

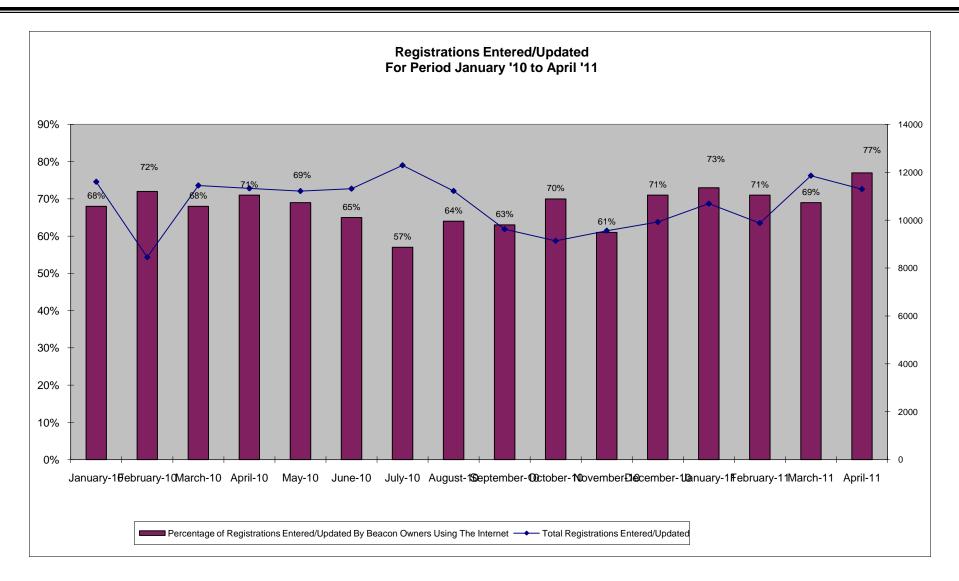
NOAA's 406 MHz Beacon Registration Database (RGDB)

