



*2015 Annual
Assembly Meeting*

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SUNDAY		
17.00 – 19.30	Registration Desk	<i>Hotel Lobby</i>
18.30 – 20.30	Welcome Reception	<i>Mainsail/Spinnaker</i>
MONDAY		
08:00 – 09:00	<i>Continental Breakfast</i>	<i>Annapolis Atrium</i>
08.30 – 15.30	Registration Desk	<i>Annapolis Atrium</i>
09.00	Opening Session Annual Assembly (Business Meeting) Chuck Husick Award RTCM Report	<i>Ballroom A-B</i> George Lariviere, RTCM Board Chairman Bob Markle, RTCM President
09.45	<i>Refreshments</i>	<i>Annapolis Atrium</i>
10.15	Allied Organizations' Activities, Regulations and Standards (session moderator: Larry Solomon, Iridium Satellite)	<i>Ballroom A-B</i>
	Space is Not Enough CIRM Report on the Past Year U.S. Federal Communications Commission Maritime Actions Activities of IEC Technical Committee 80, Maritime Navigation and Radio- communication Equipment and Systems	Dana Goward, President, Resilient PNT Foundation, USA Richard Doherty, CTO/Deputy Secretary- General, CIRM, UK Ghassan Khalek, Federal Communications Commission, USA Chris Hoffman, ACR Electronics, USA/UK
12:00	<i>Lunch</i>	<i>Annapolis Atrium</i>
13.30	Maritime Cybersecurity (session moderator: Joe Hersey, JoeCel Engineering, USA)	<i>Ballroom A-B</i>
	MTS Cyber Risk Management Critical Key Infrastructure for the CG and the Maritime Transportation System	Geoff White, U.S. Coast Guard Brett Rouzer, U.S. Coast Guard
14.30	<i>Refreshments</i>	<i>Annapolis Atrium</i>
15.00	Maritime Cybersecurity (session moderator: Joe Hersey, JoeCel Engineering, USA)	<i>Ballroom A-B</i>
	Shipboard Security Issues – An Industry View Design Principles for Authenticated Communication	Dave Blevins, Northrop Grumman Maritime Systems, USA Dr. Dave Levin, University of Maryland, USA
17.00	RTCM Board meeting	<i>Ballroom C</i>

TUESDAY		
08:00 – 09:00	<i>Continental Breakfast</i>	<i>Annapolis Atrium</i>
08.30 – 14.30	Registration Desk	<i>Annapolis Atrium</i>
09.00	Automatic Identification Systems and Tracking (session moderator: Jorge Arroyo, U.S. Coast Guard)	<i>Ballroom A-B</i>
	exactEarth AIS Satellite Services Maritime Data Exchange ORBCOMM Maritime Satellite Services	Peg Browning, exactEarth, Canada Mark Johnson, Shine Micro, USA Andrew Loretta, ORBCOMM, USA

10.15	<i>Refreshments</i>		<i>Annapolis Atrium</i>
10.45	Navigation Regulations and Services (session moderator: Russ Levin)		<i>Ballroom A-B</i>
	Mobile Devices - A Federal & Industry Logistics Standards (FILS) Issue	Jim Taylor, MarineNet, LLC, USA	
	Expanding AIS Carriage and New Operating Requirements	Jorge Arroyo, U.S. Coast Guard	
	Planning for the VHF Data Exchange Service (VDES) in WRC-15	Ross Norsworthy, REC, Inc., USA	
12.00	<i>Lunch</i>		<i>Annapolis Atrium</i>
13.30	Satellite Services (session moderator: Ed Gilbert, Gilbert & Assoc., USA)		<i>Ballroom A-B</i>
	Key Initiatives and Trends in Mobile Satellite Communications	Frank August, Satcom Studios LLC / Mobile Satellite Users Association (MSUA), USA	
	Iridium Maritime Commercial and Safety Services	Brian Pemberton, Iridium, USA	
	Distress Tracking and ICAO's Global Aeronautical Distress and Safety System	Mike Barton, International Civil Aviation Organization (ICAO), Canada	
15.00	<i>Refreshments</i>		<i>Annapolis Atrium</i>
15.30	GMDSS Modernization (session moderator: Capt. Jack Fuechsel, GMDSS Task Force)		<i>Ballroom A-B</i>
	IMO's GMDSS Modernization Project	Bob Markle, RTCM, USA	
	Providing Maritime Safety Information to the Mariner	Chris Janus, U.S. National Geospatial-Intelligence Agency, USA	
WEDNESDAY			
08:00 – 09:00	<i>Continental Breakfast</i>		<i>Annapolis Atrium</i>
08.30 – 13.30	Registration Desk		<i>Annapolis Atrium</i>
09.00	Distress and Navigation Technologies (session moderator: Peter Forey, Sartech, UK)		<i>Ballroom A-B</i>
	USCG Consumption of Cellular NG911	Tim Strickland, U.S. Coast Guard	
	ACR's SARLink	Paul Steward, ACR Electronics, USA	
	Alternatives to Pyrotechnic Distress Signals	Lew Lewandowski, U.S. Coast Guard R&D Center	
10.30	<i>Refreshments</i>		<i>Annapolis Atrium</i>
11.00	NMEA Interface Standards Update Steve Spitzer, NMEA Lee Luft, U.S. Coast Guard R&D Center	<i>Ballroom A-B</i>	RTCM Special Committee 132 <i>Ballroom C</i> Electronic Visual Distress Signals Chairman, Marty Jackson, U.S. Coast Guard
12.00	<i>Lunch</i>		<i>Annapolis Atrium</i>
13.30	RTCM Workshop on Cospas-Sarsat Type Approval (by invitation please)		<i>Ballroom C</i>
13.30	eNavigation Developments Marine Transportation Systems and eNavigation eNavigation and the American Pilots Association		<i>Ballroom A-B</i> CDR John Stone and Dave Lewald, U.S. Coast Guard Bill Cairns, American Pilots Association, USA

