



PRODUCTS AND SERVICES CATALOG

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SOFTWARE
ENGINEERING
CENTER



SOFTWARE ENGINEERING CENTER
PRODUCTS AND SERVICES
CATALOG



Let SEC support your software needs with our
**System Engineering, Software Development,
Test and Sustainment** services.

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TABLE OF CONTENTS

Software Engineering Center3

Message from the SEC Director 5

I. About SEC 7

SEC Overview..... 9

How to Do Business with SEC..... 9

A Few Advantages of Choosing SEC..... 10

Core Competencies11

Domains..... 14

II. Products & Services17

Application Virtualization and Migration..... 19

Army Agile Acquisition Process (A3P)
Network Integration Evaluation (NIE) Support21

Army IT Systems Security and Quality 23

a. Certification and Accreditation 23

b. Information Assurance/Cyber Security 25

c. Software Assurance Capability
Enterprise (SACE)27

Avionics Countermeasures, Sensors
and Maintenance 29

Avionics Systems31

Battlefield Sensor Systems..... 33

Business Systems Integration and Support 35

a. Business Systems Integration 35

b. Business Systems Support 36

Commercial Off-The-Shelf (COTS) Software
Asset and Acquisition Management.....37

Continuity of Operations (COOP) and Disaster
Recovery (DR) Data Center Hosting Services 38

Data Forensics and Litigation Support 39

Data Warehousing and Business Intelligence 40

Dedicated Software and System Support.....41

a. Field Support Management41

b. Global Operations Support 43

c. System Fielding and Training 45

Enterprise Solution Architectures
and Applications47

Fires 49

a. Fires Systems 49

b. Army Federated Net-Centric Site (FaNS)..... 52

Force Protection Software 53

Future Force Modernization..... 55

Hardware/Software Integration Facility.....57

Help Desk for Logistics Systems 59

Information Management.....61

Information Management Services and Support... 63

Integration Test Laboratory 65

Intelligence and Information Software Support67

Intelligence Fusion Systems..... 69

Joint Computer-Aided Acquisition and
Logistics Support (JCALS)..... 71

Joint On-demand Interoperability Network (JOIN) ... 72

Joint Users Interoperability
Communications Exercise (JUICE) 75

Legacy Systems Sustainment 77

Logistics Modernization Program (LMP) 79

Media Reproduction and Distribution..... 80

Message and Protocol Standards and Tools..... 82

Mission Command Development..... 85

Multimedia Management87

Satellite Communications 89

System Development and Integration
Network (SDIN)91

System of Systems Integration..... 92

Tactical Communications Capabilities 94

Tactical Logistics and Business
Systems Sustainment 96

III. Glossary99

SOFTWARE ENGINEERING CENTER



MESSAGE FROM THE SEC DIRECTOR

On behalf of the US Army Communications-Electronics Command (CECOM) Software Engineering Center (SEC), I am pleased to present this catalog highlighting SEC's products and services.

SEC, with its 25 years of experience supporting C4ISR, logistics and business enterprise systems, provides life cycle software solutions that enable warfighting superiority and information dominance. SEC's workforce is comprised of engineering, computer science, information technology and business management professionals. Over 580 of our professionals are acquisition certified in their specific career field, some with multiple certifications,

SEC delivers software products and services to support and protect America's warfighters. As the largest software center in the Army, each year SEC:

- Supports more than 435 systems/programs for a wide variety of customers
- Produces more than 248 software releases (including emergency releases) to fielded systems worldwide
- Produces Mission Data Sets and Electronic Warfare threat loads in support of force protection systems
- Improves the security posture for more than 250 systems

As you review our catalog, I encourage you to challenge SEC to provide unique software solutions for your current and future needs. Our broad experience provides an enterprise-wide vision enabling SEC to deliver cost-effective and timely software solutions that meets today's and future architectural, interoperability and security requirements.

Thank you for your interest in SEC. We look forward to the opportunity to support your needs.

