



HFIA HIGH FREQUENCY INDUSTRY ASSOCIATION

Winter Meeting
January 31, 2013

San Diego Convention Center
San Diego, California

Welcome & Introductions

- Welcome

- Current Officers
 - Randy Nelson – Chairman – Term: August 2009 - 2012
 - Steve Ruggieri – Secretary – Term: January 2012 – 2014

- Introductions around the room
 - Please pass around attendance sheet

- The charter, website, past presentations, etc

- Today's Agenda

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

HFIA Website

www.hfindustry.com

HFIA

HIGH FREQUENCY INDUSTRY ASSOCIATION

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LinkedIn
HFIA Group

Member Biographies

If you would like to add your bio please generate your bio in a similar format as seen below and email it to the [HFIA Secretary](#).



Randy Nelson - (Chairman)

Principal HF Systems Engineer, Rockwell Collins

Since 1993, his technical role has been HF systems development, data transport systems and networking in particular.

Mr. Nelson holds a Bachelor of Science degree in Electrical Engineering.

rwilson@rockwellcollins.com



Steve Ruggieri - (HFIA Secretary)

HF Product Manager, Harris RF Communications

Mr. Ruggieri is responsible for the Falcon II HF Product Line.

He has been with Harris Corporation since 2003 and has previously held roles in HF Software Engineering and International Sales.

Mr. Ruggieri holds a Bachelor of Science degree in Computer Science and an M.B.A.

PLEASE CHECK BACK PERIODICALLY FOR UPDATED INFORMATION.

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Review of Last HFIA Meeting

- Held on September 6, 2012
at National Railway Museum
in York, UK
- About 40 participants
attended the meeting
- The agenda from that
meeting follows:



A special thanks to Babcock, UK for hosting

HFIA Key Agenda Items – Sept 6, 2012

- *Experimental WB HFIP System SkyNet* – Nur Serinken, Communications Research Center, Canada
- *Spectrum Issues for HF Wideband Communications* – Catherine Lamy-Bergot, Thales Defence & Security C4I Systems
- *UK MOD WBHF Trials 2012 – Radio and Modem Performance* – James Alexander - Rockwell Collins, UK
- *Application and STANAG 5066 performance over WB HF* – Steve Kille - Isode
- *HF Spectrum Congestion & Availability for WBHF Data Transport* – Mark Jorgenson, Rockwell Collins USA
- *Effects of Interleaver Size and FEC Code Constraint OTA for 110C WB HF Waveforms* – John Nieto, William Furman, Harris Corporation
- *Analysis of Chilton Ionosonde Critical Frequency Measurements during Solar Cycle 23 in the Context of Mid-latitude HF NVIS Frequency Predictions (Use of T-Index with VOACAP)* – Dr. Marcus Walden – Plextek Limited

Today's HFIA Meeting

HFIA Agenda – January 31, 2013

- 9:00 – Welcome, Introductions, Agenda, Announcements – Randy Nelson, HFIA Chairman
- 9:10 – Report on Last HFIA Meeting – Steve Ruggieri, 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 – Propagation Prediction Techniques Review, Dan Roesler
- 10:30 – Morning Break
- 10:45 – HF Making a Come Back in Domestic Use in US Across Many Interesting Applications for Public Safety, Critical Infrastructures and More, John Rosica, Barrett
- 11:30 – Integrating HF radios into IP infrastructures, Stefan Bayer, Rohde & Schwarz
- 12:00 – Working Lunch - Hosted by Rockwell Collins

HFIA Agenda – January 31, 2013

- 12:30 – Design Concepts for a Wideband HF ALE Capability, Bill Furman, Harris
- 13:00 – JITC High Frequency Test Facility – Sandra Maldonado, JITC
- 13:30 – HF XL, Catherine Lamy Bergot, Thales Defence & Security C4I Systems
- 14:00 – Afternoon Break
- 14:15 – Wide band Measurements of HF Spectral Occupancy in the Baltic region, Rickard Berg, FMV (Swedish Defence Materiel Admin)
- 14:45 – The Importance of the Local Interference Environment in the Frequency Selection Algorithm in the HF Band, Patrik Eliardsson, FOI (Swedish Defence Materiel Admin)
- 15:15 – Closing Remarks – Election of HFIA Chairman, Group Photo

Closing Remarks & Announcements



Closing Remarks /Announcements

- Next HFIA Summer Meeting
 - Location – TreVapen building, Stockholm
 - Date – Friday August 16th 2013

- HFIA Chairman Election

- Group Photo