www.beaconregistration.noaa.gov

NOAA SARSAT PROGRAM

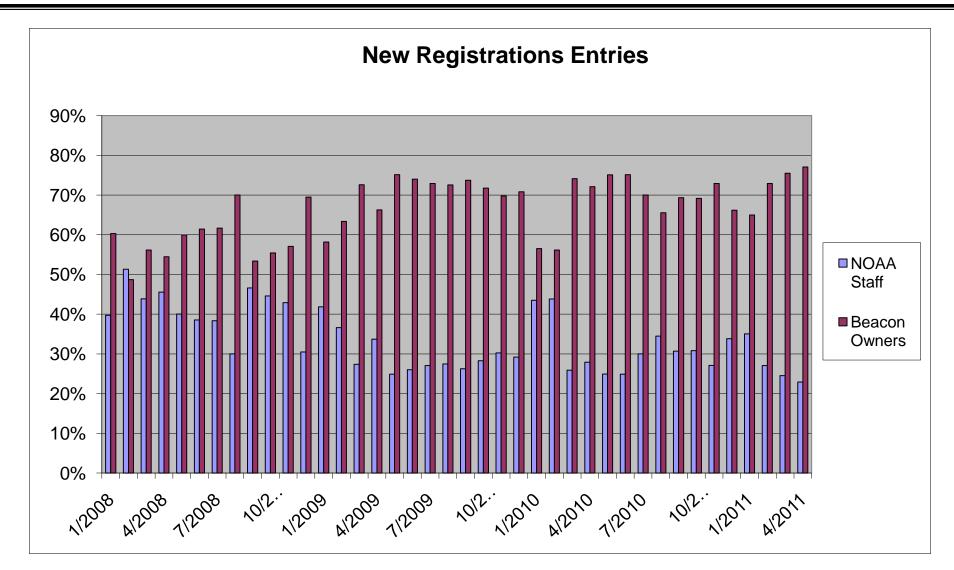
Online Usage Statistics



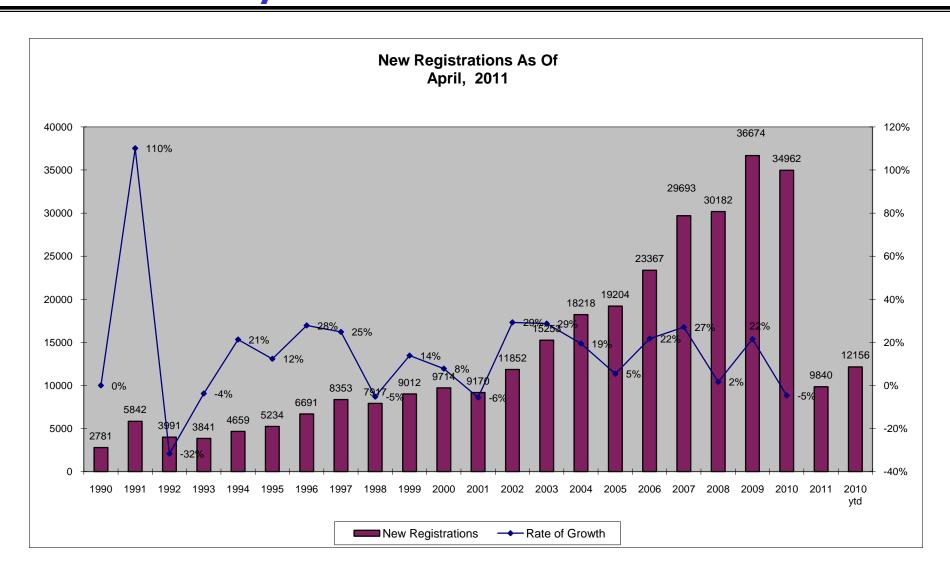


Initial Registrations By Users

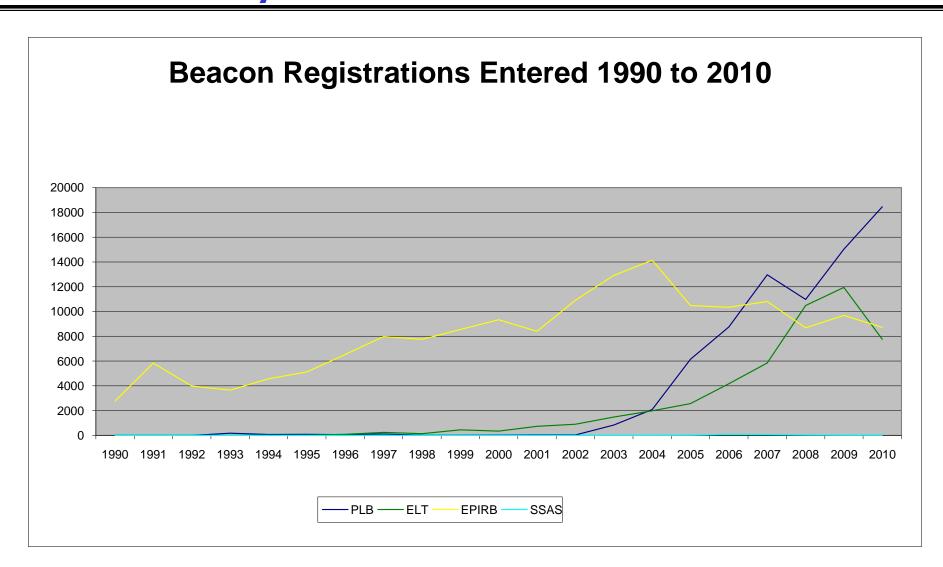




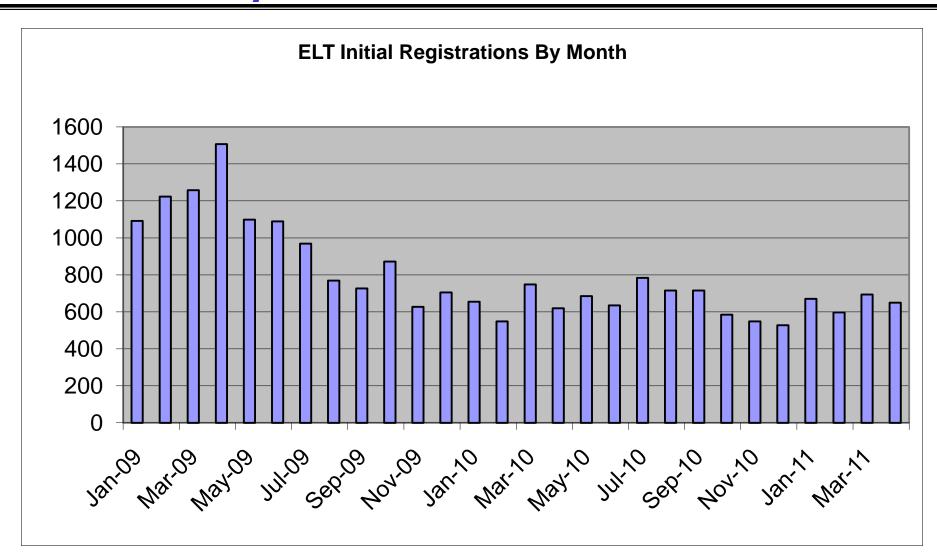






