Activities Report

MR. Edwin Thiedeman
04 October 2021
• Global Maritime Distress & Safety System (GMDSS)
• Global Aeronautical Distress & Safety System (GADSS)
• Other Items
• Global Maritime Distress & Safety System (GMDSS)
EPIRBs

- MSC Resolution 471(101), Performance Standards For EPIRBS, effective on and after 01 JULY 2022
- Update of IEC 61097-2 complete
  - IEC 61097-2 ED4:2021 Published in June 2021;
  - Technical corrigendum to IEC 61097-2 ED4:2021 in preparation to address minor errors and omissions
- NCSR 8 reviewed updates of Voyage Data Recorder Standards to align with MSC.471(101) requirements
  - Forwarded to MSC 104 for action
EPIRBs

• MSC 104 will review updated documents for adoption:
  • 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
  • Amendments to MSC.163(78), Performance standards for shipborne simplified voyage data recorders (S-VDRs)
  • Amendments to MSC.333(90), Adoption of revised performance standards for shipborne voyage data recorders (VDRs)
EPIRBs

• **RTCM SC110 update of RTCM 11000 Standard complete**
  • Aligns with both MSC.471 & IEC 61097-2 ED-4

• **Next steps**
  • Seek FCC update of CFR 47, to add MSC.471, IEC 61097-2, and RTCM 11000.5 Standards

• **AIS Cancellation Protocol**
  • Proposal adds “EPIRB – CANCEL” to ITU-R M.1371-5 in support of the SGB 406 cancellation messages
  • JWG-SAR (28) affirmed benefit of AIS cancellation
  • Proposal submitted to Joint IMO/ITU Experts Group (EG-17)
GMDSS Developments

• Iridium GMDSS Service being implemented.
  • USCG RCC Norfolk serves as Associated RCC for world-wide non-US coverage and US Atlantic SRR; RCC Alameda serves as Associated RCC for US Pacific SRR and as RCC Norfolk back-up
  • Process & procedures in place to add new associated RCCs
  • Four RCCs associated at Stage 2
  • Eight RCCs in process to become Iridium Associated RCCs
  • USCG leading an Iridium GMDSS SAR Advisory Panel to facilitate
• Global Aeronautical Distress & Safety System (GADSS)
GADSS

• Location of an Aircraft in Distress Repository (LADR):
  • Secure Storage for Position/Location Data of Aircraft in Distress or Potentially in Distress
  • Not an Alerting Means
  • Supports timely access of Aircraft Event Data by stakeholders (Operator, ATSU, RCC & Others)
  • ICAO hosting LADR Workshops to complete interface & operational system development
  • USCG continuing participation in Workshops and supporting SAR interests
• Other Items
Other Items

• HITS CWG 406 MHz Homing Signal Development
  • 121.5 MHz Homing – Universal Agreement to Retain
  • No Cospas/Sarsat Consensus on Requirements
  • No new developments

• Updates to USCG Aircraft DF Systems planned include SGB Detection/Homing
  • Requirements review complete
  • In acquisition planning stage
ICAO/IMO JWG-SAR

• ICAO/IMO Joint Working Group On Search & Rescue to met 6-10 September 2021

• Topics Included:
  • Updates to the IAMSAR Manual, 2022 Edition
  • Concerns relating to implementing autonomous distress tracking of aircraft in flight (ELT(DT)/LADR)
  • Cancellation protocol for distress devices using AIS locating
  • Iridium GMDSS SAR service implementation
  • ELTs on Remote Piloted Aircraft Systems not supported
Questions?

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