



RTCM

2012



MGY radio room (replica) – 100 years

Conference

Program

September 23-28, 2012, Orlando, FL, USA

Sunday, September 23, 2012

2012 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
<http://www.rtc.org>

GENERAL MEETING AND HOTEL INFORMATION

All functions will be at the Loews Royal Pacific Hotel, Universal Studios, Orlando, FL.

1730 - 1930 Registration Desk Open

1830 - 2030 Welcome Reception for Registrants and Guests

Wantilan Event Area

Monday, September 24, 2012

All sessions open to all registrants unless noted

0830 Coffee and Juice service

0830 - 1630 Registration Desk Open

0900 - 1000 SESSION 1A

Pacifica 11/12

**Annual RTCM Business Meeting
Chuck Husick Memorial Award**

All Assembly Meeting registrants are invited to attend

Chair: George Lariviere
Chairman of the Board, RTCM

Keynote Address

RADM Bob Day, U.S. Coast Guard
Assistant Commandant for Command, Control, Communications, &
Information Technology

1000 - 1030 Refreshment Break

1030 - 1200 SESSION 1B

Pacifica 11/12

Regulatory Report

Moderator: Tim Strickland, U.S. Coast Guard

**World Radiocommunications Conference 2012, Wrap-up and
Heading to WRC-15**

Ross Norsworthy, REC, Inc.

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

Chris Hoffman, ACR Electronics, USA & UK

U.S. Federal Communications Commission Regulatory Activities

Ghassan Khalek, Federal Communications Commission, USA

U.S. Coast Guard Regulations Update

Jorge Arroyo, U.S. Coast Guard

Monday, September 24, 2012

1200 - 1330 Lunch provided

1330 - 1430 SESSION 1C

Pacifica 11/12

Emerging Developments

Moderator: Chris Hoffman, ACR Electronics, USA, UK

Ocean Signal - An Introduction

Dave Sheekey, Ocean Signal, UK

Iridium OpenPort and the Transition to Iridium NEXT

Dave Wigglesworth, Iridium, USA

1430 - 1500 Refreshment break

1500 - 1630 SESSION 1D

Pacifica 11/12

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

Panel Discussion

1700 - 1900 RTCM Board of Directors

Timor Sea 1

Member representatives welcome

Chair: George Lariviere, Chairman of the Board

Tuesday, September 25, 2012

All sessions open to all registrants unless noted

0830 Coffee and Juice service

0830 - 1530 Registration Desk Open

0900 - 1000 SESSION 2A

Pacifica 11/12

Automatic Identification Systems - Pt. 1

Moderator: Sandra Borden, RTCM Board of Directors

AIS Class E - Prototyping Enhanced AIS Over Commercial Wireless Networks to Benefit Maritime Communities

Chuck Benton, Technology Systems, Inc., USA

Mr. Gerry Bowe, U.S. Dept. of Homeland Security Science & Technology Directorate

Advanced AIS

Mark Johnson, Shine Micro, USA

0900 - 1130 Meeting of Commercial Emergency Notification and Locating Devices (CENALD) Working Group of the National Search and Rescue Committee

Timor Sea 1

Chair: CDR Mark Turner, U.S. Coast Guard

1000 - 1030 Refreshment break

1030 - 1200 SESSION 2B

Pacifica 11/12

Automatic Identification Systems - Pt. 2

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

National Space Plan's Global Maritime Awareness Mandate and the related "Collaboration in Space for International Global Maritime Awareness" (C-SIGMA) concept

Guy Thomas, Science & Technology Advisor, U.S. Coast Guard

AIS Vessel Identification and Techniques

Dave Winkler, U.S. Coast Guard

Technical developments toward the augmentation of AIS and the introduction of VDE

Ross Norsworthy, REC, Inc., USA

Tuesday, September 25, 2012

1200 - 1330 Lunch provided

1330 - 1445 SESSION 2C

Pacifica 11/12

Satellite Services

Moderator: Brian Tetreault, U.S. Army Corps of Engineers

Satellite AIS Capabilities

Andrew Loretta, Orbcomm, USA

Using Satellite AIS for Arctic Traffic Monitoring

David Martin, exactEarth Ltd, Canada

Inmarsat Safety Services Developments

Peter Blackhurst, Inmarsat, UK

1445 - 1515 Refreshment break

1515 - 1630 SESSION 2D

Pacifica 11/12

e-Navigation

Moderator: Ross Norsworthy, REC, Inc., USA

Wide-Area Timing, Frequency, and Data Using Terrestrial Ground-Wave RF Solutions

Chuck Schue, UrsaNav, USA

RTCM's New Special Committee on Multi System Navigation Receivers

Capt. Joe Ryan, The Skip'r, USA

Wednesday, September 26, 2012

All sessions open to all registrants unless noted

0830 Coffee and Juice service

0830 - 1330 Registration Desk Open

0900 - 1030 SESSION 3A

Pacifica 11/12

**Communication and Navigation Systems
(also open to NMEA registrants)**

Moderator: CAPT Jack Fuechsel, GMDSS Task Force, USA

MEOSAR - The Second Generation Search and Rescue Satellite System

Chris O'Connors, NOAA Sarsat Program Office, USA

History and Future of Digital Selective Calling

Joe Hersey, U.S. Coast Guard

Advancements in Two-Way Personal Satellite Communication Devices

Pat Shay, DeLorme, USA

Future AIS

Jorge Arroyo, U.S. Coast Guard

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

Phillipine Sea

Chair: Chris Hoffman, ACR Electronics, UK & USA

1030 - 1100 Refreshment break

Wednesday, September 26, 2012

1100 - 1230 SESSION 3B

Pacifica 11/12

RTCM and NMEA - Looking to the Future

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

RTCM's Electronic Chart System and Radar Standards - Moving Forward with eNavigation

Capt. Joe Ryan, The Skip'r, USA

NMEA Networks

NMEA 0183 new version

NMEA 2000

NMEA OneNet

NMEA 0400 Installation

IMEA

Steve Spitzer, NMEA Technical Director

Bruce Angus, NMEA Interim Executive Director

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

1230 - 1330 Lunch provided

**1330 - 1700 Meeting of RTCM Special Committee 123 -
Digital Message Services over Maritime Frequencies**

South China Sea

Chair: Ross Norsworthy, REC, Inc., USA

1400 - 1900 NMEA/ RTCM Exhibits

Pacifica 7

Thursday, September 27, 2012

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

Java Sea (Public meeting)

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

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

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

Coral Sea 2

Chair: Chris Hoffman, ACR Electronics

Friday, September 28, 2012

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

Future RTCM Annual Assembly Meeting

September 22-27, 2013

(Co-located with 2012 NMEA

International Marine Electronics Conference & Expo)

Sheraton San Diego Hotel & Marina

San Diego, CA USA

