Conference Program

2008 Annual Assembly Meeting and Conference of the Radio Technical Commission for Maritime Services

May 4-10, 2008
San Diego, California, USA
Sunday, May 4, 2008

1730 - 1930  Registration Desk Open

1830 - 2030  Welcome Reception for Registrants and Guests

Monday, May 5, 2008

0830  Light food and beverage service

0830 - 1630  Registration Desk Open

0900 - 1000  SESSION 1A

Morning Technical Program

Annual RTCM Business Meeting
All Assembly Meeting registrants are invited to attend
Chair:  George Lariviere
Chair of the Board, RTCM

An Overview of Deepwater Communications and Information Systems
RDML David Glenn, U.S. Coast Guard
Introduction: RADM Rudy Peschel, U.S. Coast Guard (ret.)

1000 - 1030  Refreshment Break

1030 – 1130  SESSION 1B – TECHNICAL SESSION

U.S. and International Regulations – Part 1
Moderator:  George Dillon, Federal Communications Commission, USA

- U.S. Coast Guard Regulatory initiatives, including Automatic Identification Systems, Advance Notice of Arrival and Electronic Charts, and Long Range Identification and Tracking (LRIT)
  Jorge Arroyo, U.S. Coast Guard
- U.S. Federal Communications Commission (FCC) Regulatory Initiatives
  Ghassan Khalek, Federal Communications Commission, USA
- Work of the International Maritime Organization’s Subcommittee on Radiocommunications and Search and Rescue (COMSAR)
  CAPT Len Ritter, U.S. Coast

1130 - 1300  Lunch Break – Exhibit Suites Open
Committee Meetings

Note: Some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.

1015 - 1800  SESSION A1

Meeting of RTCM SC127 - eLoran

Chair: Ben Peterson, Peterson Integrated Geopositioning

1300 - 1630  SESSION A2

Meeting of RTCM SC121 - Automatic Identification Systems and Digital Messaging

Chair: Joe Ryan, The Skip’r

Afternoon Technical Program

1300 – 1400

SESSION 1C – TECHNICAL SESSION

U.S. and International Regulations – Part 12

Moderator: George Dillon, Federal Communications Commission, USA

- International Telecommunications Union and the World Radiocommunication Conference, 2008
  Mr. Brandon Mitchell, U.S. National Telecommunications and Information Administration

- Radio and Spectrum Requirements for Port Security
  Mr. Jon Turban, U.S. Coast Guard Research and Development Center
  Mr. Joe Hersey, U.S. Coast Guard Headquarters

- Radio Spectrum Liberalisation - How Could It Affect Maritime Users?
  Mr. Martin Hart, Maritime and Coastguard Agency, United Kingdom

- U.S. Coast Guard Report to Congress on Use of Voyage Data Recorders on Ferries
  Dolores Pyne-Mercier, U.S. Coast Guard

1400-15  Refreshment Break
eNavigation Systems
Moderator: Mr. Mike Sollosi, U.S. Coast Guard

- Navigation Sonar - A Whole New Vision Underwater
  Ms. Cheryl Zimmerman and Mr. Ian Bowles, Farsounder, Inc., USA

- Keeping a SharpEye On and Off the Coast
  Mr. Martin Taylor, Kelvin Hughes, Ltd., United Kingdom
  Mr. Barry Wade, Kelvin Hughes, Ltd., United Kingdom

- Advanced Radar Processing for Demanding Applications
  Mr. David Hurley, Rutter Technologies, Inc., Canada

- Portable Piloting Units (PPUs): Current Use, Future Trends
  Dr. Lee Alexander, Center for Coastal & Ocean Mapping/Joint Hydrographic Center University of New Hampshire, USA

- Electronic Navigation on the St. Lawrence River
  Gilles Ringuette, Canadian Coast Guard

1630 – 1930  Exhibit Suites Open

1700 – 1800  RTCM Board of Directors Meeting

Chair: George Lariviere
Chairman of the Board
RTCM member representatives welcome
Tuesday, May 6, 2008

0800 Light food and beverage service
0800 - 1530 Registration Desk Open

Committee Meeting

Note: Some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.

0830 - 1130 SESSION B1

Meeting of IEC TC80 Working Group 7A - Electronic Chart Systems

Chair: Mr. Bob Feather, Feathersoft, USA

(Note: Meeting continues through Thursday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.)

