

RTCM 2006



Conference Program

**2006 Annual Assembly Meeting
and Conference of the
Radio Technical Commission
for Maritime Services**

**May 7-13, 2006
Newport Beach, California, USA**

*Radio Technical Commission for Maritime Services
1800 N. Kent St., Suite 1060
Arlington, Virginia 22209, USA*

**E-Mail: Info@rtcm.org
<http://www.rtc.org>**

2006 RTCM ANNUAL ASSEMBLY MEETING PROGRAM

Sunday, May 7, 2006

1730 - 1930 Registration Desk Open

1830 - 2030 Welcome Reception for Registrants and Spouses

Monday, May 8, 2006

0830 Light food and beverage service

0830 - 1630 Registration Desk Open

0900 - 1000 SESSION 1A

Keynote Address: Toward an E-Navigation Strategy at the International Maritime Organization

Guest Speaker: Mr. Brian Wadsworth, Director, Logistics and Marine Transport, Department for Transport, United Kingdom

Annual RTCM Business Meeting

Chair: George Lariviere
Chair of the Board, RTCM

All Assembly Meeting registrants are invited to attend

1000 - 1030 Refreshment Break

Morning Technical Program

1030 – 1200 SESSION 1B – TECHNICAL SESSION
--

Regulatory Issues

Moderator: Mike Sollosi
U.S. Coast Guard

- U.S. Coast Guard Regulatory developments regarding Automatic Identification Systems, Advance Notice of Arrival and Electronic Charts
Jorge Arroyo, U.S. Coast Guard
- Regulatory Developments at the U.S. Federal Communications Commission (FCC)
Ghasan Khalek and Tim Maguire, Federal Communications Commission, USA
- Over the Horizon – Review of the Maritime Radio Spectrum and Where We Are Headed
Joe Hersey, U.S. Coast Guard
- Current Legal Issues in Maritime Communications
Larry Solomon, U.S. Coast Guard

1200 - 1330 Lunch Break – Exhibit Suites Open

Monday, May 8, 2006 (cont'd)

Committee Meeting

**0800 - 1200 SESSION A1
1330 - 1630**

Meeting of NMEA 2000 Working Group on Digital Interfaces

Chair: Steve Spitzer, National Marine Electronics Association, USA

(Note: Meeting Continues Tuesday - Wednesday. If you wish to attend these meetings and are not a regular member of this committee, please contact NMEA for more information.)

Afternoon Technical Program

1330 - 1430 SESSION 1C - TECHNICAL SESSION

International Electrotechnical Commission Technical Committee 80, Maritime Navigation and Radio-communication Equipment And Systems (IEC TC80)

**Moderator: Joseph D. Hersey Jr
Technical Advisor, U.S. National Committee Technical
Advisory Group For IEC TC80, USA**

- Work of IEC Technical Committee 80 (TC80) on Maritime Navigation And Radiocommunication Equipment And Systems**
- Meeting of the U.S. National Committee Technical Advisory Group For IEC Technical Committee 80 (TC80)**

1430 - 1500 Refreshment Break

Monday, May 8, 2006 (cont'd)

1500 – 1630 Session 1D – TECHNICAL SESSION

Activities at the International Telecommunications Union (ITU)

Moderator: George Dillon, Federal Communications Commission, USA

- **International Telecommunications Union - Radiocommunications Sector Processes** (not presented at session)
Darlene A. Drazenovich, National Telecommunications and Information Administration, USA
- **CEPT Position on Preparation for WRC 07**
Christian Rissone, Agence Nationale des Fréquences (ANFR), France
- **HF Allocations, and Dynamic Propagation-Based Frequency Selection**
Peter Kierans, Globe Wireless, USA

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 9, 2006

0800 Light food and beverage service

0800 - 1630 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.

0800 - 1200 SESSION B1
1330 - 1630

Meeting of NMEA 2000 Working Group on Digital Interfaces

Chair: Steve Spitzer, National Marine Electronics Association, USA

(Note: Meeting Continued from Monday; Continues Wednesday. If you wish to attend these meetings and are not a regular member of this committee, please contact NMEA for more information.)

