



***RTCM***  
***2013***



**September 22-27, 2013, San Diego, CA, USA**

# **2013 Annual Assembly Meeting and Conference of the Radio Technical Commission for Maritime Services**

*Radio Technical Commission for Maritime Services  
1611 N. Kent St., Suite605  
Arlington, Virginia 22209, USA*

**E-Mail: [Info@rtcm.org](mailto:Info@rtcm.org)  
<http://www.rtcn.org>**

## **GENERAL MEETING AND HOTEL INFORMATION**

All functions will be at the Sheraton San Diego Hotel and Marina,  
San Diego, CA

**Sunday, September 22, 2013**

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**1730 - 1930    Registration Desk Open**

**1830 - 2030   Welcome Reception for Registrants and Guests**

# **Shoreline**

## **Monday, September 23, 2013**

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*All sessions open to all registrants unless noted*

**0830 Coffee and Juice service**

**0830 - 1630 Registration Desk Open**

**0900 - 0945 SESSION 1A**

### **Grande Ballroom A & B**

**Annual RTCM Business Meeting**

**Chuck Husick Memorial Award**

All Assembly Meeting registrants are invited to attend

Chair: George Lariviere

Chairman of the Board, RTCM

**Remarks by Michael Rambaut**

Comité International Radio-Maritime (CIRM)

**0945 - 1015 Refreshment Break**

**1015 - 1200 SESSION 1B**

### **Grande Ballroom A & B**

**Regulations and Standards Report**

Moderator: Tim Strickland, U.S. Coast Guard

**U.S. Federal Communications Commission Regulatory Activities**

Ghassan Khalek, Federal Communications Commission, USA

**U.S. Coast Guard Petition for FCC Part 80 Revisions**

**Preparations for the World Radiocommunications Conference (WRC-15)**

Larry Solomon, U.S. Coast Guard

**ITU's Preliminary Draft New Report on Man Overboard Systems**

Joe Hersey, U.S. Coast Guard

**Activities of IEC Technical Committee 80, Maritime Navigation and Radiocommunication Equipment and Systems**

Kim Fisher, Secretary, IEC Technical Committee 80, UK

**Monday, September 23, 2013**

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**1200 - 1330 Lunch provided**

**1330 - 1500 SESSION 1C**

**Grande Ballroom A & B**

**Maritime Communication Emerging Developments**

Moderator: Capt. Jack Fuechsel, GMDSS Task Force

**Communication and Navigation at Princess Cruises**

Martino Pepe, Princess Cruises, USA

**VHF Data Exchange System Standard Development**

Christian Rissone, Agence Nationale des Fréquences (ANFR), France

Ross Norsworthy, REC, Inc., USA

**Termination of U.S. MF Services and Declaration of Sea Area A1**

**Executive Memorandum on Spectrum Reallocations and**

**Anticipated Actions/Results**

Mr. Larry Solomon, U.S. Coast Guard

**1500 - 1530 Refreshment break**

**1530 – 1630 SESSION 1D**

**Grande Ballroom A & B**

**GMDSS Modernization Panel**

Moderator: RADM Ed Gilbert, USCG ret., Gilbert & Assoc., USA

**The International Maritime Organization's GMDSS Modernization Project**

Bob Markle, RTCM, Convenor of the IMO Correspondence Group, RTCM, USA

Kim Fisher, Chairman, Joint IMO/ITU Experts Group on Maritime Radiocommunication Matters

**Panel Discussion**

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**1700 - 1900 RTCM Board of Directors**

**Executive Center 1**

Member representatives welcome

Chair: George Lariviere, Chairman of the Board

**Tuesday, September 24, 2013**

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*All sessions open to all registrants unless noted*

**0830 Coffee and Juice service**

**0830 - 1530 Registration Desk Open**

**0900 - 1015 SESSION 2A**

**Grande Ballroom A & B**

**Automatic Identification Systems and Tracking**

Moderator: Capt. Joe Ryan, The Skip'r, USA

**Time Zero VTS**

Eric Kunz, Furuno, USA

Iker Pryszo, Furuno, USA

**Long Range AIS Base Station**

Mark Johnson, Shine Micro, USA

**1015 - 1045 Refreshment break**

**1045 - 1200 SESSION 2B**

**Grande Ballroom A & B**

**Satellite Services**

Moderator: Michael Rambaut, Comité International Radio-Maritime (CIRM)

**Iridium's GMDSS Provider Application to the International Maritime Organization**

Brian Pemberton, Iridium, USA

**Ku/Ka-band broadband satellite terminals on ships: How regulatory constraints on their operation are enforced**

Joe Hersey

**Inmarsat Matine Safety Data Service and Distress Functions**

Howard Hughes, Inmarsat, UK

**Tuesday, September 24, 2013**

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**1200 - 1330 Lunch provided**

