690	85.93%
Marked As Not Accurate	811	17.88%	844	18.92%	604	14.07%
Totals When Verified	4535		4461		4294	
Marked As Not Verified	209		277		414	
Not Marked	48		54		84	
Totals	4792		4792		4792	
Overall Accuracy when verified:		83.0%				

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