

# **SARSAT Beacon Manufacturer's Workshop**

## **September 28, 2012**

### **Regulatory and Type Approval Changes**

**Prepared by:**  
**Jesse Reich/NOAA**



# Code of Federal Regulations Changes

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- Changes were submitted to FCC April of 2011 and should be released for comment period within the next year
- Changes affect EPIRB, ELT, and PLB Code of Federal Regulations (CFR)
- New NOAA mailing address was included in the language Aug 2012, but did not alter timeline of changes already submitted



# EPIRBs

## 47 CFR Part 80.1061

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### Main Changes

- New NOAA/SARSAT mailing address
- Mandated use of Checksum on registration forms
- Prohibition of coding MMSI or Radio Call Signs in Beacon ID (UIN)
- Must include pre-paid envelope and registration form with pre-printed UIN broken into 3 groups of 5 characters and have the corresponding checksum
- Registration form must list NOAA's online registration website – [www.beaconregistration.noaa.gov](http://www.beaconregistration.noaa.gov)



# ELTs

## 47 CFR Part 87.199

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### Main Changes

- New NOAA/SARSAT mailing address
- Must include pre-paid envelope and registration form with pre-printed UIN broken into 3 groups of 5 characters and have the corresponding checksum
  - In protocols where UIN will change, checksum is exempted
- Registration Form must contain the following statement
  - “WARNING – failure to register this ELT with NOAA before installation could result in a monetary forfeiture being issued to the owner.”
- Registration form must list NOAA’s online registration website – [www.beaconregistration.noaa.gov](http://www.beaconregistration.noaa.gov)



# PLBs

## 47 CFR Part 95.1400

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### Main Changes

- New NOAA/SARSAT address
- Must include pre-paid envelope and registration form with pre-printed UIN broken into 3 groups of 5 characters and have the corresponding checksum
- Registration form must list NOAA's online registration website – [www.beaconregistration.noaa.gov](http://www.beaconregistration.noaa.gov)



# RTCM EPIRB Standard 11000.3

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- On June 12<sup>th</sup> 2012, a new version of RTCM 406 MHz EPIRB Standard 11000.3 was published with the following changes:
  - Incorporates technical characteristics of C/S T.001, ITU-R M.690-1 and IEC 61097-2 by reference
  - Internal GNSS navigation device required, performance and test characteristics defined
  - Optional GNSS device self-test function
  - Annex F – Now prohibits EPIRB's from being coded with Maritime User Protocol, Radio Call Sign User Protocol, or MMSI Location Protocol
  - New Ergonomics Requirements and Tests (not mandatory until Jan 1<sup>st</sup> 2014)



# RTCM PLB Standard 11010.2

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- On June 8<sup>th</sup> 2012, a new version of RTCM 406 MHz PLB Standard 11010.2 was published with the following changes:
  - Contains corrected GNSS test scenario tables in Annex G



# Contact Information

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**SARSAT Program Office  
NOAA Satellite Ops Facility  
4231 Suitland Rd.  
Suitland, MD 20746**

**[www.sarsat.noaa.gov](http://www.sarsat.noaa.gov)**

**Jesse Reich  
301-817-4509  
Jesse.Reich@noaa.gov**