

Status Report from the NATO BLOS Comms AHWG

1 February 2007

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Meeting of 17–19 Oct 2006

- Cedar Rapids, Iowa
 - Hosted by Rockwell-Collins
- New (permanent) US Rep:
 - Bob Adkinson, HFGCS SPO

Spectrum Reallocation

- Nur Serinken, WP-9C chair briefed WRC'07 AI 1.13: reallocation to broadcasters.
- NATO nations provided evidence of broadcasters abandoning current allocations.
- David Pierce of DSO will further address this later today.

NATO Improved Link 11

- Italy will implement in 2007
- France in 2008
- Remainder of NILE nations by 2010

- HF is the weak link
 - Interested in improved waveforms

STANAG 5066

- Edition 1 amendment 1 out for ratification
- Edition 2 will add LAN features (channel access control protocols)

STANAG 4538

- Third-generation HF technology
- Edition 1 amendment 1 being translated
- Edition 1 amendment 2 in development
 - IP interface will accommodate STANAG 5067
 - Multicast protocol in development
 - IPR issue with HDL+
 - Norway: link with 3G, use 5066 for high-speed data?

STANAG 4444

- Frequency Hopping (EPM)
- Two implementations
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 - Joint French / Italian
 - German
- Incompatible approaches in two areas
 - AES
 - MELPe

Digital HF Broadcasting Study

- Shore-to-ship broadcasting
- DRM can provide up to 12.7 kbps in 5 kHz
 - Hire commercial transmitters by the hour?
- Field trials by Fraunhofer Institute, Germany
 - 17 transmit sites throughout Europe
 - Receivers both land based and on a frigate sailing all around Europe
 - Generally good results, but significant interference
 - Portugal: LINK 11 interferes strongly

Questions?