

RTCM 2004



Conference Program

**2004 Annual Assembly Meeting
and Conference of the
Radio Technical Commission
for Maritime Services**

**May 16-22, 2004
St. Pete Beach, Florida, 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>

2004 RTCM ANNUAL ASSEMBLY MEETING PROGRAM

Sunday, May 16, 2004

1730 - 1930 Registration Desk Open

1830 - 2030 Welcome Reception for Registrants and Spouses

Monday, May 17, 2004

0830 - 1630 Registration Desk Open

0900 - 1000 SESSION 1A

Annual RTCM Business Meeting

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

Guest Speaker - Keynote Address

Dr. Bill Lane, Chief Technologist, Office of Strategic Planning and Policy Analysis, Federal Communications Commission, USA

1000 - 1030 Coffee Break

Technical Program

1030 - 1130 SESSION 1B - TECHNICAL SESSION
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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**
Michael Rambaut MRIN
Deputy Secretary-General CIRM / Secretary IEC
TC80, United Kingdom
- **Meeting of the U.S. National Committee Technical
Advisory Group For IEC Technical Committee 80 (TC80)**

1130 - 1300 Lunch

Check Exhibitor Bulletin Board for Open Exhibits

Monday, May 17, 2004 (cont'd)

1300 – 1430 SESSION 1C – TECHNICAL SESSION

The Maritime Spectrum

Moderator: George Dillon

Federal Communications Commission, USA

- **History, current state, and future of the VHF maritime spectrum, the maritime community's most critical spectrum resource**
Joe Hersey, U.S. Coast Guard, USA
- **FCC Licensing of Maritime Spectrum by Auction**
Martin W. Bercovici, Keller and Heckman, LLP, USA
- **Software Defined Radio and the Joint Tactical Radio System**
John D. Bard, Ph.D, Space Coast Communication Systems, Inc., USA

1430 - 1500 Refreshment Break

1500 – 1630 Session 1D – TECHNICAL SESSION

Regulatory Activities

Moderator: Paul Arnstein

U.S. Coast Guard, USA

- **The Work Program of the Subcommittee on Communications and Search and Rescue of the International Maritime Organization (IMO)**
Capt Rick Hartman, U.S. Coast Guard, USA
- **Work Program of the Subcommittee on Navigation of the International Maritime Organization (IMO)**
Ed LaRue, U.S. Coast Guard, USA
- **Update On International Telecommunication Union (ITU) Activity which Impacts Maritime Radiocommunications and Radionavigation**
Dante Ibarra, Federal Communications Commission, USA
- **Maritime Related Regulatory Activities of the Federal Communications Commission**
Ghassan Khalek and Tim Maguire, Federal Communications Commission, USA

1630 – 1930 Exhibit Suites Open

1700 – 1800 RTCM Board of Directors Meeting

Chair: George Lariviere

Chairman of the Board

All RTCM members welcome

Tuesday, May 18, 2004

0830 - 1630 Registration Desk Open

Technical Program

0830 – 1000 SESSION 2A – TECHNICAL SESSION

Ship Security Alert Systems (SSAS)

**Moderator: Ross Norsworthy
REC, Inc., USA**

- **The Cospas-Sarsat Ship Security Alert System
LT Dan Karlson, Rick Vizbulis, National
Environmental Satellite Data and Information
Systems, USA**
- **Telenor's Inmarsat C Ship Security Alert System
Bo Norton, Telenor Satellite Services, USA**
- **Iridium's Ship Security Alert System
Chris Courard, Iridium Satellite LLC, Belgium**
- **Security Alerting by SHIPLOC: An Argos Solution
Bill Woodward, Service Argos, USA
Steve Morgan, North American CLS, USA
Presented by: Andy Peters, , North American CLS, USA**

