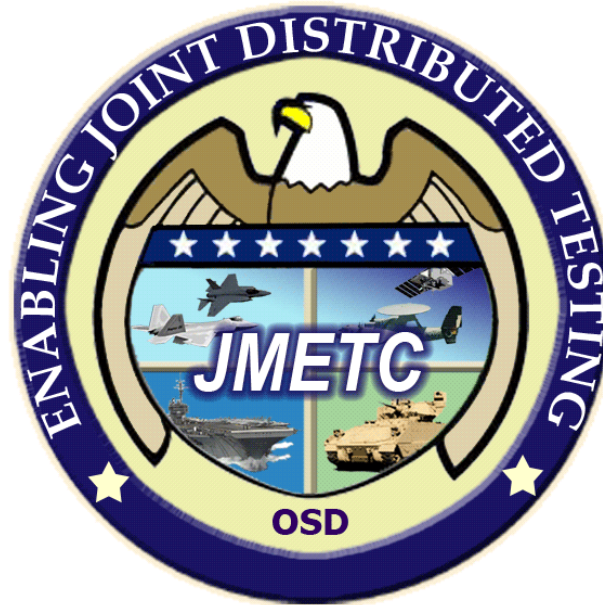


# Joint Mission Environment Test Capability (JMETC)



Apache AH-64E Distributed Testing

by

**Westley R.H. Moore**

SRC, Supporting JMETC



# Apache AH-64E Overview



- The AH-64E is the result of a sustainment effort that provides required operational capabilities via insertion of mature technologies into a proven weapon system platform.
- Improvements include:
  - Upgraded composite rotor and drive system
  - T-700-701D engines
  - UAS Tactical Common Data Link (TCDL) Assembly (UTA)
  - Modernized Signal Processor Unit (MSPU)
  - Radar Frequency Interferometer (RFI) Frequency Extension
  - Cognitive Decision Aiding System (CDAS)
  - Modernized Target Acquisition and Designation System (M-TADS)
  - Aided Target Detection and Classification (ATDC)
  - Embedded Diagnostics (ED), Automatic Identification Technology (AIT)
  - Link 16



# Risk Reduction

- Approaching:
  - Operational Testing
  - Joint Interoperability Certification Testing
- All previous development and test used a single Link 16 emulator
- Used JMETC Infrastructure to:
  - Connect to multiple remote high fidelity simulations (i.e. Hardware-in-the-loop)
  - Create Joint Environment

- JMETC Provided:
  - Planning and Preparation:
    - T&E WIPT
    - Boeing LabNet
  - Event Execution
    - Onsite technical support
    - Network Management
  - Post Event
    - Network performance report