Sincerely,

Larry Muzzelo
Director

ABOUT SEC



SEC OVERVIEW

Headquartered at Aberdeen Proving Ground, Maryland, the CECOM Software Engineering Center is one of the most experienced and comprehensive software support centers within the DoD. SEC provides much of the software expertise needed to support command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR), as well as logistics, business and enterprise systems in the modern digital environment.

With a mission to “provide life cycle software solutions and services that enable warfighting superiority and information dominance across the enterprise,” SEC supports the Warfighter from the business office to the battlespace.

Having pioneered the concept of centralized software life cycle management for systems well over 20 years ago, SEC has created an effective process-driven, fully integrated environment designed to ensure software systems cost-effectively meet today’s architectural and interoperability requirements for tomorrow’s vision. As a Capability Maturity Model Integration certified organization, SEC successfully supports more than 400 systems/programs for a wide variety of government customers.

Program managers choose SEC because it is the Army’s foremost organization providing a one-stop-shop for all software needs, including: system architecture, acquisition, software development, testing, change management, information assurance, certification, sustainment and support services. SEC also provides the infrastructure needed to support system software development, testing, deployment and sustainment.

From the initial concept, to development, testing, fielding and sustainment, SEC engineers are ready to ensure your software systems fully support your operational requirements.

HOW TO DO BUSINESS WITH SEC

SEC has one **FACE** to our customers:

Fast—We commit and deliver that commitment on time.

Accurate—We deliver the right results the first time, minimizing rework. We take pride in guaranteeing that our products and services will meet your needs.

Cost-effective—We strive to keep costs down without sacrificing the quality of our products and services.

Easy—We recognize that our interface with the customer is as important as the products and services we provide. We make it easy to do business with us.

If you are interested in doing business with the Software Engineering Center (SEC), please contact us through our website (<http://sec.army.mil>) or via email (Ask.SEC@us.army.mil). SEC’s Subject Matter Expert (SME) will contact you within two business days to discuss specific requirements. The SEC SME will work with you to determine the support required to include resource requirements including work years and funding. Work will start upon your satisfaction towards agreement of the required support.

A FEW ADVANTAGES TO CHOOSING SEC

SEC is the Army's software engineering center of choice for software products and services. Below are a few of the many advantages to choosing SEC.

1. Program Managers choose SEC because we are the Army's premier organization with the experience and skill sets required to ensure cost-effective software systems meet today's architectural and interoperability requirements for tomorrow's changing needs.
2. SEC has more than 20 years of experience in full life cycle management of software for military systems and provides much of the vital software expertise required to support C4ISR in today's digital environment.
3. SEC distributes more than 350,000 software products across the globe every year, supporting more than 400 systems.
4. SEC provides software support and solutions not only to the US Army but also across the full spectrum of the Department of Defense and the federal government.
5. SEC takes pride in delivering our products on time, every time. Customer responses to surveys consistently confirm SEC delivers top quality products and services that exceed customer expectations.
6. SEC's customers rely on our software to help them get information, gain efficiencies and streamline processes. They have also come to rely on SEC to provide early acquisition support to ensure sustainable software to help lower costs over a system's lifetime.
7. SEC's matrix support personnel provide rapid response capability to changes in our customer's environment and are available to perform inherently government functions. Another plus is our matrix personnel do not count against the customer's table of distribution and allowances.
8. SEC has extensive experience supporting the software requirements for foreign military sales to many nations including Canada, Netherlands, Saudi Arabia, South Korea, Australia, England, Sweden and Azerbaijan.
9. SEC is at the leading edge of technology, delivering sustainable software solutions to support and protect America's Warfighters. Whether it is utilizing Cloud computing, developing mobile applications or creating a service oriented architecture, SEC subject matter experts deliver cost-effective software solutions to meet the needs of our customers.
10. SEC Joint On-demand Interoperability Network (JOIN) serves as the technical hub for the C4ISR community by providing a distributed test environment (DTE) that enables the community to gain efficiencies by sharing resources. JOIN brings together Combatant Commanders/Services/Agencies (CC/S/A), industry and coalition partners into one DTE. The Joint User Interoperability Communications Exercise, widely known as JUICE, supports globally integrated network operations, providing mission partners the ability to test new and emerging concepts and technologies in a representative Joint Task Force environment and integrate capabilities fluidly across domains, echelons, geographic boundaries and organizational affiliations.