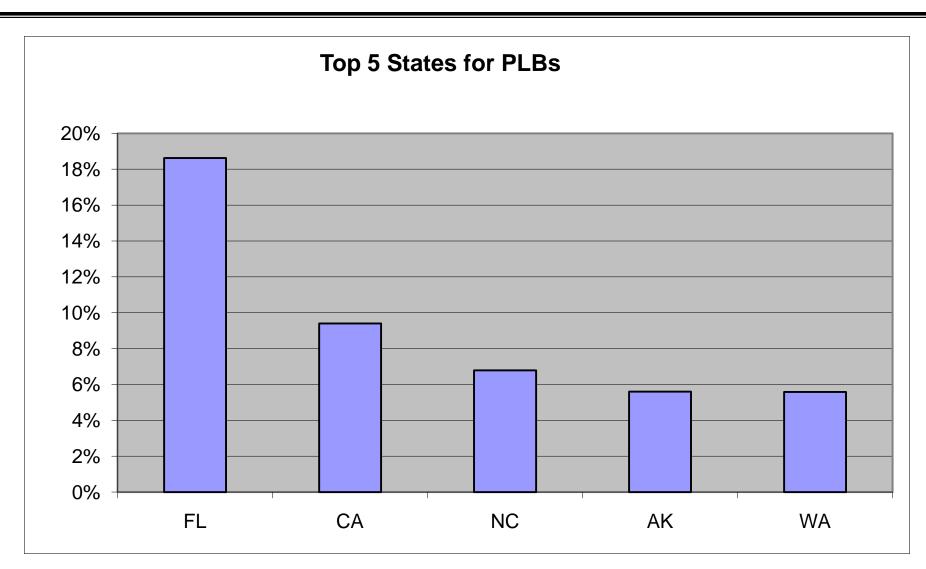






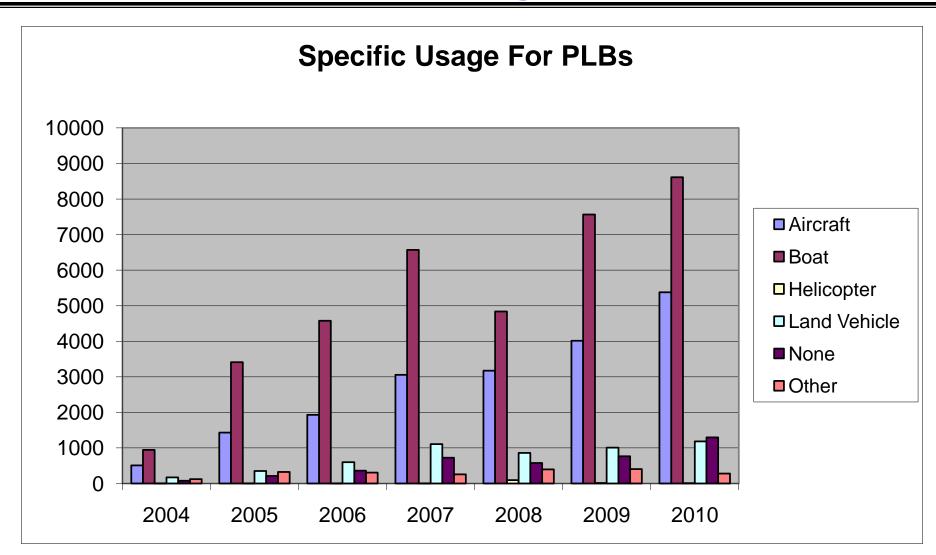


Top 5 States for PLBs By Home Address

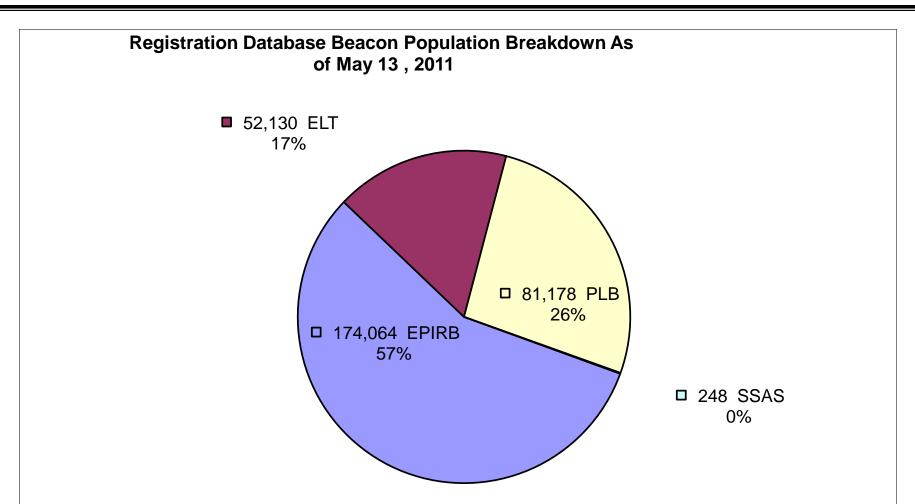




PLB Usage









For Registration Correspondence

(Internal Mail Code within NOAA has changed)

