



Meeting Program

**2002 Annual Assembly Meeting
of the
Radio Technical Commission
for Maritime Services**

**May 12-18, 2002
San Diego, California, USA**

*Radio Technical Commission for Maritime Services
1800 Diagonal Road, Suite 600
Alexandria, Virginia 22314, USA*

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

2002 RTCM ANNUAL ASSEMBLY MEETING PROGRAM

Sunday, May 12, 2002

1730 - 1930 **Registration Desk Open**

1830 - 2030 **Welcome Reception For Registrants And Spouses**

Monday, May 13, 2002

0830 - 1630 **Registration Desk Open**

0900 - 0930 **Annual Business Meeting**

All Assembly Meeting Registrants Are Invited to Attend

0930 - 1000 **Coffee Break**

1000-1130 SESSION I

Moderator: George Dillon
Federal Communications Commission, USA

- **The Work Program of the Subcommittee On Communications And Search And Rescue of the International Maritime Organization (IMO)**
Joseph D. Hersey, Jr, U.S. Coast Guard, USA
- **Implementing The 2000 Amendments of SOLAS Chapter V Affecting Safety Of Navigation**
Lieutenant Alan Blume, USCG, United States Coast Guard, USA
- **An Update On International Telecommunication Union (ITU) Activity which Impacts Maritime Radiocommunications and Radionavigation**
Richard L. Swanson, U. S. Federal Communications Commission, USA
- **Maritime Related Regulatory Activities of the Federal Communications Commission**
Ghassan Khalek, U. S. Federal Communications Commission, USA

1130 - 1300 **Lunch**

Check Exhibitor Bulletin Board For Open Exhibits

1300 – 1430 **SESSION II**

Moderator: Joseph D. Hersey Jr
Technical Advisor, U.S. National Committee Technical
Advisory Group For The International Electrotechnical
Commission Technical Committee 80, Maritime Navigation
And Radiocommunication Equipment And Systems, USA

- **NMEA 2000 APPLIED**
Larry C. Anderson, NMEA Standards Committee and
Lee A. Luft, United States Coast Guard, USA
- **Meeting Of The U.S. National Committee
Technical Advisory Group For The IEC Technical
Committee 80 (TC80) Including Summary Reports
Of IEC Working Group Activities**

1430 – 1500 **Coffee Break**

1500 – 1630 **Session III**

Moderator: Robert L. Markle
United States Coast Guard, USA

**Panel Discussion - U.S. - European Union Mutual
Recognition Agreements (MRA)**

A panel of U.S. and European experts will discuss two Mutual Recognition Agreements (MRA) between the U.S. and the European Union. A new MRA on Marine Equipment is scheduled to enter into force on July 1, 2002, which will enable concurrent U.S. and European Union certification for certain equipment required on ships under the Safety of Life at Sea (SOLAS) Convention. Another MRA includes a broad range of Telecommunication Equipment. The panel will discuss these two MRAs, how they relate to each other, how they relate to certification processes under the United States Coast Guard, the Federal Communications Commission, and the European Directives on Marine Equipment, and on Radio and Telephone Terminal Equipment (R&TTE). The panel will consider what the MRAs mean for manufacturers and operators.

- The European Directives on Marine Equipment and Radio and Telephone Terminal Equipment (R&TTE).
- The United States certification process for SOLAS radiocommunications equipment under the Federal Communications Commission, and for shipborne navigational equipment and systems under the U.S. Coast Guard under Navigation and Vessel Inspection Circular (NVIC) 8-01.
- Coordinated certification processes for the U.S. and Europe under the new MRA on Marine Equipment and also under the original MRA's Sectoral Annex for Telecommunication Equipment.
- Prospects for mutual recognition of all radiocommunications and radionavigation equipment required under SOLAS.
- Questions And Discussion

1630 – 1930 **Exhibit Suites Open**

Tuesday, May 14, 2002

0830 - 1630 **Registration Desk Open**

0830 - 1630 **Note: During this time period some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.**

0800 - 1700 **SESSION IV**

Meeting Of NMEA 2000 Working Group On Digital Interfaces

Chairman: Larry C. Anderson, USA

(Note: Meeting Continues On Wednesday)