0900 - 1700 SESSION B2

Meeting of U.S. Coast Guard Navigation Safety Advisory Committee

Chair: Captain Jeffrey Monroe, Director of the DOT & Port of Portland, ME, USA

(Note: Meeting Continues Wednesday – Thursday)

All Assembly Meeting registrants are invited to attend this public meeting.

Technical Program

0830 – 1000 SESSION 2A – TECHNICAL SESSION
--

The Maritime VHF System

Moderator: George Dillon, Federal Communications Commission, USA (invited)

- The Coast Guard's Rescue 21 System
CAPT Dan Abel, U.S. Coast Guard
- Sea Smart System
Charles Zaloom, SeaTow International, USA
- RTCM's New Special Committee 123 on VHF-FM Digital Small Message Services
Ross Norsworthy, REC, Inc., USA
Daoud Serang, CML Micro, USA
Mark Johnson, Shine Micro, USA

1000 – 1030 Refreshment Break

Tuesday, May 9, 2006 (cont'd)

1030 – 1130 SESSION 2B – TECHNICAL SESSION

Automatic Identification Systems (AIS)

Moderator: Fred Pot, Marine Management Consulting, USA

- **AIS AtoNs, Realising the Potential Benefits**
Alan Stewart, Northern Lighthouse Board, Scotland
- **Long-Range detection of AIS**
Jerry Hurt, Alion Science and Technology, USA
- **Net-Centric Operations of AIS**
Robert Pfister (Presenter), Frequentis Defense, USA;
Georg Zsemmla, Frequentis GmbH, Austria;
Dieter Eier, Frequentis USA
- **AIS Technical Problems which plague mariners**
Devon Humphrey, Raven Industries, USA

1130 – 1330 Lunch Break – Exhibit Suites Open

1330 – 1430 SESSION 2C – TECHNICAL SESSION

GMDSS Issues

**Moderator: CAPT John C. Fuechsel (USCG, ret.),
GMDSS Implementation Task Force, USA**

- **Shipcom's Katrina Experience**
Rene Stiegler, Shipcom, USA
- **The BoatU.S. Foundation's Online Digital Selective
Calling Training Course**
Chuck Husick, BoatU.S. Foundation, USA
- **Update on GMDSS Modernization**
RADM Ed Gilbert (USCG, ret.), Gilbert and
Associates, USA

1430 - 1500 Refreshment Break

1500 -1630 SESSION 2D – TECHNICAL SESSION

Electronic Charts

Moderator: Fred Ganjon, IIC Technologies, Inc., USA

- **NGA Digital Nautical Chart**
Keith Alexander, National Geospatial-Intelligence
Agency, USA
- **NOAA Certification Programs**
David B. Enabnit and John E. Nyberg, Office of Coast
Survey/National Ocean Service, USA
- **Revision of the IMO ECDIS Standards**
Joe Ryan, The Skip'r, USA
- **IMO Correspondence Group on ECDIS**
RADM Chris Andreasen, National Geospatial-
Intelligence Agency, USA

1630 – 1930 Exhibit Suites Open

Wednesday, May 10, 2006

0800 Light food and beverage service

0830 - 1230 Registration Desk Open

Morning Technical Program

0900 - 1000 SESSION 3A – TECHNICAL SESSION

Satellite Services

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

- **Development of Long-Range Identification and Tracking (LRIT) requirements at the International Maritime Organization (IMO)**
Robert Markle, Radio Technical Commission for Maritime Services, USA
- **Upgrading onboard satellite communications: Is it the correct choice for your vessel?**
Bo Norton, Telenor Satellite Services, USA
- **The Challenge New Satellite GMDSS Providers Present to the Provision of WorldWide Navigational Warning Services**
Peter M. Doherty, National Geo-Spatial Intelligence Agency, USA