**1330 - 1500 SESSION 2C**

**Grande Ballroom A & B**

**e-Navigation Developments**

Moderator: Mark Johnson, Shine Micro, USA

**Maritime Head-Up Display and e-Navigation: Harmonizing Onboard Data with the Outside World**

Sam Pecota, California Maritime Academy, USA

**Latest Advancements in Satellite AIS and Related Application Technologies**

Andrew Loretta, ORBCOMM, USA

**Using Satellite AIS for Arctic Monitoring**

Chandler Smith, exactEarth-USA

**Expanding the use of AIS Application Specific Messages**

Jorge Arroyo, U.S. Coast Guard

**1500 - 1530 Refreshment break**

**1530 - 1630 SESSION 2D**

**Grande Ballroom A & B**

**e-Navigation Systems**

Moderator: Kendall Ferguson, Hemisphere GNSS, USA

**Evolutionary ECDIS**

Andy Norris, Chartco, UK

Chair IEC Technical Committee 80, Maritime Navigation and Radiocommunication Equipment and Systems

**BeiDou Satellite Navigation System**

Yi Jiang Qu, Shenzhen Maritime Safety Administration of P.R. China

**Wednesday, September 25, 2013**

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*All sessions open to all registrants unless noted*

**0830 Coffee and Juice service**

**0830 - 1330 Registration Desk Open**

**0900 - 1030 SESSION 3A**

**Grande Ballroom A & B**

**Distress and Navigation Technologies (also open to NMEA registrants)**

Moderator: Joe Hersey, U.S. Coast Guard

**Enabling Technologies for Second Generation Beacons**

Mark Rice, Honeywell Global Tracking, Canada

**Breitling Emergency Wristwatch with a Dual Frequency Beacon**

Jean-Paul Girardin, Breitling SA, Switzerland

**The State of Differential GPS / GNSS for Maritime Navigation**

Kendall Ferguson, Hemisphere GNSS, USA

**0900 - 1230 RTCM Workshop on Cospas-Sarsat Type Approval**

**Executive Center 2A & 2B**

Attendance is restricted to organizations / parties involved in the C/S type approval process.

**1030 - 1100 Refreshment break**

**1100 - 1230 SESSION 3B**

**Grande Ballroom A & B**

**NMEA Network Report**

Steve Spitzer, NMEA Technical Director

Lee Luft, U.S. Coast Guard R&D Center

**1200 - 1330 Lunch provided**



**Wednesday, September 25, 2013**

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**1330 - 1700 Meeting of RTCM Special Committee 110 -  
Emergency Beacons**

**Executive Center 2A & 2B**

Chair: Chris Hoffman, ACR Electronics, USA & UK

**1615 - Exhibit Hall Opens**

**Nautilus (Lower Level)**

**1700 - 1900 Meeting of Commercial Emergency Notification and  
Locating Devices (CENALD) Working Group of the  
National Search and Rescue Committee**

**Executive Center 1**

Chair: LCDR Aaron Ortenzio, U.S. Coast Guard

**Thursday, September 26, 2013**

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*All sessions open to all registrants unless noted*

**0830 Coffee and Juice service**

**0830 - 1100 Registration Desk Open**

**0900 - 1230 Meeting of the National GMDSS Implementation Task Force**

**Executive Center 3A & 3B (Public meeting)**

Chair: CAPT Jack Fuechsel, USCG (ret.), USA

**0900 - 1700 Meeting of the RTCM Special Committee 129 on Portrayal of Navigation-Related Information on Shipboard Displays**

**Executive Center 1**

Chair: Capt. Joe Ryan, The Skip'r, USA

**0900 - 1700 Meeting of RTCM Special Committee 110 on Emergency Beacons**

**Executive Center 2A & 2B**

Chair: Chris Hoffman, ACR Electronics

**Friday, September 28, 2012**

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*All sessions open to all registrants unless noted*

**0830 Light food and beverage service**

**0830 - 1000 Registration Desk Open**

**0900 - 1730 Beacon Manufacturer's Workshop**

**Java Sea (Public meeting – separate registration required)**

Beacon Manufacturer's Workshop, sponsored by the SARSAT Program Office, NOAA, U.S. Department of Commerce. Workshop attendees should submit advance registration; Telephone 1-301-817-3892 or 1-888-212-SAVE (7283), Telefax (301) 731-2067.

**0900 - 1630 Meeting of the RTCM Group of e-Navigation Committees**

**Coral Sea 1**

Chair: Capt. Joe Ryan, The Skip'r, USA

**e-Navigation Steering Committee**

**SC 109 on Electronic Charting Technology**

**SC 112 on Ship Radar**

**SC 121 on Automatic Identification Systems and Digital Messaging**

**SC 129 on Portrayal of Navigation-Related Information on**

**Shipboard Displays**

**SC 130 on Electro-Optical Imaging Systems for Maritime Applications**

**SC 131 on Multi-System Shipborne Navigation Receivers**