1000 – 1030 Coffee Break

1030 – 1130 SESSION 2B – TECHNICAL SESSION

Ship Tracking and Reporting Services

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

- **Long Range Identification and Tracking - Developing
Requirements at the International Maritime
Organization
RADM Ed Gilbert (USCG, ret.), Gilbert &
Associates, USA**
- **Tracking Ships for Security and for Search and Rescue
Dan Lemon and Bill Cairns, U.S. Coast Guard
Headquarters, USA**
- **Tracking and Tracing of Ships, to meet present and
future needs
Robert E. Pfister, Frequentis USA**

1130 – 1330 Lunch

Check Exhibitor Bulletin Board for Open Exhibits

Tuesday, May 18, 2004 (cont'd)

1330 – 1500 SESSION 2C – TECHNICAL SESSION

Automatic Identification Systems

Moderator: Peter Dugher

Trinity House Lighthouse Service, UK

- **Vessel Traffic Service (VTS) Lower Mississippi River (LMR) - AIS Coverage Using Vessels of Opportunity**
Fred Mistichelli, U.S. Coast Guard, USA
- **AIS AtoNs. Northern Lighthouse Board's Recent Operational Experience**
Alan Stewart, Northern Lighthouse Board, United Kingdom
ALLOW SPACE FOR SINGLE AUTHOR LINE
- **IEC Standard for Class B Automatic Identification Systems (AIS)**
Adil Abbas, Raymarine, UK
Presented by: Peter Dugher, Trinity House Lighthouse Service, UK
- **Simulation of Class B AIS in the AIS Environment**
David Pietrazewski, U.S. Coast Guard, USA

1500 - 1530 Coffee Break

1530 -1630 SESSION 2D – TECHNICAL SESSION

Navigational Tools and Displays

Moderator: Fred Ganjon

IIC Technologies, USA

- **Real Time Updating - Real World Experiences**
Ken Cirillo, C-MAP, USA
- **Inland ECS: More than just ECDIS**
Helmut Lanziner, Xenex Navigation Inc., Canada
- **LookSea® Navigation: Achieving True Bridge Integration and Increased Safety through Augmented Reality**
Chuck Benton, LookSea LLC, USA

1630 – 1930 Exhibit Suites Open

Wednesday, May 19, 2004

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.

Morning Technical Program

0900 - 1030 SESSION 3A – TECHNICAL SESSION

Global Maritime Distress and Safety System Services

Moderator: Captain John C. Fuechsel, USCG (ret.)
U.S. Global Maritime Distress and Safety System
(GMDSS) Implementation Task Force

- U.S. Coast Guard Rescue 21 Update
CAPT Ed Thiedeman, U.S. Coast Guard, Project
Manager, USA
- Area A1 DSC - A European Perspective
David Sheekey, Simrad Ltd., UNITED KINGDOM
- MarITEL's New Wireless Data Capabilities
Gary Smith, MarITEL, USA

1030 – 1100 Coffee Break

1100 – 1200 SESSION 3B – TECHNICAL SESSION

Navigational Systems

Moderator: Peter D. W. Price
Chevron Texaco Shipping Company LLC, USA

- AIS/ECDIS/ARPA Integration
Frank Davis, Sperry Marine, USA
Presented by: Joe Fogler, Sperry Marine, USA
- Automatic Radar Positioning as a Backup to Shipborne
DGPS
Helmut H. Lanziner, Xenex Navigation Inc.,
CANADA
Dr. Lee Alexander, Center for Coastal and Ocean
Mapping – Joint Hydrographic Center, University
of New Hampshire, USA
Gilles Ringuette, Canadian Coast Guard, CANADA
- Satellite Broadcast Real-Time Weather and Forecasts at
Sea
E. Reed Wilbur, The Weather Channel Marine, USA

1200 – 1330 Lunch

Check Exhibitor Bulletin Board for Open Exhibits

Wednesday, May 19, 2004 (cont'd)