1000 – 1030 Refreshment Break

1030 – 1200 SESSION 3B – TECHNICAL SESSION

Navigation Information and Systems

Moderator: Ian Bowles, Japan Radio Company, Ltd., USA

- **The Challenges of the S-VDR Market**
Byron Dawe, Rutter Technologies, Inc., Canada
- **S-VDR – Are we missing the point ?**
Paul Welling, Transas USA
- **SmartBay - An Operational Pilot Project in Information Management**
Neil Cater, Canadian Centre For Marine Communications
- **Mitigating interference to X-band maritime radars from radiolocation and space-based radars**
Darlene A. Drazenovich, National Telecommunications and Information Administration, USA

1200 – 1330 Lunch Break – Exhibit Suites Open

Wednesday, May 10, 2006 (cont'd)

Committee Meetings

All Assembly Meeting registrants are invited to attend these committee meetings

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

0800 - 1200 SESSION C1

Meeting of NMEA 2000 Working Group on Digital Interfaces

Chair: Steve Spitzer, National Marine Electronics Association, USA

(Note: Meeting Continued from Monday and Tuesday. If you wish to attend these meetings and are not a regular member of this committee, please contact NMEA for more information.)

0800 - 1200 SESSION C2

Meeting of RTCM Special Committee 123 on VHF Digital Small Message Services

Chair: Ross Norsworthy, REC, Inc., USA

0900 - 1700 SESSION C3

Meeting of U.S. Coast Guard Navigation Safety Advisory Committee

Chair: Captain Jeffrey Monroe, Director of the DOT & Port of Portland, ME, USA

(Note: Meeting Continued from Tuesday, Continues through Thursday)

0900 - 1200 SESSION C4

Meeting of RTCM Special Committee 109 on Electronic Chart Systems

Chair: Fred Ganjon, IIC Technologies, Inc., USA

Wednesday, May 10, 2006 (cont'd)

1330-1700 SESSION C5

Meeting of NMEA 0183 Working Group on Interfacing Marine Electronic Devices

Chair: Steve Spitzer, National Marine Electronics Association, USA

(Note: If you wish to attend these meetings and are not a regular member of this committee, please contact NMEA for more information.)

1330 - 1700 SESSION C6

Meeting of RTCM Special Committee 119 on Maritime Survivor Locating Devices

Chair: John Flood, ACR Electronics, USA

1330 - 1700 SESSION C7

Meeting of the International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7A on Electronic Charts

Chair: Bob Feather, The Skip'r, LLC, USA

(Note: Meeting continues through Saturday. If you wish to attend these meetings and are not a regular member of this committee, please contact the chair for more information.)

Afternoon Technical Program

1330 - 1430 SESSION 3C – TECHNICAL SESSION
--

Satellite Navigation

Moderator: Rob Turner, Transport Canada

- **USCG Reference Station Recapitalization**
Mike Parsons, U.S. Coast Guard
- **Commercial GPS Susceptibility to High Power Microwave Emissions**
Stan Williams, Naval Surface Warfare Center, USA

1430 - 1500 Refreshment Break

1500 - 1630 SESSION 3D – TECHNICAL SESSION
--

The Future of Loran

Moderator: Langhorne Bond, International Loran Association, USA

- **2006 - The Year of Decision for Loran**
Langhorne Bond, International Loran Association, USA
- **LORAN Modernization Program Status**
CDR Christopher Nichols, U.S. Coast Guard Loran Support Unit
- **The Role of Loran in Marine Navigation**
Bill Brogden, CAPT, USCG (ret), USA
- **The Role of Loran Timing in Telecommunications**
Mike Lombardi, National Institute for Standards and Technology, USA

1630 - 1930 Exhibit Suites Open

1800 Prize Drawings – Exhibit Area

Thursday, May 11, 2006

0800 Light food and beverage service

0830 - 1230 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

0900 - 1200 SESSION D1

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

Chair: Jack Fuechsel, USA

0900 - 1700 SESSION D2

Meeting of U.S. Coast Guard Navigation Safety Advisory Committee

Chair: Captain Jeffrey Monroe, Director of the DOT & Port of Portland, ME, USA

(Note: Meeting Continued from Tuesday and Wednesday)

0900 - 1700 SESSION D3

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

Chair: Rudy Kalafus, Trimble Navigation, USA

(Note: Meeting continues Friday)

Thursday, May 11, 2006 (cont'd)

0900 - 1700 SESSION D4

Meeting of the International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7A on Electronic Charts

Chair: Bob Feather, The Skip'r, LLC, USA

(Note: Meeting continued from Wednesday, continues through Saturday. If you wish to attend these meetings and are not a regular member of this committee, please contact the chair for more information.)

