



Concepts and Requirements Directorate (CRD) USAACE / ATZQ-CDC

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Aviation C4I capabilities and network architecture to include.

Aviation Interoperability; Improved Data Modem (IDM); Blue Force Tracker – Aviation; High Frequency; Joint Battle Command – Platform; Joint Tactical Radio Systems – Small Airborne Networking Radio (SANR); Aviation Planning System (AMPS).

• Studies and analysis.

Capabilities Based Assessments; Gap Analysis; Analysis of Alternatives; Cost-Benefit Analysis; Capability Needs Analysis; Army Restructure Initiative Support; Operational Energy; Flying Hour Operational Tempo Analysis; Downwash Study; High/Hot Study; Helicopter Gross Weight Change Study.

•Conducts/supports analysis and experimentation. Unified Quest; Unified Challenge.

• Conducts ARCIC level simulation experiments. Unified Challenge (UC); Unified Quest (UQ): SIMEY: GAMEY:

Quest (UQ); SIMEX; GAMEX; WARGAME; Seminar WARGAME
• Concepts and requirements

development experimentation. MUM-T; M&S; Air-Ground Integration; FVL Attributes Study; FVL Support; Situational Awareness Enhancement; Cognitive Load Reduction.

 Develops operational concepts and plans.
 Army Operating Concept Support; Army Functional Concept Support; Avn CONOP.

• Science and technology. F2025B; Avn S&T Portfolio; Technology Information Exchange; Small Business Innovative Research; Avn S&T Synchronization; 2040 Avn S&T Vision.

• Tactical Air Traffic Services. Tactical AS Integ Sys; Air Tfc Nav Integrd and Coord Sys; Tact Terminal Ctrl Sys; Mobile Tower Sys; Global Air Tfc Mgt; Joint

• Air Crew Integrated Systems.
Air Soldier System; Aircrew
clothing; NVGs; Lasers; Wireless
Voice; Elec Data Modem;
Centralized Avn Flight Records
System; Electronic Flight Bag;
Chemical Protective Clothing &
Equipment.

Precision Appr and Ldg Sys.

Aviation Logistics.
 Avn Ground Power; Avn Tool
 Sets; Aircraft Recovery;
 Intermediate Maint Shop Sets;
 ALE-P, A/C Data Exploitation.

• Aircraft Survivability.
Counter-Infrared; Counter-Small
Arms; Counter-Laser; CounterRadio Frequency; Degraded Visual
Environments; Electronic Warfare.

• Army Component of the Joint Combat Assessment Team (JCAT-A).

Deploy Worldwide With Minimal Notice to Assess Combat Damage or Loss of Army or Joint Aircraft; Determine Enemy TTPs; Identify Aircraft Susceptibilities and Vulnerabilities; Rapid Development of TTPs to Counter Threats; Provide Survivability SME and Assistance to Commanders; Coordinate with Test and Acquisition Communities for Materiel Solutions; Collect, Analyze, Develop, Disseminate, and Integrate Aviation TTPs and OIL; Receive and Process RFIs.