



Part 80 Report and Order (FCC 16-119) Updates

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Part 80 Report and Order

- Report and Order ([FCC 16-119](#))
 - §80.7 Standards updated and expanded
- EPIRBS
 - Required to send location data when activated
 - EPIRBS that operate only on 121.5/243 MHz and do not operate on 406 MHz is prohibited
 - 121.5 MHz satellite service ended in 2002 but was used by international aircraft flyover rescues
 - Class A, Class B, Class S, or INMARSAT-E EPIRBS will no longer be certified
 - Class A, B, & S: 121.5/243 MHz, phased out
 - Inmarsat-E 1646 MHz beacons, INMARSAT satellite service discontinued
 - One year transition period for certification



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- Satellite Emergency Locator Beacons (SENDS)
 - § 25.301 RTCM standards for reliability of tracking
- AIS Search and Rescue Transponders (AIS-SARTs)
 - International standards
 - Class A & B require USCG approval



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- AIS Aids to Navigation (ATONs) – send AIS messages (name and location)
 - Used for lighthouses and buoys
 - FCC certification is optional
 - Waiver required for IEC 62320-2 (Not in rules)
 - USCG approval required
 - Grant is similar to AIS
 - Grant condition: This device is an AIS-ATON.



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- VHF and DSC usage expanded
 - Permitted to operate on shore beaches and piers
- VHF Digital Small Message Services (VDSMS)
 - Short range digital messaging
 - Channel limitations: § 80.364(b)
 - Use not permitted on or adjacent to safety and security channels
 - Include in User's manual
 - RTCM standard: check for new emissions designators



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- [The US / EC Mutual Recognition Agreement on Marine Equipment](#) (July 1, 2004)
- AIS requires EC Accrediting Body Certificate
 - “Wheelmark” and a USCG Approval Number (Issued by EC Notification Body) on the Label Exhibits





Part 95 PLBs

- Land use: 406 MHz COSPAS/SARSAT
 - New standards and technical requirements
 - G1D emission
 - One year transition period for certification
 - Testing must be done at approved COSPAS/SARSAT facility
 - New device labeling requirements for NOAA registration
 - One year transition period for certification
 - USCG approval required



Part 95 MSLDs

- Maritime Survivor Location Devices
 - Facilitate rescue of person in vicinity of vessel
 - New standards
 - Operate on phased out satellite frequency of 121.5 MHz or VHF emergency frequencies or AIS frequencies
 - Minimum of at least one of these frequencies
 - Testing required at ISO/IEC accredited lab
 - USCG approval required



Questions and Answers

Thanks!