

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN



CMBRE

Common Munitions Bit/Reprogramming Equipment

CMBRE is a common piece of support equipment used to interface with weapon systems to initiate Built-In-Test (BIT), report BIT results, and upload/download flight software. CMBRE represents the first munitions support equipment developed as a “common” system for multiple munitions platforms.

CMBRE Applications

- Preflight check
- Periodic maintenance checks
- Loading munitions Operational Flight Program (OFP) data
- Loading munitions mission planning data
- Loading munitions Global Positioning System (GPS) data (crypto keys)
- Declassification of munitions memory

Facts At A Glance

Supported Systems

- AARGM
- AIM-9X
- AMRAAM
- BRU-61
- DMLGB
- FLM
- JASSM
- JDAM
- JSOW
- MALD
- PAVEWAY
- DB
- SLAM-ER
- SWCMD
- Others

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CMBRE Environmental Design

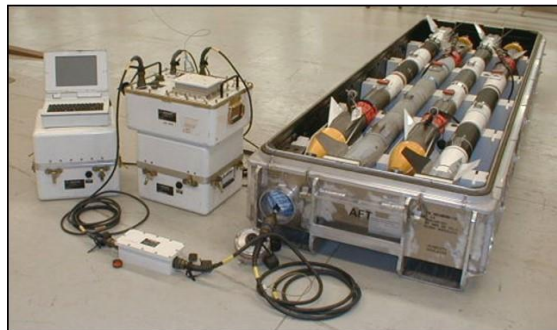
- High/low temperature (per MIL-T-28800E, -20°C to 55°C)
- Humidity (per MIL-T-28800E, 95% RH – operating)
- Solar radiation (per MIL-STD-810)
- Vibration and transit drop and loose cargo (per MIL-T-28800E)
- Shock (per MIL-S-901 Navy High Impact Shock)
- Explosive atmosphere (per MIL -STD-810)
- Sand, dust, and salt atmosphere (per MIL-T-28800E)
- Watertight and splash proof (per MIL-T-28800E)
- Acoustical noise (per MIL-T-28800E)
- Electromagnetic interference (EMI)/electromagnetic compatibility (EMC) (per MIL-STD-461D Navy Surface Ship Above Deck)
- Altitude (per MIL-T-28800E)
- Hazards of electromagnetic radiation to ordnance (HERO) certified

AN/GYQ-79A CMBRE Product Improvements

- Miniature munitions/store interface
- IEEE 802.3 10/100BaseT/Tx Ethernet
- Enhanced bit rate 1553
- Improved data throughput
- New keyboard and pointing device
- Color display
- Two USB ports
- Windows XP® embedded with dual boot capabilities



Single Munitions Testing



Multi-Munitions In-Container Testing