Technical Program

0830 – 0930 SESSION 2A – TECHNICAL SESSION

International Electrotechnical Commission Activities of Technical Committee 80, Maritime Navigation and Radiocommunication Equipment and Systems

Mr. Chris Hoffman, representing IEC TC80 Secretariat

Meeting of U.S. TAG (Technical Advisory Group)

Mr. Joe Hersey, U.S. National Committee Technical Advisor (TA) and TAG Administrator

0930 – 1000 Refreshment Break

1000 – 1130 SESSION 2B – TECHNICAL SESSION

GMDSS Communications

Moderator: Ross Norsworthy, REC, Inc., USA

- Rescue 21
  CDR Al Arsenault, U.S. Coast Guard
- Proposed Class H DSC Hand Held VHF Radio with GPS
  Mr. Chris Hoffman, PROCON, Inc.
- RF Propagation Over Water
  Mr. Daniel Faria, Harris Corp., USA
- Radio Spectrum Liberalisation - How Could It Affect Maritime Users?
  Mr. Martin Hart, Maritime and Coastguard Agency, United Kingdom
- The Future of MF/HF in the GMDSS
  Mr. Rene Stiegler, Shipcom, LLC, USA
Tuesday, May 6, 2008 (cont’d)

1130 – 1330 Lunch Break – Exhibit Suites Open

1330 – 1430 SESSION 2C – TECHNICAL SESSION

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1430 - 1500 Refreshment Break

1500 -1630 SESSION 2D – TECHNICAL SESSION

Automatic Identification Systems

Moderator: Alan Stewart, Northern Lighthouse Board, Scotland

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<td>Nationwide AIS Status Report</td>
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1630 – 1930 Exhibit Suites Open
Wednesday, May 7, 2008

0800     Light food and beverage service
0830 - 1330  Registration Desk Open

**Committee Meetings**

Note: Some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.

0900 - 1300  SESSION C1

Meeting of RTCM Joint Special Committees 101 and 110 on VHF GPS-enabled portable radios
Chair: Chris Hoffman, PROCON

0900 - 1630  SESSION C2

Meeting of IEC TC80 Working Group 7A - Electronic Chart Systems
Chair: Mr. Bob Feather, Feathersoft, USA
(Note: Meeting continued from Wednesday, continues Thursday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.)

0900 - 1630  SESSION C3

Meeting of IEC TC80 AIS Working Group
Chair: Mr. Alan Stewart, Northern Lighthouse Board, Scotland
(Note: Meeting continues through Saturday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.)

**Technical Program**

0900 - 1030  SESSION 3A – TECHNICAL SESSION

Satellite and Terrestrial Radionavigation
Moderator: Mr. Chuck Husick, BoatU.S. Foundation

- Maritime and Nationwide DGPS Update
  LT Lee Hartshorn, U.S. Coast Guard Headquarters
- UTC Synchronization for the U.S. Loran System
  LTJG Aaron Dahlen, U.S. Coast Guard Loran Support Unit
- The U.S. Coast Guard’s Loran Program
  LCDR Michael Herring, U.S. Coast Guard Headquarters
- Developing Standards for the eLoran System
  Ben Peterson, Peterson Integrated Geopositioning, USA
  Chair, RTCM Special Committee 127

1030 – 1100  Refreshment Break
Wednesday, May 7, 2008 (cont’d)

1100 – 1200 SESSION 3B – TECHNICAL SESSION

E-Navigation Panel
The role of RTCM in the emerging international eNavigation strategy
Chair: Capt. Joe Ryan, The Skip’r, USA

Panel members:
Dr. Alan Grant, General Lighthouse Authorities, UK
Mr. Jorge Arroyo, U.S. Coast Guard

1200 – 1330 Lunch Break – Exhibit Suites Open

1330 - 1500 SESSION 3C – TECHNICAL SESSION

Innovative Satellite Technologies
Moderator: RADM Ed Gilbert (USCG, ret.), Gilbert and Associates, USA

• What Price Your Life? Distress Alerting as a Commercial Service
  Mr. Doug Ritter, Equipped to Survive Foundation, USA

• Utilization of Iridium for Safety and Tracking Applications
  Mr. David Wigglesworth, Iridium, USA
  
  Sea mim
  Mr. Lyman Moquin, ICO Global Communications, USA
  
  Emergency Communications with TerreStar’s Satellite and Terrestrial Network
  Mr. Jim Frelk, TerreStar, USA

1500 - 1530 Refreshment Break

15300 - 1630 SESSION 3D – TECHNICAL SESSION

Satellite Emergency Beacon Technology
Will you be saved? - 406 MHz beacon issues and developments for Search and Rescue

CAPT Chris Hall, U.S. Coast Guard, Chief, Office of Search and Rescue
LCDR Kathy Niles, U.S. Coast Guard, SARSAT Liaison Officer
Mr. Larry Yarborough, U.S. Coast Guard Seventh District

1630 - 1930 Exhibit Suites Open

1800 Prize Drawings – Exhibit Area
Thursday, May 8, 2008

0800   Light food and beverage service

0830 - 1100   Registration Desk Open

Note: Some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.

Refreshment breaks will be held in a central location from 1000 to 1100 and from 1430 to 1530.

Lunch breaks for individual sessions will be scheduled by the session leaders.

Committee Meetings

All Assembly Meeting registrants are invited to attend these committee meetings, except as noted.