All Assembly Meeting Registrants Are Invited To Attend

0900 – 1030 **SESSION V**

Moderator: Michael Sollosi
United States Coast Guard, USA

! **The Marine Transportation System**
Jeffrey High, United States Coast Guard, USA

! **Homeland Security**
Captain Robert Ross, USCG, United States Coast Guard, USA

! **Deepwater Project**
Captain David Glenn, USCG, United States Coast Guard, USA

! **Coast Guard C4ISR Issues**
Captain Bob Nutting, USCG, United States Coast Guard, USA

1030 – 1100 **Coffee Break**

1100– 1230 **SESSION VI**

Moderator: David Pietraszewski
United States Coast Guard, USA

! **AIS Class B – What Is It?**
Roy Lee, Chairman, IEC Class B Working Group

! **AIS-System “River Information Services” With FREQUENTIS Technology**
Michael Stangl ~~le~~ and Stefan Gottwald, FREQUENTIS Nachrichtentechnik Ges.m.b.H, Austria

! The German Trials On AIS Conformity – Their Result And Their Contribution To the International Standardization of the AIS

Jan-Hendrick Oltmann, Transport Technology And Telematics Division, Federal Waterways And Shipping Administration, North/Northwest (*), Ralf-Dieter Preuss, Federal Maritime And Hydrographic Agency, and Stefan Bober, Traffic Technologies Center (*). (*) Federal Waterways and Shipping Administration, Germany

PART A: The Project: Overview; Its Place In The Standardization Of The AIS; The Different Phases

Presenter: Jan-Hendrick Oltmann

PART B: The Results: The Methods Employed; Concrete Findings; The Way Ahead To Rapid Type Approval

Presenter: Ralf-Dieter Preuss

1230 - 1400 **Lunch**

Check Exhibitor Bulletin Board For Open Exhibits

1400 -1500 **SESSION VII**

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

! **Value Added Services, Critical Path To Customer Satisfaction**

Arthur H. Thomas, Sr., Seacoast Electronics, Inc., USA

! **Integrated Terrestrial And Satellite Radio Communications— The Best Of Two Worlds**

Craig McCartney, Globe Wireless, Ltd., USA

! **MARITEL PAPER LISTING PENDING Marine Telephony In The 21st Century**

~~Dan Smith, MarITEL, USA~~ ALLOW SPACE FOR SECOND TITLE LINE

~~ALLOW SPACE FOR SINGLE AUTHOR LINE~~

1500 - 1530 **Coffee Break**

1530 -1630 **SESSION VIII**

Moderator: Captain John C. Fuechsel, USCG (Ret)
Maritime Communications Services, Ltd., USA

! **Recreational Boating, Leading The Way In Marine Electronics**

Charles B. Husick, Boat Owners Association Of The United States (Boat U.S.), USA

! **DSC Performance – A Practical Comparison Of Equipment Classes**

~~ALLOW SPACE FOR DUAL AUTHOR LINE—~~

~~ALLOW SPACE FOR DUAL AUTHOR LINE~~ Jim Elder,
SEA Inc., USA

! **The New RTCM Special Committee 119 Standard -- A Solution For Improved Performance Of Installed And Of Handheld Maritime VHF Radiotelephone Equipment Used In High Level Electromagnetic Environments**

Robert C. Bradley, Federal Communications Commission,

USA

1630 – 1930 **Exhibit Suites Open**

Wednesday, May 15, 2002

0830 - 1230 **Registration Desk Open**

0830 - 1630 **Note: During this time period some sessions will meet simultaneously. See times listed below for individual activities; check bulletin boards for specific meeting locations.**

0800 - 1700 **SESSION IX**

Meeting Of NMEA 2000 Working Group On Digital Interfaces

Chairman: Larry C. Anderson, USA

(Note: Meeting Continuing From Tuesday)

All Assembly Meeting Registrants Are Invited To Attend

0900 - 1700 **SESSION X**

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 8A on Automatic Identification Systems (AIS) Class B