	IHO S101 - The new IHO Electronic Navigational Chart Product Specification Unmanned Maritime Systems (UMS)	Julia Powell and Christine Schultz, NOAA National Ocean Service, USA Steve Ward
15.30	<i>Refreshments</i>	<i>Annapolis Atrium</i>

THURSDAY		
08:00 – 09:00	<i>Continental Breakfast</i>	<i>Annapolis Atrium</i>
08.30 – 11.00	Registration Desk	<i>Annapolis Atrium</i>
10.30	<i>Refreshments</i>	<i>Annapolis Atrium</i>
12.00	<i>Lunch</i>	<i>Annapolis Atrium</i>
15.00	<i>Refreshments</i>	<i>Annapolis Atrium</i>
09.00 – 12.30	GMDSS Task Force Sponsored by the U.S. Coast Guard, open to all meeting registrants and the public. The Task Force considers matters of current interest in maritime communications. The meeting may continue in informal session on Thursday afternoon to discuss possible revisions to the U.S. FCC regulations for Stations in the Maritime Services.	<i>Ballroom A</i>
09.00 – 17.30	RTCM Special Committee 110 on Emergency Beacons Open to all meeting registrants - This committee is responsible for RTCM's technical standards for Emergency Position Indicating Radio Beacons (EPIRB) and Personal Locator Beacons (PLB). It is actively involved in the development of Second Generation Beacon standards optimized for operation in the new Cospas-Sarsat MEOSAR system.	<i>Ballroom B</i>
09.00 – 17.30	RTCM Special Committee 131 on Multi-System Shipborne Navigation Receivers Open to all meeting registrants - Working with IALA, this committee developed a performance standard for a Multi-System Shipborne Navigation Receiver which will become an IMO performance standard. It also includes the possibility for use of terrestrial systems such as eLoran. The committee is considering an RTCM standard including test procedures that may become an IEC standard.	<i>Ballroom C</i>
FRIDAY		
08.00 – 09:00	<i>Continental Breakfast</i>	<i>Annapolis Atrium</i>
10.30	<i>Refreshments</i>	<i>Annapolis Atrium</i>
12.00	<i>Lunch</i>	<i>Annapolis Atrium</i>
15.15	<i>Refreshments</i>	<i>Annapolis Atrium</i>
09.00 – 16.30	NOAA Beacon Manufacturers Workshop 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, Next Generation (MEOSAR) Beacons and Beacon Registration among other topics. Open to all meeting registrants and the public, but separate registration is required.	<i>Ballroom</i>
09.00 – 10.30	RTCM Special Committee 112 on Ship Radar Open to all meeting registrants - This committee is responsible for RTCM's technical standards for Non-SOLAS radar.	<i>Point Lookout</i>
11.00 – 17.30	RTCM eNavigation Steering Committee Open to all meeting registrants – The committee will complete Terms of Reference for a new Special Committee on Data Transfer for Mobile Devices. It will also outline RTCM's response to a DOT request for comments on establishment of a national eLoran system.	<i>Point Lookout</i>