International (ICAO/IMO/GMDSS)
International Civil Aviation Organization (ICAO)
International Maritime Organization (IMO)

SAR Controllers Workshop 2022
April 26 – 28, 2022
Dave Edwards
U.S. Coast Guard HQ SAR Office
International Engagement
ICAO, IMO and Our Hemisphere

• Questions – My job is to talk about what you want or need to hear.
  – If there is something on your mind, ask now
  – As you think of questions then please ask.

• If no questions, then I will talk the full time
ICAO, IMO and Our Hemisphere

• IAMSAR Manual – 2022 edition applicable 1 June 2022
  – At the printers, en route to book stores
  – Available [soon] for purchase through IMO and ICAO websites or book stores
  – CG-SAR willing to buy set for each JRCC and JRSC
  – Electronic or paper copy? But...
• 2025 edition – amendments started – Your ideas
  – Add, delete, overhaul...

5/6/2022
ICAO, IMO and Our Hemisphere

• Regional meetings
  – ICAO Western Hemisphere, FEB 2022 ADT Workshop and SEP 2022 Regional SAR WG
  – Asia-Pacific SAR Working Group Meeting, 22-26 May 2022 Bangkok, Thailand VTC. [RCC Hono]
  – Both regions developed a regional “SAR Plan”

• ICAO/IMO Joint Working Group on SAR, 17-21 OCT 2022 In Senegal – Topics to discuss, African POCs?
Autonomous Distress Tracking (ADT)

• ADT will be implemented, it will not overwhelm the SAR system with false alerts.
• Equipped on certain long-haul aircraft, few incidents, false activation rate of 2 every 100K flight hours (rapid effort to fix the problem)
• ADT device provides another means of notification to RCC of potential distress.
• Aviation culture is that an ADT provides a ‘notification’ and initially at ‘alert phase’.
Autonomous Distress Tracking (ADT)

- ADT concept was for ‘for a specific technology’ and the operator had to receive the position information.
- ICAO created a repository
- Aircraft manufacturers are installing the ELT(DT)
  - Could be other devices in the future but...
  - RCC notification from C-S and from the repository
- Late June 2022 should know if the 1 JAN 2023 implementation date will be delayed.
- ADT handout – Answer questions/creates questions
Autonomous Distress Tracking (ADT)

• Implementation of ADT focused attention on Air Traffic Service-to-RCC comms – ACTION NOW
• Coordinate with associated ATS/ATC for if/how current operational procedures may need to be revised (who/when initiate phone call)
• Have telephone and other contact details
• Area Control Center (ACC) may be the FAA focal point:
  - New York/ Oakland/ Anchorage/ Houston Oceanic

5/6/2022
GMDSS and Other?

• Iridium providing satellite GMDSS services, including enhanced group calling (EGC)
  – LANT & PAC handling satellite distress alerts
  – EGC broadcast/SafetyCast and training
• EGC broadcasts on both Iridium and Inmarsat.
• Inmarsat SafetyNetII and RescueNet
• Anything else?
• Your views on Iridium comms in general