

High Frequency Industry Association  
HFIA

# HF Industry Association Meeting

September 14, 2009  
Rohde & Schwarz  
Munich, Germany

# Welcome & Introductions

- Welcome
- Current Officers
  - Bruno Haineault – Chairman – Elected February 2008
  - David Arcoraci – Secretary – Elected July 2007
- 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, Dinner?

# HFIA Sub-Committee Activities

## ■ MIL-STD Technical Advisory Committee

- Organized Jan. 31, 2007, 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

## ■ WRC Sub-committee:

- Chairman: Jim Mahan, SAIC
- Members: Eric Johnson, NMSC; Bill Beamish, Harris Corp.; Robert Adkinson, USAF
- Work completed, WRC held, no further activity



# **Review of Last HFIA Meeting**

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- The last HFIA Meeting was held on February 12, 2009 in San, Diego in conjunction with the AFCEA West show.
  - This meeting was well attended with over 50 attendees
  - The agenda from that meeting follows...

# HFIA Agenda – February 12, 2009

## 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**, David Arcoraci, HFIA Secretary
- 9:20 – **Report on Last BLOS COMMS AHWG Meeting**, Dr. Eric Johnson, NMSU
- 9:30 – **Status Report on the MIL STD Technical Advisory Committee**, Dr. Eric Johnson, NMSU
- 9:45 – **High Frequency Test Facility (HFTF) February 2009**, Sandra Maldonado, DISA JITC
- 10:00 – **HF Data Transport to Remote Sites over Congested and Errored Network Links**, Randy Nelson, Rockwell Collins and Alyssa Levitz, Olin College of Engineering
- 10:45 – **Morning Break** (10 min)
- 10:55 - **HF Power Measurement in Custom Applications**, Kevin King and Bill Tobin, Bird Technologies Group
- 11:20 – **STANAG 5066 Update** – Donald Kallgren, NC3A

# HFIA Agenda – February 12, 2009

## Afternoon Session

- ***Lunch - Ristorante Acqua AI 2 Sponsored by Harris***
- ***1:00 - Running XMPP (eXtensible Messaging and Presence Protocol) over HF Radio, Steve Kille, Isode***
- ***2:10 – Next Generation ALE Concepts, William Furman, Harris RF***
- ***2:30 – Afternoon Break (10 min)***
- ***2:40 – HF On-The-Air Test & Analysis Capability, Rod Blocksome, Rockwell Collins, Inc.***
- ***3:25 – Update on CE-OFDM Waveforms for Use on HF Channels, John Nieto, Harris RF***
- ***3:45 – Software Defined WWV Receiver, Shad Nygren, Datron***
- ***4:30 – Wrap-up, Closing Remarks, and Adjourn***



# **Today's HFIA Meeting**



# 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 Adaption 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**

# HFIA Secretary Elections

- Nominees:

- Marcelo De Risio** – Harris RF Communications
- Additional nominations at time of meeting?



# Next HFIA Meeting

- **Where?**                      **San Diego, California**  
In conjunction with AFCEA WEST  
February 2, 3 and 4, 2010
- **When?**                        **Thursday, February 4, 2010**  
Check HFIA website for confirmation
- **Admin?**                      **Election of a New Chairperson**  
Nominations should be sent to  
Bruno Haineault or to the new HFIA  
Secretary.