0900 - 1300   SESSION D1

Meeting of the U.S. Global Maritime Distress and Safety System Implementation Task Force

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

1000 - 1700   SESSION D2

Meeting of RTCM Special Committee 104 on Differential Global Navigation Satellite Systems

   Chair: Rudy Kalafus, Trimble Navigation, USA

   (Note: Meeting continues Friday)

0900 - 1700   SESSION D3

Meeting of RTCM Special Committee 110 on Emergency Beacons

   Chair: Paul Steward, Seimac, USA
Thursday, May 8, 2008 (cont’d)

0900 - 1700  SESSION D4

Meeting of IEC TC80 Working Group 7A - Electronic Chart Systems

Chair: Mr. Bob Feather, Feathersoft, USA

(Note: Meeting continued from Wednesday and Thursday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.

0900 - 1700  SESSION D5

Meeting of IEC TC80 AIS Working Group

Chair: Mr. Alan Stewart, Northern Lighthouse Board, Scotland

(Note: Meeting continued from Wednesday, continues through Saturday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.

0900 - 1700  SESSION D6

Meeting of RTCM Special Committee 121 Working Group - Expanded Use of AIS in VTS

Co-Chairs: Lee Alexander, Center for Coastal & Ocean Mapping / Joint Hydrographic Center, USA
Irene Gonin, U.S. Coast Guard Research and Development Center
Friday, May 9, 2008

0830 Light food and beverage service
0830 - 1000 Registration Desk Open

Note: Some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.

Refreshment Breaks will be held in a central location from 1000 to 1100 and from 1430 to 1530. Lunch breaks for individual sessions will be scheduled by the session leaders.

Workshop

0900 - 1730 SESSION E1

Beacon Manufacturer's Workshop

U.S. Department of Commerce, NOAA, SARSAT Program Office, USA

The Beacon Manufacturer's Workshop, sponsored by the SARSAT Program Office, NOAA, U.S. Department of Commerce, will consider issues related to 406 MHz Satellite Emergency Position-Indicating Radiobeacons (EPIRBs), Emergency Locator Transmitters (ELTs), Personal Locator Beacons (PLB's), and the COSPAS-SARSAT System. Items to be addressed include Beacon Type Approval Testing, 121.5/243 MHz Phase-out and Beacon Registration among other topics.

Separate registration required (no additional fee): Workshop attendees should submit advance registration and other recommended session topics to the NOAA/NESDIS, SARSAT Program Office, Code E/SP3, NSOF, 4231 Suitland Road, Suitland, Maryland 20746, USA; Telephone +1-301-817-3806 Telefax +1-301-817-3904.
Committee Meetings

All Assembly Meeting registrants are invited to attend these committee meetings, except as noted.

0900 - 1700  SESSION E2
Meeting Of RTCM Special Committee 104 on Differential Global Navigation Satellite Systems
    Chair: Rudy Kalafus, USA
    (Note: Meeting continued from Thursday)

0900 - 1700  SESSION E3
Meeting Of RTCM Special Committee 123 - VHF-FM Digital Small Message Services
    Chair: Ross Norsworthy, REC, Inc., USA

0900 - 1700  SESSION E4
Meeting of IEC TC80 AIS Working Group
    Chair: Mr. Alan Stewart, Northern Lighthouse Board, Scotland
    (Note: Meeting continued from Wednesday and Thursday, continues through Saturday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.)

Saturday May 10, 2008

0900 - 1300  SESSION F1
Meeting of IEC TC80 AIS Working Group
    Chair: Mr. Alan Stewart, Northern Lighthouse Board, Scotland
    (Note: Meeting continued from Wednesday - Friday. Participation is limited to IEC TC80 members designated by their national committee. Others may attend plenary sessions as observers only.)
Exhibitors

Registered Prior To Program

Printing

For Additional Exhibitors See http://www.rtcm.org

Exhibits Open
May 5 - 7, 2008

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GENERAL MEETING AND HOTEL INFORMATION

All meeting session activities will be at the Catamaran Resort Hotel, 3999 Mission Boulevard, San Diego CA 92109, USA.

What to see in the San Diego area
San Diego offers a wealth of activities for everyone. Possible tours include:
• Mission Bay
• Sea World
• San Diego Zoo and Wild Animal Park
• Legoland
• 70 miles of beaches
• San Diego Padres baseball at Petco Park
• Historic Old Town San Diego
• Sightseeing at Point Loma and the Cabrillo National Monument
• Nightlife at the Gaslight Quarter
• Music, Dance, and Theater with the San Diego Performing Arts League
• Tijuana, Mexico

Future RTCM Annual Assembly Meetings

May 3 – 8, 2009
TradeWinds Island Grand Resort
5500 Gulf Boulevard
St. Pete Beach, FL  33706, USA

May 16 – 22, 2010
Catamaran Resort
3999 Mission Boulevard
San Diego CA 92109, USA