

Revision Status of HF Standards

HFIA, July 2006

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US HF MIL STDs

- Comments solicited and received informally since current standards published
 - MIL-STD-188-110B published 27 April 2000
 - MIL-STD-188-141B notice 1 on 31 August 2001
- HFGCS SPO now designated as Preparing Activity
- Formal project initiation expected this year

JTRS HF Waveform Update

JTRS HF Waveform Status

(17 April 2006)

- Cluster 1: cost overruns and schedule slips at prime contractor
- Rockwell HF waveform software
 - Doing good job
 - 90% done
 - Stop Work order issued despite this
 - Use of Ada is a problem for Cluster 5

JTRS HF Waveform: Industry Day

- Program Office issued Request for Information to industry
- 6 April 2006: Industry Day
 - Briefings by Program Office and HF industry
- 17 April 2006: Program Office consolidates industry comments

Industry Recommendations

- (Not US Government policy)
- Partitioned HF waveform requirements into three spiral development phases
- Recommended deleting some requirements

(Industry) Spiral One

- 188-110B – FSK, Serial Tone, App C
- 188-141B – Radio, 2G ALE (AQC), LP (AL0-2)
- Clear voice – analog
- Secure voice – LPC-10 and MELP
- STANAG 5066 w/Annex A/B/C/D (not F?)
- STANAG 4285

(Industry) Spiral Two

- 188-110B – App F (ISB Operation)
- 188-141B – Linking Protection - AL3
- Third Generation ALE
 - 188-141B – App C?
 - STANAG 4538?
- ACES processing
- ARC-220
 - User Messages
 - Position Reports
 - Streaming Data

(Industry) Spiral Three

- ISB (this is required by -110B Appendix F)
- Frequency Hopping
 - 188-110B – Army Enhanced mode
 - 188-141B – App F (3G ALE hopping)
 - 188-148A – AJ
- AKMS Processing
- STANAG 4415
- STANAG 4444
- STANAG 4539

(Industry) Deletions

- MIL-STD-188-141B
 - NBFM
 - AME
 - CW
 - App B: Linking Protection - AL4
 - App D: Networking
 - App E: Application Protocols (defer to 5066)
 - App H: HF MIB

(Industry) Deletions

- 188-110B
 - App A: 16-tone
 - App B: 39-tone
 - App D: Modem interface
 - App E: Data link protocol
- STANAG 4529
- Improved Data Modem Interface
- ANDVT – 16/39 Tone (M-C-28883)

JTRS HF Status Update

(12 July 2006)

- Industry recommendations under review by User Community; anything could change!
- Acquisition strategy to be finalized in August
- HF is needed, and an HF waveform will be procured

Questions?