SARSAT Beacon Registration

National Oceanic and Atmospheric Administration

NSOF, **E/SP053**

4231 Suitland Road

Suitland, MD 20746

Phone: 301-817-4515

Toll free: 888-212-7283

Fax: 301-817-4565

Email: beacon.registration@noaa.gov

Measures NOAA Has Taken To Improve Accuracy



- Operational letters updated to emphasize importance of checking the beacon ID registered with NOAA is identical to the manufacturer/installed programmed UIN
- New registrations and change of ownership registrations entered by NOAA data entry personnel are checked by other operational personnel
- Owners of beacon IDs that are questionable (i.e., not readable, incomplete, different from the manufacturer sticker) are called to verify the ID.
- Changed RGDB owner interface to separate the 15 character beacon ID into 3 blocks of 5 to make it more readable (31 May 2011)
- RGDB staff attempts to get an acknowledgement from the previous owner prior to allowing the latest beacon owner to register

Proposed Actions for Beacon Manufacturers



Add a checksum

- When a beacon is registered a check sum value is entered along with the 15 hexadecimal characters of the beacon ID. Using same algorithm as the beacon manufacturer, the RGDB calculates the check sum of the entered 15 Hex ID and compares the result to the entered checksum. If values disagree, it is assumed the user had made an error (either in the beacon identification code and/or the checksum) and re-entry continues until the two checksums agree
- Display all beacon IDs in 3 groups of 5
 - printed products
 - all manufacturer labels
- Pre-print UINs on registration forms



New Registration forms (draft)





Save Time! Register your beacon online at: www.beaconregistration.noaa.gov

Mail or Fax to: NOAA/SARSAT NSOF, E/SP3 4231 Suitland Road Suitland, MD 20746

Fax No. 301-817-4565

Official 406 MHz EPIRB Registration Form

EPIRB Information Beacon ID (Unique Identifier Number) (15 digit character ID provided by EPIRB manufacturer) Please affix beacon manufacturer's label here.		Checksum Category I (Automatic Deployment) Category II (Manual Deployment) EPIRB Manufacturer Model No.
Purpose of EPIRB Registration		
☐ New Registration	☐ Change of Registration Inform	ation Replacement of Decal Only
☐ Renewal of Registration	☐ Replacement for a previously registered EPIRB	
☐ Change of Ownership Please enter the old unique ID number		

How Beacon Manufacturers Can Help



- To assist with the validation of beacon Ids:
 - For National Use Serialized beacons (bit 43 = 0), provide NOAA with the Model Name and its associated bit value
 - Where the Serial number printed on the beacon label is part of the Beacon ID, provide NOAA with the bit range and format (Decimal or Hexadecimal)
- Provide NOAA with a list of beacons received that will not be returned to the same owner:
 - beacons serviced
 - beacons exchanged



NOAA's Business Reply Permit



- NOAA has allowed the use of SARSAT's business reply permit by manufacturers for printing envelopes for owners to return beacon registration forms to NOAA
- Manufacturers need to print envelopes that replicate the following image (keep in mind the mail code has changed as will be shown on next slide)
- NOAA is bearing the mailing cost of envelopes sent to NOAA
- Any questions prior to use, please call Stephen Roark at 301-817-3896



NOAA's Business Reply Envelope Sample (Please change the E/SP3 To E/SP053)





NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

BUSINESS REPLY MAIL

FIRST-CLASS MAIL

PERMIT NO. 7411

SUITLAND, MD

POSTAGE WILL BE PAID BY ADDRESSEE

SARSAT BEACON REGISTRATION NOAA NSOF, E/SP3 4231 SUITLAND RD SUITLAND, MD 20746-9900





Suggestions On How Beacon Manufacturers Can Help



- Contact NOAA immediately when an issue arises which has a direct impact on beacon owners
 - Duplicate beacon ID encoded into beacons
 - Mislabeling of beacon IDs on forms or beacons
 - Any recalls you may have for beacons you have manufactured
- Manufacturers and Service Centers verify NOAA decal currency and remind the owner, if appropriate, to update the beacon's registration with NOAA
- Inform owners who have vessel information, tail number, MMSI, and radio call sign, encoded into beacon of the importance of recoding the beacon and updating the registration when the beacon is swapped from one vessel to another vessel or swapped from one aircraft to an another