Committee Meetings

All Assembly Meeting registrants are invited to attend these committee meetings

**0800 - 1200 SESSION C1
1330 - 1630**

Meeting of NMEA 2000 Working Group On Digital Interfaces

Chaired by National Marine Electronics Association, USA

(Note: Meeting Continues On Thursday)

**0900 - 1200 SESSION C2
1330 - 1630**

Meeting of RTCM Special Committee 119 on Maritime Survivor Locating Devices

Chair: John Flood, ACR Electronics, USA

**0900 - 1200 SESSION C3
1330 - 1630**

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 14 on Automatic Identification Systems (AIS) for AtoNs and Shore Stations

Chair: Alan Stewart, Northern Lighthouse Board, United Kingdom

(Note: Meeting continues through Saturday)

1330 - 1630 SESSION C4

Meeting of RTCM Special Committee 122 on Ship Security Alert Systems

Convenor: Ross Norsworthy, REC, Inc., USA

Chair: RADM Ed Gilbert (USCG, ret.), Gilbert & Associates, USA

1330 - 1630 SESSION C5

Meeting of RTCM Special Committee 109 on Electronic Chart Systems

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

Wednesday, May 19, 2004 (cont'd)

Afternoon Technical Program

1330 - 1430 SESSION 3C – TECHNICAL SESSION

Radionavigation - Loran Systems

Moderator: LCDR John Merrill

U.S. Coast Guard Radionavigation Division, USA

- **US Loran Modernization**
Gene Schlechte, U.S. Coast Guard Navigation Center, USA
- **Differential Loran Study**
Dr. Ben Peterson and LT Kevin Carroll, U.S. Coast Guard Loran Support Unit, USA
- **European Loran-C and the GAUSS Initiative**
CAPT William Roland (USCG-ret), ILA Board of Directors, USA

1430 - 1500 Coffee Break

1500 - 1630 SESSION 3D – TECHNICAL SESSION

Radionavigation – Differential Global Navigation Satellite Systems

Moderator: CAPT Bob Nutting

U.S. Coast Guard Command and Control Center, USA

- **The Role of IALA in the International Co-ordination of Radio-navigation**
Peter Douglas
Northern Lighthouse Board (Scotland)
- **Nationwide DGPS Update & Future Plans**
LT Thom Harrington, DGPS Management Chief, US Coast Guard Navigation Center, USA
- **Commercial GPS receiver Front-end Vulnerability Testing for High RF Environments in Support of IEC**
Mr. Stanley Williams, Naval Surface Warfare Center, Dahlgren Division, USA
- **Enhanced DGPS (eDGPS)- Unlocking the Potential of the DGPS Infrastructure**
CAPT Richard Hartnett, Dean of Engineering, U.S. Coast Guard Academy, USASA

1630 - 1930 Exhibit Suites Open

1800 Prize Drawings – Exhibit Area

Thursday, May 20, 2004

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.

Coffee 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

0800 - 1200 SESSION D1

Meeting of NMEA 2000 Working Group On Digital Interfaces

Chaired by National Marine Electronics Association, USA

(Note: Meeting continues from Wednesday)

All Assembly Meeting registrants are invited to attend

0900 - 1215 SESSION D2

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

Chair: Jack Fuechsel, USA

All Assembly Meeting registrants are invited to attend

0900 - 1700 SESSION D3

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

Chair: Rudy Kalafus, USA

(Note: Meeting continues on Friday)

All Assembly Meeting registrants are invited to attend

0900 - 1700 SESSION D4

Meeting of RTCM Special Committee 110 on Emergency Beacons: Ship Security Alert Systems Operating through the Cospas-Sarsat System

Chair: Paul Steward, USA

All Assembly Meeting registrants are invited to attend

Thursday, May 20, 2004 (cont'd)

0900 - 1700 SESSION D5

Meeting of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7 on Electronic Chart Systems

Chair: Bob Feather, USA

(Note: Meeting continues through Saturday)