0900 - 1700 SESSION D5

Meeting of RTCM Special Committee 110 on Emergency Beacons

Chair: Paul Steward, USA

1330 - 1700 SESSION D6

Meeting of the U.S. SOLAS Working Group on Communications, Search and Rescue

Chair: CAPT Len Ritter, U.S. Coast Guard, USA

Friday, May 12, 2006

0830 Light food and beverage service

0830 - 1030 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

**Moderator: Ajay Mehta
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, FB4, Room 3320, 5200 Auth Road, Suitland, Maryland 20746-4304, USA; Telephone +1-301-457-5677; Telefax +1-301-457-5620.

Friday, May 12, 2006 (cont'd)

Committee Meetings

All Assembly Meeting registrants are invited to attend these committee meetings

0830 - 1230 SESSION E2

Meeting of RTCM Special Committee 124 - Maritime HF Interest Group

Chair: Tim Langdon, Military Sealift Command, USA

0900 - 1700 SESSION E3

Meeting of the International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7A on Electronic Charts

Chair: Bob Feather, The Skip'r, LLC, USA

(Note: Meeting continued from Thursday, continues through Saturday. If you wish to attend these meetings and are not a regular member of this committee, please contact the chair for more information.)

0900 - 1700 SESSION E4

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

Chair: Rudy Kalafus, USA

(Note: Meeting continued from Thursday)

0830 - 1230 SESSION E5

Meeting of RTCM Special Committee 125 - Integration of Antenna Facilities

Chair: Peter Kierans, Globe Wireless, USA

Saturday May 13, 2006

0830 Light food and beverage service

Committee Meeting

0900 - 1300 SESSION F1

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7A on Electronic Charts

Chair: Bob Feather, The Skip'r, LLC, USA

(Note: Meeting continued from Friday)



Exhibitors

**Exhibits Open
May 8-10, 2006**

L-3 Communications, Klein Associates, Inc.

11 Klein Drive
Salem, New Hampshire
03079, USA

www.L-3Klein.com

Contact: **Deborah Durgin**
Tel: +1-603-890-1304
E-Mail: ddurgin@L-3Com.com



communications

Klein Associates, Inc.

Fax: + 1-603-890-9796

L-3 Communications, Klein Associates, Inc. is the exclusive US distributor for Raytheon Marine GmbH (RMG), a worldwide leader of maritime navigation and communications systems.

C-MAP

133 Falmouth Rd.
Mashpee, MA 02649, USA

www.c-map.com

Contact: Eric James
Tel: +1-508-477-7537
E-Mail: ejames@c-map.com



Fax: + 1- 508-539-4384

Distributor of Electronic Chart data on CD-Rom and other media; acts as link between Hydrographic Offices and end users of digital nautical charts.

Transas USA, Inc.

1727 Alaskan Way
South
Seattle, WA 98134,
USA



www.transasusa.com

Contact: Stacey Wolford or Henry Nel

Tel: +1-206-838-3000

Fax: + 1-206-838-7900

E-Mail: sales@transasusa.com

Transas specializes in Navigation Software, Vessel Traffic Services, Fleet Monitoring and Maritime Simulators. Transas USA is based in Seattle with the Transas HQ in Ireland.

Terma A/S

Hovmarken 4
DK-8520 Lystrup
Denmark



www.terma.com

Contact: Birthe Christensen

Tel: +45 8743 6000

Fax: +45 8743 6001

E-Mail: bic@terma.com

Radar Systems for:

Traffic surveillance in airports and ports, surface and coastal surveillance from land, sea and air surveillance from ships.

Telenor Satellite Services

1101 Wooten Parkway,
10th Floor
Rockville, MD 20852
USA



www.telenor.com/satellite

Contact: Art Silcox

Tel: +1 301 838-7798

E-Mail: customer.care@telenor.com

Telenor Satellite Services delivers innovative high-speed data, voice, and video communications, including secure services to government and corporate markets worldwide.

