



Activities Report

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TOPICS



- **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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