Chairman: Roy Lee, United Kingdom

(Note: Meeting continues on Thursday and Friday)

All Assembly Meeting Registrants Are Invited To Attend

0900 – 1030 **SESSION XI**

Moderator: Captain Curtis Dubay, USCG
United States Coast Guard, USA

! **Status of Loran-C Evaluations**

Mitchell J. Narins, Federal Aviation Administration, USA

! **Status Of Loran Infrastructure Modernization**

Commander G.K. Weeks, Jr., USCG, United States Coast Guard, USA

! **Modern Loran Receivers: Current Performance And Future Enhancements**

Dr. Linn Roth, Locus, Inc., USA

! **GAUSS Standardization Group Update**

Robert W. Lilley, PhD, Illgen Simulation Technologies, Inc., USA

1030 – 1100 **Coffee Break**

1100 – 1200 **SESSION XII**

Moderator: **Captain Curtis Dubay, USCG**
United States Coast Guard, USA

Panel Discussion: A panel of radionavigation experts, including those making presentations in Session X, will discuss with attendees the development, performance and status of the “new” Loran system and its relationship with GPS.

1200 – 1330 **Lunch**

Check Exhibitor Bulletin Board For Open Exhibits

1330 - 1500 **SESSION XIII**

Moderator: Rear Admiral Christian Andreasen, NOAA
(Ret)

National Imagery And Mapping Agency, USA

- **NIMA Sails Forward With On-Line Digital Navigational Safety Data**
Adam Veracka and Randall G. White, National Imagery and Mapping Agency, USA
- **The Challenge of Updating Electronic Charts in Real Time**
Fosco Bianchetti. C-Map, Italy
- **Waterway of Thinking**
Kevin Wilson, Caris, D'Arcy McKenny, Canadian Coast Guard, and Captain Jean-Luc Bedard, Port of Montreal, Canada
- **River Navigation Safety and the U.S. Army Corps of Engineers Program For Inland ENC Production**
Anthony E. Niles, U.S. Army, USA

1500 - 1530 **Coffee Break**

1530 - 1630 **SESSION XIV**

Moderator: Captain Joseph F. Ryan, USMM
The Skip'r, USA

- **The USCG Electronic Chart Guidance Team**
Captain Tom Rice, USCG, United States Coast Guard, USA
- **The ISO ECS Data Base Standard**
Mortimer Rogoff, Navigational Electronic Chart Systems Association, USA
- **ECDIS And ECS: How Far We Have Come And Where We Are Headed**
Lee Alexander, PhD, University of New Hampshire, and Frederick K. Ganjon, IIC Technologies. Inc., USA

1630 - 1930 **Exhibit Suites Open**

Thursday, May 16, 2002

0830 - 1230 **Registration Desk Open**

0900 - 1700 **Note: During this time period some sessions will meet simultaneously. See times as 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.

- 0900 - 1700 **SESSION XV**
Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 8A on Automatic Identification Systems (AIS) Class B
Chairman: Roy Lee, United Kingdom
(Note: Meeting continuing from Wednesday)
(Note: Meeting continues on Friday)
All Assembly Meeting Registrants Are Invited To Attend
- 0900 - 1700 **SESSION XVI**
Meeting Of RTCM Special Committee 104 on Global Navigation Satellite Systems (GNSS)
Chairman: Rudy Kalafus, USA
(Note: Meeting continues on Friday)
All Assembly Meeting Registrants Are Invited To Attend
- 0900 - 1700 **SESSION XVII**
Meeting Of RTCM Special Committee 109 on Electronic Charts
Chairman: Frederick C. Ganjon, USA
All Assembly Meeting Registrants Are Invited To Attend
- 0900 - 1700 **SESSION XVIII**
Meeting Of RTCM Special Committee 119 on Maritime Survivor Locating Devices (MSLD)
Chairman: Robert C. Markle, USA
All Assembly Meeting Registrants Are Invited To Attend
- 0900 – 1230 **SESSION XIX**
Meeting Of The U.S. GMDSS Implementation Task Force
Chairman: Captain John C. Fuechsel, USCG (Ret), USA
All Assembly Meeting Registrants are Invited To Attend
- 1330 - 1530 **SESSION XX**
Meeting of RTCM Special Committee 101 on Digital Selective Calling (DSC)
Primary Agenda: Briefing and roundtable workshop on substantive changes under consideration for DSC technical and operational requirements contained in current provisions of various IMO, ITU and IEC documents. Ongoing change proposals in process and others under consideration will impact all users and manufacturers of DSC equipment.
Chairman, Joseph D. Hersey, Jr, USA
All Assembly Meeting Registrants Are Invited To Attend

