

HFIA - Winter meeting

January 27, 2011
San Diego, CA

Welcome & Introductions

- Welcome

- Current Officers
 - Chairman – Randy Nelson – Term: August 2009 - 2011
 - Secretary – Marcelo De Risio – Term: September 2009 - 2011

- Information on charter, past presentations, etc

- Other Announcements
 - HFIA Summer 2011 meeting.
 - Place: TBD
 - Date: TBD

What is the HFIA?

- The High Frequency Industry Association (HFIA) 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 on 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



Upgraded Website

www.hfindustry.com

HFIA HIGH FREQUENCY INDUSTRY ASSOCIATION

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**Welcome to HFIA,
High Frequency Industry Association**

The Armed Forces Communications Electronics Association (AFCEA), High Frequency Technical Committee, High Frequency Industry Association (HFIA) provides an industry driven forum for the interexchange of technical ideas and information in High Frequency Communications."

This site was created to provide interested parties information about the activities performed by the High Frequency Industry Association (HFIA) with date information about High Frequency Radio, Modems, and the latest development in the field of Radio communications. The High Frequency Industry Association (HFIA) facilitates:

- Introduction of new technical concepts and approaches to the HF community which may solve communication problems.
- Forum for government to brief industry on interoperability, and program related activities.
- Forum for industry to disseminate views on standards, current and forthcoming technology interoperability concerns.
- Mechanism to allow industry to directly contribute to the development of standards.
- Recommendations and positions by industry and government on standards related issues.

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HFIA Meeting Presentation Materials

HFIA meeting presentations contain a wealth of information gathered over the years. In an effort to make this information more accessible, an [index](#) has been created. The first tab of the index orders the information by Subject Matter, while the second tab orders the information by the Meeting Date.

Once you have chosen the material of interest, scroll the list of meetings, select agenda to review that meeting's agenda or Presentation Materials to review or download the materials presented at that meeting.

- August 20, 2010 HFIA Meeting in Solna, Sweden
[Agenda](#)
- February 4, 2010 HFIA Meeting in San Diego, CA
[Agenda](#) [Presentation Materials](#)
[Event Photos](#)
- September 14, 2009 HFIA Meeting in Munich, Germany
[Agenda](#) [Presentation Materials](#)
ICM - No Meeting Held
- February 12, 2009 HFIA Meeting in San Diego, CA
[Agenda](#) [Presentation Materials](#)
ICM - No Meeting Held

A SPECIAL THANKS TO ALL OUR KEYNOTE SPEAKERS!

CLICK ON THE FOLLOWING LINKS TO VIEW AGENDA, PRESENTATION MATERIALS AND EVENT PHOTOS:

REGARDS,
MARCELO DE RISIO

Nordic HF10 Conference

17-19 AUGUST 2010
[MORE DETAILS.....](#)

HFIA Sub-Committee Activities

- **MIL-STD Technical Advisory Committee**
- Organized Jan. 26, 2011, 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 August 21, 2010 in Sweden following Nordic HF
- 16 participants attended the event



HFIA extends its appreciation to Mr. Jorma Ahonen of ÅF-Consult for hosting the event and Mr. Håkan Bergzén of Combitech for his assistance in facilitating the execution of the meeting in conjunction with the Nordic HF Conference

HFIA Agenda – August, 2010

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

HFIA Agenda – January 27, 2011

- 9:00 – Welcome, Introductions, Agenda, Announcements – Randy Nelson, HFIA Chairman
- 9:10 – Report on Last HFIA Meeting - Marcelo De Risio, HFIA Sec
- 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 – JITC High Frequency Test Facility – Sandra Maldonado, JITC
- 10:30 – Morning Break
- 10:45 – XMPP over HF using STANAG 5066 – Steve Kille, ISODE
- 11:30 – Way Ahead in HF Data Communications, a Networking Story – James Mahan, SAIC
- 12:00 – Working Lunch

HFIA Agenda – January 27, 2011

- 12:15 – Canada HF modernization project – Cdr. Kristoff Langland, Canadian Navy
- 12:45 – RF Power test equipment and signal dependency – Lynn Strube, Bird Technologies
- 13:30 – Simulation requirements for fading multipath channel conditions – W. Furman, Harris Corporation
- 14:00 – WBHF Testing over a Transatlantic Link – Mark Jorgenson, Rockwell Collins
- 14:30 – Preamble performance for various HF standards – J.Nieto W. Furman, Harris Corporation
- 15:00 – Afternoon Break
- 15:15 – Digital Voice Data Rate Performance Improvements: MIL-STD-110C App D – Jim Gregory, Rockwell Collins

HFIA Agenda – January 27, 2011

- 15:45 – Improving the 3GALE standard for tactical land based operations - Håkan Bergzén, Combitech
- 16:15 – Wrap-up, Closing Remarks and Adjourn