0900 - 1700 SESSION D6

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 14 on Automatic Identification Systems (AIS) for AtoNs and Shore Stations

Chair: Alan Stewart, United Kingdom

(Note: Meeting continued from Wednesday and continues through Saturday)

All Assembly Meeting registrants are invited to attend

1300 - 1700 SESSION D7

Meeting of NMEA 0183 Working Group on Interfacing Marine Electronic Devices

Chaired by National Marine Electronics Association, USA

All Assembly Meeting registrants are invited to attend

1330 - 1700 SESSION D8

Joint Meeting Of The U.S. SOLAS Working Groups on Communications, Search and Rescue, and on Safety of Navigation

**Co-Chairs: Joe Hersey, USA
Mike Sollosi, USA**

All Assembly Meeting registrants are invited to attend

Friday, May 21, 2004

0900 - 1200 Registration Desk Open

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

Coffee 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 the Ship Security Alerting System (SSAS); changes to PLB coding for land, maritime, and aviation use; and issues related to location protocol (GPS) beacons 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 +1-301-457-5678 (+1-888-212-SAVE); Telefax +1-301-457-5620.

Committee Meetings

0900 - 1730 SESSION E2

Joint meeting of RTCM Special Committees –

SC 101 on Digital Selective Calling

SC 117 on Maritime VHF Radiotelephone Equipment Operating In High-Level Electromagnetic Environments

**Chairs: Joseph D. Hersey Jr, USA
Robert C. Bradley, USA**

All Assembly Meeting registrants are invited to attend

Friday, May 21, 2004 (cont'd)

0900 - 1700 SESSION E3

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

Chair: Rudy Kalafus, USA

(Note: Meeting continued from Thursday)

All Assembly Meeting registrants invited to attend

0900 - 1700 SESSION E4

Meeting of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7 on Electronic Chart Systems

Chair: Bob Feather, USA

(Note: Meeting continues through Saturday)

All Assembly Meeting registrants invited to attend

0900 - 1700 SESSION E5

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 14 on Automatic Identification Systems (AIS) for AtoNs and Shore Stations

Chair: Alan Stewart, United Kingdom

(Note: Meeting continues through Saturday)

All Assembly Meeting registrants invited to attend

Saturday May 24, 2004

Committee Meetings

0900 - 1300 SESSION F1

Meeting of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 7 on Electronic Chart Systems

Chair: Bob Feather, USA

All Assembly Meeting registrants invited to attend

0900 - 1300 SESSION F2

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 14 on Automatic Identification Systems (AIS) for AtoNs and Shore Stations

Chair: Alan Stewart, United Kingdom

All Assembly Meeting registrants invited to attend



Exhibitors Registered Prior To Program Printing

**For Additional
Exhibitors See**

<http://www.rtcn.org>

**Exhibits Open
May 17-19, 2004**

National Geospatial-Intelligence Agency (Suite 2221)

Maritime Safety Information Division
4600 Sangamore Road, Mail Stop: D-143
Bethesda, Maryland 20816-5003 USA

www.nga.mil

Contact: **Peter Doherty**

Tel: +1-301-227-7646

Fax: + 1-301-227-3731

E-Mail: DohertyP@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.

C-MAP

(Suite 2235)

133 Falmouth Rd.
Mashpee, MA 02649, USA

www.c-map.com



Contact: Eric James

Tel: +1-508-477-7537

Fax: + 1-508-477-7549

E-Mail: ejames@c-map.com

Distributor of electronic chart data on CD-ROM and other mediums; acts as link between hydrographic offices and end-users of digital nautical charts.

2004 RTCM Assembly Meeting Exhibitors

Japan Radio Company, Ltd.