McMurdo Limited

Silver Point,
Airport Service Road
Portsmouth PO3 5PB UK



www.mcmurdo.co.uk

Contact: George Lariviere

Tel: +1-781-837-5892

Fax: +1-781-837-5249

E-Mail: sales@mcmpw.com

McMurdo is a leading supplier of electronic safety equipment and lights, products include NAVTEX, AIS, S-VDR Capsules, EPIRBs, PLBs, SARTs, VHF Radios and MOB Systems.

Saab TransponderTech AB

Låsblecksgatan 3
SE-589 41 Linköping
Sweden



SAAB

www.transpondertech.se

Contact: Gunnar Mangs

Tel: +46 13 18 23 00

Fax: + 46 13 18 23 77

Saab is one of the world's leading manufacturers of AIS Base Stations, Airborne, Mobile, Type Approved DGPS and Maritime Security coastal systems

Northrop Grumman Sperry Marine

6642 So. 193rd Place
Suite N-100
Kent, WA 98032, USA

Sperry Marine

www.sperry-marine.com

Contact: Linda Mullin

Tel: +1-425-656-2966

Fax: + 1-425-656-2971

Email: Linda.mullin@sperry.ngc.com

Sperry Marine is a worldwide organization with outstanding resources of research, production, distribution, and service. The preferred partner for smart navigation and ship control solutions.

2006 RTCM Assembly Meeting Exhibitors

L-3 Communications, Aviation Recorders

6000 Fruitville Rd.
Sarasota, FL 34232 USA



www.l-3ar.com

communications
Aviation Recorders

Contact: Mr. Anthony Casale

Tel: +1 941-377-5538

Fax: +1 941-377-5591

E-Mail: anthony.casale@l-3com.com

We are a world's leading manufacturer of Marine Voyage Data Recorder Capsules, AIS, AIS Base Stations and DSC radios for commercial, civil, and military applications.

Frequentis USA

12530 Parklawn Dr. Ste 360
Rockville, MD 20850, USA

www.frequentis.com/usa

Contact: Bob Pfister

Tel: +1-301-657-8001

Fax: + 1-301-657-8002

Email: Robert.pfister@frequentis.com

Frequentis specializes in safety critical communications solutions. The unrivaled functionality of Frequentis systems is the result of meticulous research and understanding of user needs.

Shine Micro, Inc.



SHINE MICRO

9405 Oak Bay Rd.
Port Ludlow, WA 98365 USA

www.sealinks.net

Contact: Mr. Mark M. Johnson

Tel: +1 360-437-2503

Fax: +1 360-437-2483

E-Mail: mark@shinemicro.com

Shine Micro, Inc./Sealinks is the leader in low cost Class B AIS transponders, AIS receivers and high sensitivity AIS surveillance networks.

2006 RTCM Assembly Meeting Exhibitors

National Geospatial-Intelligence Agency (NGA)

4600 Sangamore Road, Mail Stop: D-44
Bethesda, Maryland 20816 USA

www.nga.mil/maritime

Contact: Pete Doherty

Tel: +1-301-227-7646

Fax: + 1-301-227-3731

E-Mail: pete.m.doherty@nga.mil

NGA collects, analyzes and populates maritime safety data and provides a worldwide access to standard, digital and tailored hydrographic and bathymetric navigation safety products/services.

**Japan Radio Company,
Ltd.**

 *Japan Radio Co., Ltd.*

1021 SW Klickitat Way D-101
Seattle, WA 98134 USA

www.jrcamerica.com

Contact: Ian Bowles

Tel: +1 206-654-5644

Fax: +1 206-654-7030

E-Mail: ianb@jrcamerica.com

An ISO 9001, 14001 company with worldwide service. Products include: GMDSS, AIS, VDR, radar, Inmarsat, SSB, SART, EPIRB, Navtex, ECDIS, GPS, DGPS and GPS compass systems.

