

RTCM 2003



Conference Program

**2003 Annual Assembly Meeting
and Conference of the
Radio Technical Commission
for Maritime Services**

**May 18-24, 2003
St. Pete Beach, Florida, USA**

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

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2003 RTCM ANNUAL ASSEMBLY MEETING PROGRAM

1000 – 1130 SESSION 1B – TECHNICAL SESSION

Regulatory Activities

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)**
Capt Rick Hartman, U.S. Coast Guard, USA
- **The Work Program of the Subcommittee On Navigation of the International Maritime Organization (IMO)**
Mr. Mike Sollosi, U.S. 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

1300 – 1430 SESSION 1C – TECHNICAL SESSION

International Electrotechnical Commission Technical Committee 80, Maritime Navigation And Radiocommunication Equipment And Systems (IEC TC80)

Moderator: Paul Arnstein
Alternate 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 TC80**

1500 – 1630 Session 1D – TECHNICAL SESSION

Electronic Charts

**Moderator: Frederick K. Ganjon
IIC Technologies. Inc., USA**

- **NIMA's transition from a paper environment into an all digital environment including digital updates
Steve Debrecht, National Imagery and Mapping Agency (NIMA), USA**
- **Hydrography and the U.S. Coast Guard
LCDR Dan Makes, U.S. Coast Guard Navigation Center, USA**
- **Production and Distribution of NOAA's Electronic Navigation Charts
Roger Johnson, Office of Coast Survey, National Oceanographic and Atmospheric Administration, USA**
- **ISO's New ECS Database Standard
Mortimer Rogoff, President, Navigational Electronic Chart Systems Association, USA**

0900 – 1030 SESSION 2B – TECHNICAL SESSION

Automatic Identification Systems (AIS)

**Moderator: David Pietraszewski
U.S. Coast Guard Research & Development Center, USA**

- **Automatic Identification System (AIS) Class B
Mark Johnson, Pinpoint Technology, Inc. , USA**
- **Automatic Identification System (AIS) Displays
Fred Pot, Marine Management Consulting, USA**
- **The U.S. Maritime Transportation Security Act and its Implications
Jorge Arroyo, U.S. Coast Guard, USA**
- **AIS: The Cornerstone of National Security?
Captain Jay A. Creech, U.S. Coast Guard (ret.), USA
Captain Joseph F. Ryan, USMM, The Skip'r, USA**

1100 – 1200 SESSION 2C – TECHNICAL SESSION

Maritime Traffic Information and Surveillance Systems

**Moderator: Ross Norsworthy
L-3 Communications, USA**

- **Expanding the Role of a VTS to include Port & Maritime Surveillance**
Tim Kinsella, Lockheed Martin, USA
Ken Prime, Lockheed Martin, USA
- **Waterway Information Network**
Jay Spalding, U.S. Coast Guard Research and Development Center, USA
- **INNAV - a VTIS in Canada**
Pieter Leenhouts, Canadian Coast Guard, Canada

1330 – 1500 SESSION 2D – TECHNICAL SESSION

Standards for Communication and Navigation Systems

**Moderator: CAPT Robert Nutting
U.S. Coast Guard Command & Control Engineering Center, USA**

- **The work of the European Telecommunications Standards Institute (ETSI) on standards for Maritime Communications and Radionavigation Equipment**
Rob Andrews, UK Maritime and Coastguard Agency, Chairman ETSI ERM Task Group 26, United Kingdom
- **Integrated Navigation – International Standardisation and State-of-the-Art System Design**
Hubertus F. Wentzel, STN ATLAS Marine Electronics, Germany
ALLOW SPACE FOR SINGLE AUTHOR LINE
- **Navigational Displays – Work of IEC TC80, Working Group 13**
Kim Fisher, UK Maritime and Coastguard Agency, United Kingdom
- **The Integration of Current Technologies Applied to Incident Response Management**
David S. Nieri, Transas Marine USA, USA

1530 -1630 SESSION 2E – TECHNICAL SESSION

Navigation Products and Standards for Small Craft

Moderator: Chuck Husik

Boat Owners Association of the United States, USA

- **The Maritime Information Assistant – More Safety for Pleasure Boaters**
Rainer Wolfsberger, Frequentis, Austria
- **Changing International Radar Standards**
Kim Fisher, UK Maritime and Coastguard Agency, United Kingdom

0900 - 1030 SESSION 3B – TECHNICAL SESSION

New Communication and Distress Systems

Moderator: Captain John C. Fuechsel, USCG (ret.)

U.S. Global Maritime Distress and Safety System (GMDSS) Implementation Task Force

- **Inmarsat F55/F33, mini-C, Ship Security services**
Chris Wortham, Inmarsat, United Kingdom
- **Inmarsat-E+, system and implementation**
Dr. Anselm Fabig, navtec, Germany
- **Distress Alerting Satellite System (DASS/GPRS)**
LCDR Paul Steward, U.S. Coast Guard, USA
- **U.S. Coast Guard Rescue 21 – Saving Lives in the 21st Century**
CDR Ed Thiedeman, U.S. Coast Guard, Acting Project Manager, USA
Mr. Jeff Osman, General Dynamics Decision Systems, Program Manager, USA

1100 – 1200 SESSION 3D – TECHNICAL SESSION

Weather Forecasting and Information Services

Moderator: Harry Strong

Mitretek, USA

- **National Weather Service Vision for Digital Products and Services**
Jamie Vavra, National Weather Service, USA
- **National Weather Service Maritime Support Update**
Tim Rulon, National Weather Service, USA
- **Value-Added Weather Data Services**
Mick Gosdin, Baron's Weather Service, USA

1330 - 1500 SESSION 3E – TECHNICAL SESSION

Global Navigation Systems

**Moderator: Carl Andren
Institute of Navigation, USA**

- **Vulnerability Assessment of the Transportation Infrastructure Relying on the Global Positioning System**
LCDR John Merrill, U.S. Coast Guard, USA
- **Enhanced Loran in the Maritime World**
G. K. Weeks Jr., CDR, United States Coast Guard Loran Support Unit, USA
K. M. Carroll, LT, United States Coast Guard Loran Support Unit, USA
- **GPS Constellation Status and GPS Modernization**
Raymond Swider, Department of Defense, USA
- **Galileo : The European Programme for Global Navigation Services**
John Swann, GALILEO Interim Support Structure (European Commission / European Space Agency)

1530 - 1630 SESSION 3H – TECHNICAL SESSION

Differential Global Navigation Satellite Systems

**Moderator: James Radice
U.S. Coast Guard Navigation Center, USA**

- **New Standard for Differential GNSS Broadcasts**
Rudolph M. Kalafus, Trimble, USA
Keith Van Dierendonck, Novatel, USA
Dixon Hoyle, Minnesota Department of Transportation, USA
- **Nationwide DGPS Project**
James Arnold, Federal Highway Administration, USA
- **High Accuracy DGPS Project**
James Arnold, Federal Highway Administration, USA