(Suite 2249)

1011 SW Klickitat Way B-100
Seattle, WA 98134, USA

www.jrcamerica.com

Contact: Toshinori Amemiya

Tel: +1-206-654-5644

Fax: + 1-206-654-7030

E-Mail: sales@jrcamerica.com

JRC manufactures quality marine electronics: ECDIS, AIS, VOR, Radar, Communications Equipment (INMARSAT B, C, and F77), SSB, VHF/UHF, Fishfinders, GPS Compass, and DGPS/GPS.

Transas Marine USA, Inc.

(Suite 2234)

19105 36th Ave. W., Suite 201
Lynwood, WA 98036, USA

www.transasusa.com

Contact: Neil Bennett

Tel: +1-425-778-4546

Fax: + 1-425-771-4370

E-Mail: sales@transasusa.com

Transas Marine is a leading developer and supplier of a wide range of IT solutions for the marine industry - Navigation, Simulation, VTS, Tracking and Security.

L-3 Communications Klein Associates, Inc. (Suite 2241)

11 Klein Drive
Salem, New Hampshire
03079, USA



www.L-3Klein.com

communications

Klein Associates, Inc.

Contact: Deborah Durgin

Tel: +1-603-890-1304

Fax: + 1-603-890-9796

E-Mail: Deborah.Durgin@L-3Com.com

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. RMG's products are used by commercial shipping companies and worldwide navies.

2004 RTCM Assembly Meeting Exhibitors

McMurdo Pains-Wessex, Inc.

(Suite 2230)

200 Congress Park Drive, Suite 102
Delray Beach, Florida 33445 USA

www.mcmpw.com

Contact: James Chandler

Tel: +1-561-819-2600

Fax: + 1-561-819-2650

E-Mail: sales@mcmpw.com

McMurdo, a world leader in marine electronics will be exhibiting their 406 EPIRB's & PLB's, UAIS, NAVTEX, SART's, VHF radios & DSC coast radio stations.

Stratos

(Suite 2229)

6901 Rockledge Drive,
Suite 900
Bethesda, Maryland
20817 USA



www.stratosglobal.com

Contact: Mike Smith, Director, Government Sales

Tel: +1-301-214-8800

Fax: + 1-301-214-8801

E-Mail: govt.sales@stratosglobal.com

Remote voice/data communications solutions provider, STRATOS offers INMARSAT, Iridium, Globalstar, VSAT and MSAT satellite services. STRATOS is the exclusive STU-III provider for INMARSAT telephones.

Frequentis

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www.frequentis.com

Contact: Mr. Rainer Wolfsberger

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Fax: +43 1 811 50 - 2399

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2004 RTCM Assembly Meeting Exhibitors

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Fax: +1 301-838-7732

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Oerlikon Contraves

(Suite 2246)

225 boul. du Seminaire sud
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Quebec J3B 8E9
Canada

www.oerlikon.ca



Contact: Earle Ingalls

Tel: +1-450-542-5992

Fax: +1-450-358-7708

E-Mail: eingalls@oerlikon.ca

GMDSS DSC Equipment
AIS Equipment

2004 RTCM Assembly Meeting Exhibitors

Northrop Grumman Mission Systems (Suite 2216)

MailStop C2S1
7555 Colshire Drive
McLean, VA 22102

www.northropgrumman.com

Contact: Tom Fagre
Tel: +1-703-556-3652 Fax: +1-703-556-3631
E-Mail: t.fagre@ngc.com

Northrop Grumman Mission Systems (NGMS) and International Communications and Navigation (ICAN) Limited present maritime homeland security solutions providing the next generation Maritime Domain Awareness (MDA).

Terma A/S (Suite 2211)

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Washington, DC 20008
USA

www.terma.com

Contact: Nils Greir
Tel: +1-202-297-5388 Fax: +1-202-328-1470
E-Mail: nig@terma.com

Birger Nielsen
Tel: +45 8743 6328 Fax: +45 8743 6001
E-Mail: bin@terma.com

As a market leader, Terma has a long history of providing radar systems for surveillance applications, including both antennas and transceivers.