ICAN

Suite 201, 1118 Topsail Road
Mount Pearl,
Newfoundland A1N 5E7
Canada

USA: 5646 Milton, Suite 535
Dallas, TX 75206

www.icanmarine.com

Contact: Joel Box

Tel: +1-256 489-0182

Fax: + 1-256 489-0197

Navigation and Surveillance Solutions including Mobile, Desktop, and VTS versions will be highlighted along with Aldebaran and Regulus Electronic Charting Systems and AIS hardware.



2006 RTCM Assembly Meeting Exhibitors

Easat Antennas Limited

The logo for Easat, featuring the word "easat" in a lowercase, red, sans-serif font.

Goodwin House, Leek Road
Hanley, Stoke-on-Trent ST1 3NR
United Kingdom

www.easat.co.uk

Contact: Jeff Dyer

Tel: +44 1782 208028

Fax: +44 1782 208060

A world-leading specialist provider of radar antennas and sensors for surveillance of air, ground, and sea targets for airport, port, border security, and military applications.

Harris Corporation

The logo for Harris Corporation, featuring the word "HARRIS" in a bold, black, sans-serif font. A red arrow points upwards from the left side of the letter "A".

M/S ER1-11B
PO Box 9800
Melbourne, FL 32902 USA

www.govcomm.harris.com

Contact: Steven Ritter

Tel: +1 321 726-1231

Fax: +1 321 726-1410

Harris Corporation is a leader in systems integration for the federal government - creating and combining complex, large-scale communications and information systems for customers.

Northrop Grumman ***NORTHROP GRUMMAN***

7575 Colshire Drive
McLean, VA 22102, USA

www.ngc.com

Contact: Leo Black

Tel: +1-703 556-3640

The Northrop Grumman Team is the industry leading provider of C4ISR proven, cost effective and rapidly deployable solutions in support of Maritime Domain Awareness.

WHAT TO SEE IN THE NEWPORT BEACH AREA

The Hyatt complex offers a full range of recreational activities:

- Three outdoor swimming pools (one heated, two unheated) and whirlpools reflect the hotel's lush tropical setting and are located conveniently throughout the property
- Fully equipped Cardio Room featuring exercise cycles, steppers, stair climbers, Nautilus® and Cybex® fitness equipment
- Free weights
- Jogging paths and bicycling trails
- Bicycle rentals
- Shuffleboard, table tennis and volleyball
- 16 Tennis courts/Palisades Tennis Club
- Gaylee Signature Spa
- On property, 9-hole Back Bay Executive Golf Course, available 8 am to dusk 7 days a week. Golf club rentals available

The hotel is adjacent to Newport Beach's Back Bay, where swimming, sun-bathing, and picnicking facilities are available, along with a range of water recreation equipment available for rent. The average air temperature in May is 73° F (23° C) by day and 56° F (13° C) by night. Concierge staff members are available to all leisure and group guests, to arrange a wide variety of day trips from shopping to excursions, making dinner reservations, arranging theater and attractions tickets, scheduling golf tee times and more.

Some nearby suggested activities include:

- Shopping and dining at Fashion Island Center (Hotel shuttle service provided)
- Shopping and dining at Balboa Island (Hotel shuttle service provided)
- Pacific Ocean beaches
- Golf at Strawberry Farms and other nearby courses
- Upper Newport Bay Ecological Reserve and Nature Preserve
- Newport Harbor Nautical Museum
- Boat trip to Santa Catalina Island
- Charter fishing trips
- Art museums
- Disneyland (Anaheim)
- Knott's Theme Park (Anaheim)
- Angels Major League Baseball (Anaheim)
- Discovery Science Center (Santa Ana)
- Queen Mary tour (Long Beach)
- Aquarium of the Pacific (Long Beach)
- Mission San Juan Capistrano
- Crystal Cathedral tour (Garden Gove)
- Richard Nixon Library and Birthplace (Yorba Linda)

Future RTCM Annual Assembly Meetings

May 6 – 12, 2007

TradeWinds Island Grand Resort
5500 Gulf Boulevard
St. Pete Beach, FL 33706, USA

May 5 – 12, 2008

Catamaran Resort
3999 Mission Boulevard
San Diego CA 92109, USA

