Status Report from the NATO Radio AHWG Meetings

2-5 March 2009

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Meetings of 2-5 March 2009

- Bergen, Norway

- Parallel meetings of V/UHF and BLOS Comms Ad-Hoc Working Groups
  – V/UHF (AHWG/2): two days
  – BLOS Comms (AHWG/1): one day
  – MARLIN (formerly Subnet Relay)
  – Plenary meeting

BLOS Comms Meeting
3 March 2009

Administrative Matters

- Chairman Eric Campbell (USN) was unable to attend
  - Don Kallgren (NC3A) stepped up to the task
  - (Eric Campbell will no longer serve as chair)
  - (US will nominate a new chairman tomorrow)

- BLOS Comms and V/UHF AHWGs are not merging, but will continue to hold joint meetings

NATO HQ Staff Summary

- BLOS Comms AHWG should develop application guidance in addition to technical standards

- Need to determine which STANAGs to keep
  - STANAG 4444?
  - STANAG 4538
  - STANAG 4539
  - STANAG 5066

STANAG 4444 (EPM)

- Will not be fitted to high-profile A-400M
  - Rockwell has radio contract for A-400M
  - No solution to aircraft coupler tune time problem

- NATO HQ urges dropping this standard due to lack of implementations

- Way forward (proposed)
  - Promulgate current version
  - No further development or maintenance

STANAG 4538 (3G Suite)

- Edition 1 amendment 1 is promulgated

- Edition 2 status
  - TAC formed; members from US, UK, and NO
  - IP interface in development
  - IP Multicast protocol candidate presented (also MILCOM paper in 2008)
  - Higher speed data link in development (IPR-free)

STANAG 4539 (Modems)

- Data Modems (similar to 188-110 Appx C)

- Higher bandwidths are of interest

  - 64 kbps in 12 kHz?

  - SC/6: make HF standards "net ready" implicit tasking to get to at least 64 kbps

  - MILCOM paper this year

STANAG 5066 (Data Protocols)

- Edition 1 amendment 1 has 14th ratification Ready for promulgation (at last!) as "ed 2"

- Edition 3 will add LAN features (channel access control protocols), Internet integration
  - Annex L: Token-passing channel access
  - Annex M: (future dynamic TDMA)
  - Annex N: regional address allocation scheme
  - Annex O: integration with IP networks

Next Meetings

- Finland
  Tomorrow

- Netherlands?
  March 2010

Questions?