

HFIA HIGH FREQUENCY INDUSTRY ASSOCIATION

Summer Meeting
September 6, 2012

National Railway Museum
York, UK

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

Upgraded Website

www.hfindustry.com


HFIA HIGH FREQUENCY INDUSTRY ASSOCIATION

- Home
- Upcoming Events
- Meetings & Presentations
- HF Communiqué
- HF Bookshelf
- Current Officers
- Member Companies
- Member Biographies**
- Associated Organizations
- Technical Efforts
- Certifications

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.

rwnelson@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.

012 Meeting:

LINKED IN HFIA GROUP

Review of Last HFIA Meeting

- The last HFIA Meeting was held on January 26, 2012 in San Diego, California, USA
- Over 40 participants attended the meeting
- The agenda from that meeting follows:

HFIA Key Agenda Items – January 26, 2012

- Status Report on Last NATO Working Group Meeting - Dr. Eric Johnson
- Status Report on the MIL-STD Technical Advisory Committee - Dr. Eric Johnson
- JITC High Frequency Test Facility – Sandra Maldonado, JITC
- Additional Wideband HF Mid-Latitude Over-the-Air Performance Results – Mark Jorgenson, Rockwell Collins
- Waveform Comparison based on Multipath and Doppler Spread Capability. John Nieto & William Furman, Harris Corporation

HFIA Agenda – January 26, 2012

- Are HF BLOS Circuits still a Viable Communications Medium in 2012?
– Mark Allen, Antenna Products Corporation
- Wideband HF IP at Sea. Jeremy Mucha, SPAWAR
- Spectrum Sensing as Tool to Analyze Wideband HF Channel Availability. Bill Furman, John Nieto, Colleen Henry, Eric Koski – Harris
- HF XL: An Alternative 4G Solution. Eric Bader, Thales Defence & Security C4I Systems
- Election of HFIA Secretary – Marcelo De Risio term completed and Steve Ruggeri begins a 2 year term

HFIA

HIGH FREQUENCY INDUSTRY ASSOCIATION

Today's HFIA Meeting

HFIA Agenda – September 6, 2012

- 9:00 – Welcome, Introductions – Randy Nelson, HFIA Chairman
- 9:10 – Report on Last HFIA Meeting, Today’s Agenda
– Steve Ruggieri, HFIA Secretary
- 9:30 – Status Report on Last NATO Working Group Meeting
– Dr. Eric Johnson
- 9:50 – Status Report on the MIL-STD Technical Advisory Committee
– Dr. Eric Johnson
- 10:00 – Spectrum Issues for HF Wideband Communications
– Catherine Lamy-Bergot, Thales Defence & Security C4I Systems
- 10:30 – Morning Break
- 10:45 – UK MOD WBHF Trails 2012 – Radio and Modem Performance
– Jerry Frost - Rockwell Collins, UK
- 11:15 – Application and STANAG 5066 performance over WB HF
– Steve Kille - Isode

HFIA Agenda – September 6, 2012

- 12:00 – Working Lunch
- 12:15 – HF Spectrum Congestion & Availability for WBHF Data Transport
– Mark Jorgenson, Rockwell Collins USA
- 12:45 – Effects of Interleaver Size and FEC Code Constraint OTA for
110C WB HF Waveforms – John Nieto - William Furman, Harris Corp
- 13:15 – Analysis of Chilton Ionosonde Critical Frequency Measurements
during Solar Cycle 23 in the Context of Mid-altitude HF NVIS Frequency
Predictions (Use of T-Index with VOACAP)
– Dr. Marcus Walden – Plextek Limited
- 13:45 – Afternoon Break
- 14:00 – Remarks and Closing (group photo)

HFIA

HIGH FREQUENCY INDUSTRY ASSOCIATION

Closing Remarks & Announcements

Closing Remarks /Announcements

- Next HFIA Winter Meeting
 - Location – San Diego or Florida?
 - Next Slide has three potential Florida locations
 - Date – TBD

- HFIA Chairman - nominations to be accepted at Winter Meeting

Closing Remarks /Announcements

Next HFIA Winter Meeting Location, Florida?

