

HF Industry Association Meeting

August 20, 2010

ÅF-Consult AB

Solna, Sweden

Welcome & Introductions

- Welcome
- Current Officers
 - Chairman – Vacant – Term: August 2009 - 2011
 - Marcelo De Risio – Secretary – Term: September 2009 - 2011
- Introductions around the room
 - Pass around attendance sheet
 - First time attendees?
 - New members
- www.hfindustry.com
 - Information on charter, past presentations, etc
- Other Announcements
 - Lunch - **On Site** – *need head count*

What is the HFIA?

- The High Frequency Industry Association (HFIA) 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 MIL-STD-188-110B
- 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 February 4, 2010 in San Diego, California in conjunction with AFCEA West
- This meeting was well attended with over 50 attendees



HFIA Agenda – February 4, 2010

Morning Session

- ***Welcome, Introductions, Agenda, Announcements, Bruno Haineault, HFIA Chairman***
- ***Administrative Items, Bruno Haineault, HFIA Chairman***
- ***Report on Last HFIA Meeting, Marcelo De Risio, HFIA Secretary***
- ***Report on Last BLOS COMMS AHWG Meeting, Dr. Eric Johnson, NMSU***
- ***Status Report on the MIL STD Technical Advisory Committee, Dr. Eric Johnson, NMSU***
- ***High Frequency Test Facility (HFTF), Sandra Maldonado, DISA JITC***
- ***SCOPE Command Program Status – Dwayne Harris, Rockwell Collins***
- ***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

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

Today's HFIA Meeting

HFIA Agenda – August 20, 2010

- 9:00 – ***Welcome, Introductions, Agenda, Announcements*** – Marcelo De Risio, HFIA Secretary
- 9:10 – ***Report on Last HFIA Meeting*** - Marcelo De Risio, HFIA Secretary
- 9:15 – ***Status Report on Last NATO Working Group Meeting*** - Dr. Eric Johnson
- 9:30 – ***Status Report on the MIL-STD Technical Advisory Committee*** - Dr. Eric Johnson
- 10:00 – ***Over the air test results for 2G and 3G Link Establishment and Data Modem Communications*** - Dr. Danie van Wyk, Rapid Mobile Pty
- 10:30 – ***Morning Break***

HFIA Agenda – August 20, 2010

- 10:45 - ***NVIS Frequency Selection at Mid-Latitudes*** - Marcus C. Walden, Plextek
- 11:15 – ***On Air Testing of a Wideband HF waveform*** – W. Furman, J. Nieto, Harris Corporation
- 11:45 – ***Results from Over the Air Wideband HF Testing*** – Mark Jorgenson, Rockwell Collins
- 12:15 – ***Lunch*** – *Sponsored by Harris Corporation*
- 13:30 – ***Interoperability test results between Harris RF-5800H, Rohde & Schwarz M3SR and Selex HF2000*** - Håkan Bergzén, Combitech AB
- 14:00 – ***Canadian Naval HF System upgrade*** – Cdr. Kristof Langland, Canadian Navy
- 14:30 – ***Election of HFIA Chairman***
- 15:00 – ***Wrap-up, Closing Remarks and Adjourn***