01600 – 1700 **SESSION XXI**

Meeting Of RTCM Special Committee 117 on Standards For Maritime VHF Radiotelephone Equipment Operating In High Level Electromagnetic Environments

Primary Agenda: Approval of DRAFT Standard for VHF Handheld Radios

Chairman: Robert C. Bradley, USA

All Assembly Meeting Registrants are Invited To Attend

Friday May 17, 2002

0980 - 1200 **Registration Desk Open**

0900 - 1630 **Note: During this time period some sessions will meet simultaneously. See times as 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.

0900 - 1730 **SESSION XXII
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. Specific issues to be addressed include the phase-out of 121.5/243 MHz satellite alerting, a new class of 406 MHz beacons, and NOAA's new online beacon registration system. Workshop attendees should submit advance registration and other recommended session topics to the NOAA/NESDIS, SARSAT Program Office, Code E/SP3, Room 3320, 5200 Auth Road, Suitland, Maryland 20746-4303, USA; Telephone +1-301-457-5678 (+1-888-212-SAVE); Telefax +1-301-568-8649.

0900 - 1700 **SESSION XXIII**

Meeting Of The International Electrotechnical Commission (IEC) Technical Committee 80, Working Group 8A on Automatic Identification Systems (AIS) Class B

Chairman: Roy Lee, United Kingdom

(Note: Meeting continuing from Thursday)

All Assembly Meeting Registrants Are Invited To Attend

WHAT TO SEE IN THE SAN DIEGO AREA

The hotel concierge will assist you in booking tours which include such attractions as The Embarcadero (or "Landing") with Navy ships, tuna seiners, pleasure boats and world-class cruise ships side by side; Old Town where San Diego was first founded in the late 1700's; Balboa Park with the famous San Diego Zoo and the largest planetarium in the U.S.A. Additionally, Tijuana, Mexico (an easy one day visit by tour bus) draws millions of visitors each year to its Jai Alai Fronton, Aqua Caliente, Centro Cultural and shopping areas.

GENERAL MEETING AND HOTEL INFORMATION

All meeting session activities will be at the Paradise Point Hotel, 1404 West Vacation Road, San Diego, California 92109-7994, USA. Telephone for information and reservations: +1-858-274-4630; Telephone toll free in the USA for reservations: 1-800-344-2626; Facsimile for reservations and guests: +1-858-581-5929.

Location: The Paradise Point Hotel is located on a 44 acre island in the heart of Mission Bay. Connected to the mainland by the Ingraham Street Bridge, Downtown San Diego is 8 miles or about 12 minutes away by car. (The site of many past RTCM meetings, the Paradise Point was formerly known as the San Diego Princess, and may be found under that name in older guidebooks.)

Facilities: The Paradise Point complex consists of some 450 single story buildings, each accommodating 2 or more rooms or suites. The property has 5 outdoor swimming pools (2 of which are heated), several dining facilities, tennis courts, more than a mile of running trails, over a mile of white sand beaches on Mission Bay and a marina with rental boats.

Airport: The Princess Hotel is 7 miles from San Diego International Airport.

RTCM Meeting Hotel Rates: \$169 single or double plus, 10.5% tax, subject to change, is applicable for nights of May 11 through May 17, 2002.. A limited number of government rate rooms are available. RTCM room rate applies to reservations made until the RTCM room block is filled or until April 12, 2002, whichever is earlier. Reservation will be confirmed with receipt of one night's deposit in the amount of the room rate. 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, Diner's Club, Visa and Mastercard.