Activities Report

MR. Edwin Thiedeman
07 October 2020
TOPICS

• Global Maritime Distress & Safety System (GMDSS)
• Correspondence Working Group On Homing & Intelligent Transmitting Schedule (HITS CWG)
• Other Items
• Global Maritime Distress & Safety System (GMDSS)
EPIRBs Update

• MSC Resolution 471(101), Performance Standards For EPIRBS, enters into effective on 01 JULY 2022
  • Required consequential changes in other documents

• NCSR 8 in February 2021 will finalize:
  • MSC.1/Circ.1039/Rev.1 – Guidelines for Shore-based Maintenance of Satellite EPIRBs
  • MSC.1/Circ.1040/Rev.2 – Guidelines on Annual Testing of 406 MHz Satellite EPIRBs
GMDSS Modernization

- IMO/ITU Experts Group (EG-16) completed a review & update of Voyage Data Recorder Standards to reflect MSC.471(101) Requirements
  - Submitting to NCSR 8 in February 2021
  - MSC.163(78), Performance standards for shipborne simplified voyage data recorders (S-VDRs)
  - MSC.333(90), Adoption of revised performance standards for shipborne voyage data recorders (VDRs)
GMDSS Related Item

- IEC Maintenance Team Updated IEC 61097-2 to Align with & Reflect MSC.471(101)
  - Committee Draft for Vote of 61097-2 ED-4 Released in September 2020
  - Comments Due in December 2020
  - Goal to Publish by July 2021
GMDSS Related Item

• RTCM SC110 to begin Review and Update of RTCM 11000.4 Standard
  • Align with both MSC.471 & IEC 61097.2 ED-4
  • Once approved, Petition to FCC to update CFR 47, addressing MSC.471 and RTCM updated Standards
  • USCG supporting this effort
• Iridium working with USCG for implementation of Iridium GMDSS Service.
  • USCG RCC Norfolk to serve as Associated RCC for world-wide coverage; RCC Alameda serves as back-up
  • Developing process & procedures to introduce additional associated RCCs.
  • Initial Operational Capability (IOC) targeted for end of October
  • Australia, New Zealand & the United Kingdom working to become Iridium Associated RCCs after IOC.

• USCG Investigating NAVDAT as an alternative to NAVTEX
• Homing & Intelligent Transmitting Schedule Correspondence Working Group (HITS-CWG)
406 MHz Homing Signal Development

- No C/S Consensus on Requirements
- 121.5 MHz Homing – Universal Agreement to Retain
- Temporary hold on CWG work - No new developments

USCG exploring updates to Aircraft DF Systems for SGB Detection/Homing
• Other Items
• ICAO/IMO Joint Working Group On Search & Rescue to Meet 11-16 October 2020
  • Topics Include:
    • Amendments to Annex 12
    • Aircraft Tracking Information & Distress Report Coordination
    • Aircraft to Ship Distress Communications
    • GADSS Related Updates to IAMSAR Manual, 2022 Edition
Other Items

- **GADSS Location Of An Aircraft In Distress Repository (LADR):**
  - Secure Storage Facility for Position/Location Data of Aircraft in Distress or Potentially in Distress
  - Supports timely access by stakeholders (Operator, ATSU, RCC & Others) to Aircraft Event Data
  - Not an Alerting Means
  - ICAO and developer **Snowflake** hosting LADR Workshops to define/develop interface
  - USCG participating in Workshops and supporting SAR interests
Questions?

USCG Points Of Contact:

CDR ERIN BOYLE ERIN.M.BOYLE@USCG.MIL
MR. EDWIN THIEDEMAN EDWIN.B.THIEDEMAN@USCG.MIL