

SARSAT Beacon Manufacturer's Workshop

September 28, 2012

Regulatory and Type Approval Changes

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Code of Federal Regulations Changes



- 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

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



ELTs

47 CFR Part 87.199

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



PLBs

47 CFR Part 95.1400

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



RTCM EPIRB Standard 11000.3

- On June 12th 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 1st 2014)



RTCM PLB Standard 11010.2

- On June 8th 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



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