



The Radio Technical Commission for Maritime Services (RTCM)

and Esri's participation

13th Meso American and Caribbean Sea Hydrographic Commission Meeting. Wednesday 21st November 2012, La Antigua, Guatemala.

Overview

- An international non-profit scientific, professional and educational organization that started in 1947.
- RTCM members are organizations (not individuals) of both government and non-government.
- Keeping members informed about regional and international maritime radio communication policy issues, regulatory changes, and technical standards development.

RTCM's Members

- Over 130 member organizations
- Involvement with
 - IMO
 - Cospas-Sarsat
 - International Electro technical Commission (IEC)
 - International Organization for Standardization (ISO)
 - European Telecommunication Standards Institute (ETSI)
 - International Loran Association (ILA)

RTCM contributes to

- The International Telecommunications Union (ITU)
- The International Hydrographic Organization (IHO)
- The International Association of Aids to Navigation and Lighthouse Authorities (IALA)
- The Comité International Radio-Maritime (CIRM)
- The National Marine Electronics Association (NMEA)
- The Mobile Satellite Users Association (MSUA)

Special Committees

- There are 14 Special Committees:
 - Special Committee (SC) 101 on Digital Selective Calling (DSC)
 - Special Committee (SC) 104 on Differential Global Navigation Satellite Systems (DGNSS)
 - Special Committee (SC) 109 on Electronic Charts
 - Special Committee (SC) 110 on Emergency Beacons (EPIRBs and PLBs)
 - Special Committee (SC) 112 on Ship Radar
 - Special Committee (SC) 117 on Maritime VHF Interference
 - Special Committee (SC) 119 on Maritime Survivor Locator Devices
 - Special Committee (SC) 121 on Automatic Identification Systems (AIS) and digital Messaging
 - Special Committee (SC) 123 on VHF-FM Digital Small Message Services
 - Special Committee (SC) 128 on Satellite Emergency Notification Devices (SEND)
 - the PROTECTS Alliance
 - Special Committee (SC) 129 on Portrayal of Navigation-Related Information on Shipboard Displays
 - Special Committee (SC) 130 on Electro-Optical Imaging Systems
 - Special Committee (SC) 131 on Multi-system Shipborne Navigation Receivers

Subject specific interest groups

- Mailing List (ML) 107 on Maritime Safety Information Dissemination
- Mailing List (ML) 120 on High Speed Craft
- Mailing List (ML) 122 on Ship Security Alert Systems
- Mailing List (ML) 124 - Maritime HF Users Interest Group
- Mailing List (ML) 126 - Voyage Data Recorders
- Mailing List (ML) 127 on Enhanced Loran (eLoran)

Esri's participation

- SC 104 on Differential Global Navigation Satellite Systems
 - Helping in developing a GNSS position message that can be consumed by third party applications
- SC 109 on Electronic Charts (RTCM Standard 10900.5)
 - Contributing on Electronic Charting technology; mainly for use on ECS.
 - Current discussions:
 - Protective Capsule to preserve information in case of catastrophic loss.
 - Recording of Bridge Audio. RTCM's goal to put forth ECS as a replacement for a VDR, stipulating the recording of bridge audio as either mandatory or optional for specific classes of ECS.
 - Display of electronic publications: stipulate as mandatory or optional for specific classes of ECS.
 - ECS software version report for Coast Guard inspection
 - A way to make ECS the access point for version information of input equipment (AIS firmware and last update).

RTCM annual Assembly Meeting and Conference

- September 23-28 2012 in Orlando, FL
- Co-located with the National Marine Electronics Association (NMEA) annual conference.



Thank you

Rafael Ponce
rponce@esri.com