

High Frequency Industry Association  
HFIA

# HF Industry Association Meeting

February 4, 2010

San Diego Convention Center

San Diego, California



# Welcome & Introductions

- Welcome
- Current Officers
  - Bruno Haineault – Chairman – February 2008
  - Marcelo De Risio – Secretary – September 2009
- Introductions around the room
  - Pass around attendance sheet
  - First time attendees?
  - New members
- [www.hfindustry.com](http://www.hfindustry.com)
  - Information on charter, past presentations, etc
- Other Announcements
  - Lunch ***Ristorante Acqua Al 2*** – need head count



# What is the HFIA?

- The High Frequency Industry Association (HFIA) [www.hfiaindustry.com](http://www.hfiaindustry.com) provides an industry driven forum for the interactive exchange of technical ideas and information in the area of High Frequency Communications.
- The High Frequency Industry Association (HFIA) facilitates:
  - Introduction of new technical concepts and approaches to the HF community which might solve communication problems.
  - Forum for government to brief industry or standards, interoperability, and program related activities.
  - Forum for industry to disseminate views on standards, current and forthcoming technology, and interoperability concerns.
  - Mechanism to allow industry to directly contribute to the development of standards.
  - Recommendations and positions by industry to government on standards related issues



# HFIA Sub-Committee Activities


- **MIL-STD Technical Advisory Committee**
- Organized Feb. 3, 2010, San Diego
- Chairman: Bob Adkinson, USAF
- Purpose: Revise/Update MS-188-141B and -110B
- Participation by invitation
- **ICM Sub-committee:**
- Chairman: Jim Mahan, SAIC
- Members: Open
- Dormant since February 2008



# Review of Last HFIA Meeting




- The last HFIA Meeting was held on September 14, 2009 in Munich, Germany sponsored by Rohde & Schwarz
- This meeting was well attended with over 50 attendees
- The agenda from that meeting follows:



# HFIA Agenda –Sept 14, 2009

## Morning Session

- **8:00 –Check-In, up-loading presentations, and social time**
- **9:00 –Meeting Start, Introductions, Agenda, Announcements, Bruno Haineault, HFIA Chairman**
- **9:05 –Welcome Presentation from Rohde & Schwarz**
- **9:20 –Status Report on the MIL STD Technical Advisory Committee, Dr. Eric Johnson, NMSU**
- **9:30 –Report on March NATO Meeting, Dr. Eric Johnson, NMSU**
- **9:45 –Waveform Design Choices for Wideband HF, Eric Koski, Harris RF Communications**
- **10:15 -Priority Based Session Management for S4538, Rohde & Schwarz**
- **10:45 –Coffee Break**
- **11:00 -Wideband HF Waveform Development at Rockwell Collins, Rod Blocksome, Rockwell Collins**
- **11:30 -Product Demonstration of M3SR Series 4100, Rohde & Schwarz**



# HFIA Agenda –Sept 14, 2009

## Afternoon Session

- 12:00 –**Lunch**
- 1:00 -**Performance measurements of STANAG 5066 and Applications Running over STANAG 5066**, Steve Kille, Isode
- 1:40 -**Implementing Full Duplex with Data Rate Adaptation in STANAG 5066**, Nigel Arthur, Selex Communications
- 2:00 -**A Wideband HF Channel Simulator**, Eric Koski, Harris RF Communications
- 2:20 -**Standards and Tactical Radio: HF Standards implementation on a Manpack Radio (STANAG's and MIL STD) with Open Discussion** –Yehuda Eder –Elbit Systems
- 3:00 -**Election of Next HFIA Secretary** (Nominations for the next HFIA Secretary will be accepted prior to the meeting and at the meeting) -All
- 3:15 –**Wrap-up, Closing Remarks, and Adjourn**



# Today's HFIA Meeting



# HFIA Agenda – February 4, 2010

## Morning Session

- **9:00 – Welcome, Introductions, Agenda, Announcements**, Bruno Haineault, HFIA Chairman
- **9:05 - Administrative Items**, Bruno Haineault, HFIA Chairman
- **9:15 – Report on Last HFIA Meeting**, Marcelo De Risio, HFIA Secretary
- **9:30 – Report on Last BLOS COMMS AHWG Meeting**, Dr. Eric Johnson, NMSU
- **9:45 – Status Report on the MIL STD Technical Advisory Committee**, Dr. Eric Johnson, NMSU
- **10:00 – High Frequency Test Facility (HFTF)**, Sandra Maldonado, DISA JITC
- **10:15 – Morning Break (10 min)**
- **10:25 - SCOPE Command Program Status** – Dwayne Harris, Rockwell Collins
- **11:00 – 2G ALE Interoperable Global HF Network developments** - Bonnie Crystal, Global ALE High Frequency Network



# HFIA Agenda – February 4, 2010

## Morning Session

- *11:30 - **Introducing HF2000 in the Swedish Armed Forces** - Rickard Berg Project Manager HF2000 & Swedish Navy LF-System*
- *12:00 – **Lunch Break** – Sponsored by Harris – Restaurant (Acqua AL 2 322 Fifth Ave)*

## Afternoon Session

- *13:00 – **Progress in On the Move HF Loop Antenna** - Malcolm Packer, Harris Corporation*
- *13:30 – **Wideband HF Waveform Design for MIL-ST-188-110C** – Dr. E. Johnson, NMSU; W. Furman, Harris Corporation; M. Jorgenson, Rockwell Collins; J. Nieto, Harris Corporation, R. Blocksome, Rockwell Collins*
- *14:00 – **Wideband HF Channel Simulation** - W. Furman, Harris Corporation*



# HFIA Agenda – February 4, 2010

## Afternoon Session

- **14:30 - Diversity Performance Gains Achieved by a WBHF Waveform in Simulated HF Channels** - Randy Nelson and Mark Jorgenson, Rockwell Collins
- **15:00 – Wideband HF Data Over-the-Air Testing** - Rod Blocksome, Rockwell Collins
- **15:30 – Analyzing the Performance of Dynamic Frequency Selection as a HF Frequency Management Technique** - Nigel Arthur, Selex Communications
- **16:00 – Election of HFIA Chairman**
- **16:30 – Wrap-up, Closing Remarks and Adjourn**