



HITS & GMDSS

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Homing and Intelligent Transmit Scheduling

406 MHz Direction Find

- Second Generation Beacons
- NASA testing
- Require antenna & equipment replacement (same size) for SAR assets

406 MHz Homing

- Updates Cospas-Sarsat Joint Committee-33
- Lack of consensus
- Universal agreement – there is no desire to remove 121.5



IMO Emerging Requirements

- **Global Maritime Distress & Safety System (GMDSS) modernization**
 - Jan 2019: Revised EPIRB Performance Standards completed by IMO's Navigation, Communications, and Search & Rescue (NCSR 6) Sub-Committee; submitted and approved by Maritime Safety Committee (MSC)
 - Jun 2019: C/S reviewed and updated.



IMO Emerging Requirements

- Updated Performance Standards for Float-Free EPIRBs (MSC Resolution 471(101)):
 - Adds Global Navigation Satellite System (GNSS) receiver + refresh rate (Timeline + C/S GNSS refresh for all beacons)
 - Adds an Automatic Identification System (AIS) locating signal (30m accuracy assuming 3 knot drift)
 - 121.5 MHz duty cycle
 - Flashing light visible to both eye and night vision devices
 - Compliance by Jun 2022