

# Revision Status of HF Standards

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# MIL-STD-188-110B

- “Interoperability and Performance Standards for Data Modems”
- Current issue is original -110B, dated 27 April 2000
- <http://wireless.nmsu.edu/hf/standards/MIL/>

# MIL-STD-188-110B

- Change Notice 1 is at Draft 1
  - Performance specs for embedded modems
  - Base doc: clarifications, Ethernet ICD, simulator specs
  - Appendix B: corrected performance requirements
  - Appendix C: simulator specs
  - Appendix F: corrected bit 0 definition

# MIL-STD-188-141B

- “Interoperability and Performance Standards for Medium- and High-Frequency Radio Systems”
- Current issue is Change Notice 1, dated 31 August 2001
- <http://wireless.nmsu.edu/hf/standards/MIL/>

# MIL-STD-188-141B

- Change Notice 2 is at Draft 1
  - Base doc, App A, B: minor tweaks, clarifications
  - Appendix C: changes to match STANAG 4538  
Edition 1 Amendment 1
  - Appendix E: changes to track STANAG 5066  
Edition 1 Amendment 1

# MIL-STD-188-141B

- New developments for Appendix C

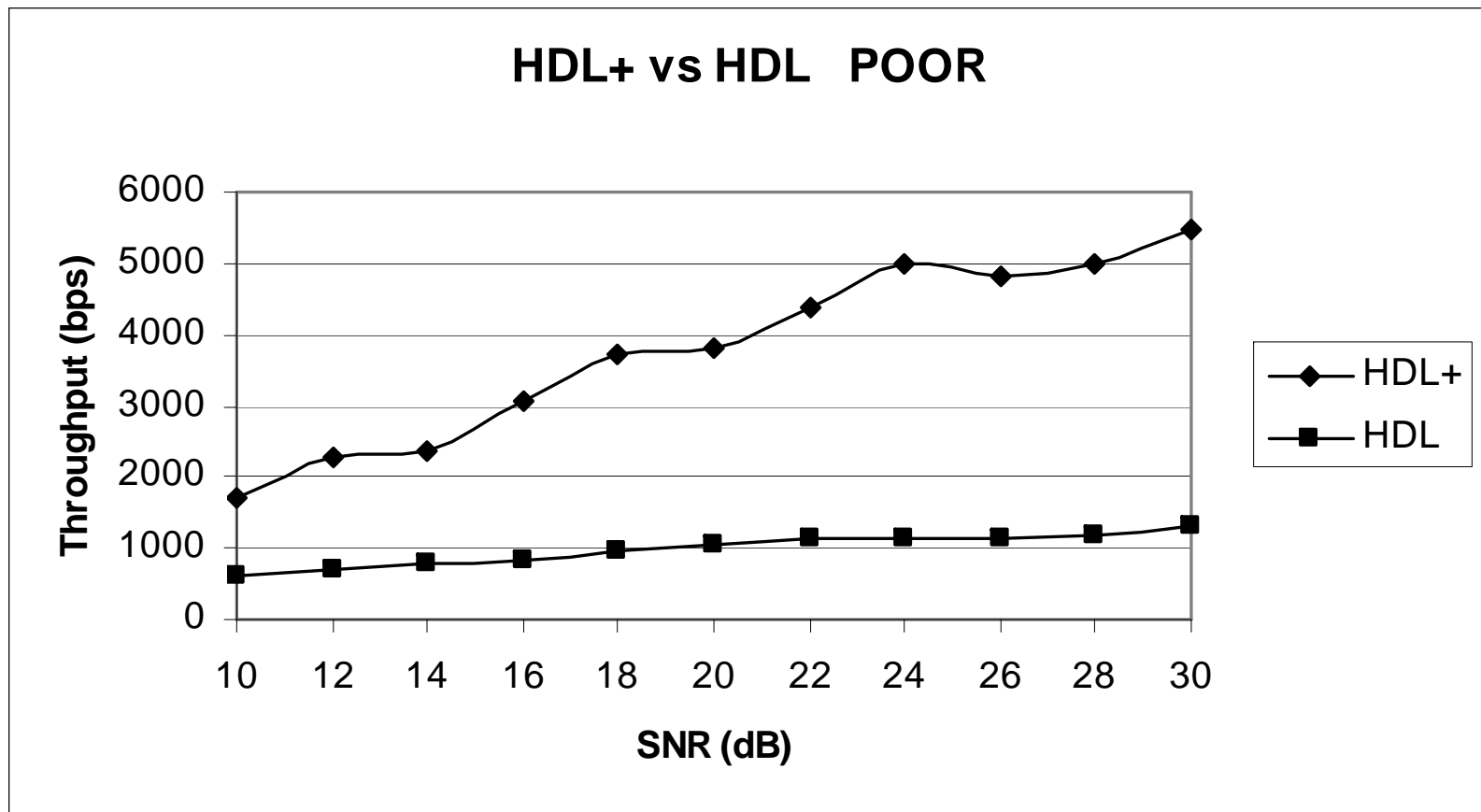
HDL+ ARQ using 12,800 bps waveform  
with code combining (duplex?)

MDL Multicast data link  
(designed for ACP-142 P-MUL)

# STANAG 4538

- “Automatic Radio Control System for HF Communication Links”
- Draft Amendment 2: comments received  
Ratification draft planned for end of 2006
  - HDL+
  - Multicast data link
  - IP interface

# HDL+ Performance



5 kB messages

courtesy Harris Corp



# MDL Performance Estimate