Furuno USA, Inc. (Suite 2222)

440 NW Pacific Rim Blvd.
Camas, WA 98607
USA

www.furuno.com

Contact: Dean Kurutz
Tel: +1-360-834-9300 Fax: +1-360-834-9400

Furuno offers the widest range of marine navigation and communications products, including AIS, SSAS, ARPA/Radar, ECDIS, IBS, GMDSS, GPS, Satcoms, sonars, and Doppler Logs.

WHAT TO SEE IN THE ST. PETE BEACH AREA

The TradeWinds complex is located directly on the Gulf of Mexico and offers a full range of recreational activities with tennis, racquetball, miniature golf, a fitness center, and sailing, swimming and beachfront activities on site. Golf, deep sea fishing and all the attractions of the Tampa - St. Petersburg area are nearby. The average daytime temperature in May is 79° F (26° C) by day and 63° F (17° 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 scuba diving, making dinner reservations, arranging theater and attractions tickets, scheduling golf tee times and more. There is an Avis car rental facility on site. Possible tours range from short half day trips in the immediate area to full day and multiple day trips to nearby regions of Florida. Possible tours include:

- Busch Gardens
- Sea World
- Universal Studios
- Disney - MGM Studios
- Epcot Center
- Walt Disney World's Magic Kingdom
- Cypress Gardens
- Kennedy Space Center
- The Everglades
- Tampa Bay Devil Rays Baseball

GENERAL MEETING AND HOTEL INFORMATION

All meeting session activities will be at the TradeWinds Island Grand, 5500 Gulf Boulevard, St. Pete Beach, FL 33706, USA.

For information and reservations –
in the U.S. and Canada, call: +1-800-808-9833 (toll-free), and
from other locations, call +1-727-562-1212.

Location: The TradeWinds Island Grand is located between the TradeWinds Sandpiper Hotel & Suites and the TradeWinds Sirata Beach along an 18-acre strand of sugar white beach directly on the Gulf of Mexico. Guests of have access to a total of 35 acres of beautiful beaches at the TradeWinds complex.

Facilities: The TradeWinds Island Grand has 585 deluxe guest rooms, including 378 hotel and parlor rooms, 200 suites and 7 penthouse and hospitality suites. The TradeWinds Action Zone (also known as T.A.Z.) provides scheduled daily activities from A to Z - including aerobics, swimming lessons, tennis clinics, and a variety of programs for children through the KONK Club (Kids Only, No Kidding!) activities center at Island Grand. Many programs are complimentary. Programming varies seasonally, and includes activities for the entire family.

Airport: Both Tampa International Airport and St. Petersburg/ Clearwater Airport are about 30 minutes away from the TradeWinds, via Interstate 275 and the the St. Pete Beach/Pinellas Bayway. Orlando International Airport is about 90 minutes away.

RTCM Meeting Hotel Rates: \$163 single or double plus \$8.00 per day for the Explorer Value Pass (required), applicable for nights of May 14 through May 23, 2004. The Explorer Value Pass eliminates many incidental *a la carte* charges such as parking, local phone calls, use of the fitness center, and business center services. Suites and penthouses are also available on a space available basis. Guest rooms are subject to applicable taxes, currently 11%, subject to change. A limited number of government rate rooms are also available - check with the hotel for rates and conditions. The RTCM room rate applies to reservations made until the RTCM room block is filled or until April 14, 2004, whichever is earlier. Reservations will be confirmed with receipt of one night's deposit in the amount of the room rate plus 11% tax. Early departures or cancellation of reservations within 48 hours of arrival may be subject to billing of one night. Credit cards accepted include American Express, Visa, and Mastercard. (Diner's Club can be used for payment, but not for a reservation deposit.)

Future RTCM Annual Assembly Meetings

May 15 – 21, 2005

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

May 7 – 13, 2006

Hyatt Regency Newport Beach
1107 Jamboree Road
Newport Beach, CA 92660, USA