CORE COMPETENCIES

Software Development

The SEC's information specialists, computer engineers and scientists support system development using state of the art software tools. Their Post-Deployment/Post Production Software Support (PDSS/PPSS) programs maintain systems that are critical, essential and enhancing to warfighting capability and sustain the operational readiness of fielded systems based on the requirements identified by the System Owner through a Configuration Control Board process. PDSS/PPSS provide critical support for systems across multiple domains including: tactical communications, satellite communications, joint networks, mission command, intelligence and electronic warfare, air and ground force protection, fires, logistics systems, business systems and enterprise solutions.

Software Testing

SEC supports software and system testing using our state of the art facilities, tools and networks. SEC uses common processes for early detection of software faults and defects. Our Joint On-Demand Interoperability Network (JOIN) enables multiple organizations to test systems within a real world Joint Task Force network, ensuring interoperability, suitability and common mission thread execution. By leveraging our three certified Federation of Net-Centric Sites (FaNS), SEC provides distributed risk reduction, test-fix-test capabilities and Army interoperability certification testing.

Software Acquisition Support

SEC provides efficient centralized purchasing and management of commercial off-the-shelf software licensing through our Software Asset Management/Centralized Acquisition and Licensing Management services. This service provides our customers maximized cost avoidance and inventory utilization, reducing procurement costs and improving software license usage. Our matrix support leverages SEC's software acquisition expertise and knowledge, assisting the transition of systems to PDSS/PPSS.

Army Net-Centric Data Strategy

As the Army's net-centric data strategy Center of Excellence, SEC provides the Army Chief Information Office (G6) with data administration and technical expertise to implement DoD's net-centric data strategy across the Army. SEC provides common Army-wide data products and services that are critical for the successful migration from current 'point-to-point' data exchange to a net-centric 'many-to-many' exchange of information. SEC also supports the Army enterprise transformation through data engineering, data modeling, communities of interest data support, configuration management, service oriented architecture and data validation support.

Cyber Security/Data Forensics

SEC cyber security provides our customers early identification of software faults and defects missed during inspection and testing using proven tools and methods. Using common processes to detect various performance-degrading design and coding practices, SEC determines code vulnerability to potential hackers or other threats.

SEC's Data Forensics and Litigation Support aids successful litigation and investigation for government agencies by providing state of the art industry processes and technologies to deal with the challenges of large quantities of electronically stored information. Our customer services cover the span of requirements from initial data discovery through the final archiving of results.

Independent Verification and Validation

SEC's Independent Verification & Validation (IV&V) ensures software and system releases fielded to Warfighters satisfy all approve requirements.. Where possible, SEC provides additional cost avoidance for our customers by performing IV&V at their FaNS trusted Army Interoperability Certification sites: Fort Huachuca (Intelligence), Fort Sill (Mission Command) and Fort Lee (Logistics/Business).

Software Field Support

SEC provides 24/7 worldwide field software support services for a wide variety of C4ISR systems. Our Field Software Engineers (FSEs) work on-site keeping software systems battle ready, deploying with units to support contingencies, exercises and combat operations. Regionally aligned FSEs provide imbedded Army Field Support Brigade support along with reach-back capability to the SEC software depots, ensuring rapid and effective PPSS.

Electronic Warfare Software Reprogramming

As the Army's Executive Agent for Force Protection Systems, SEC's Army Reprogramming Analysis Team Program Office performs development and testing of software/threat reprogramming for Army ground and airborne force protection as well as electronic warfare systems.

Corporate Services

Replication and Distribution:

SEC replicates and distributes configuration managed software by unit, fielded platform and program/system, providing our customers software, firmware, digitized maps, training materials, software loading and readiness assistance for Warfighters worldwide.

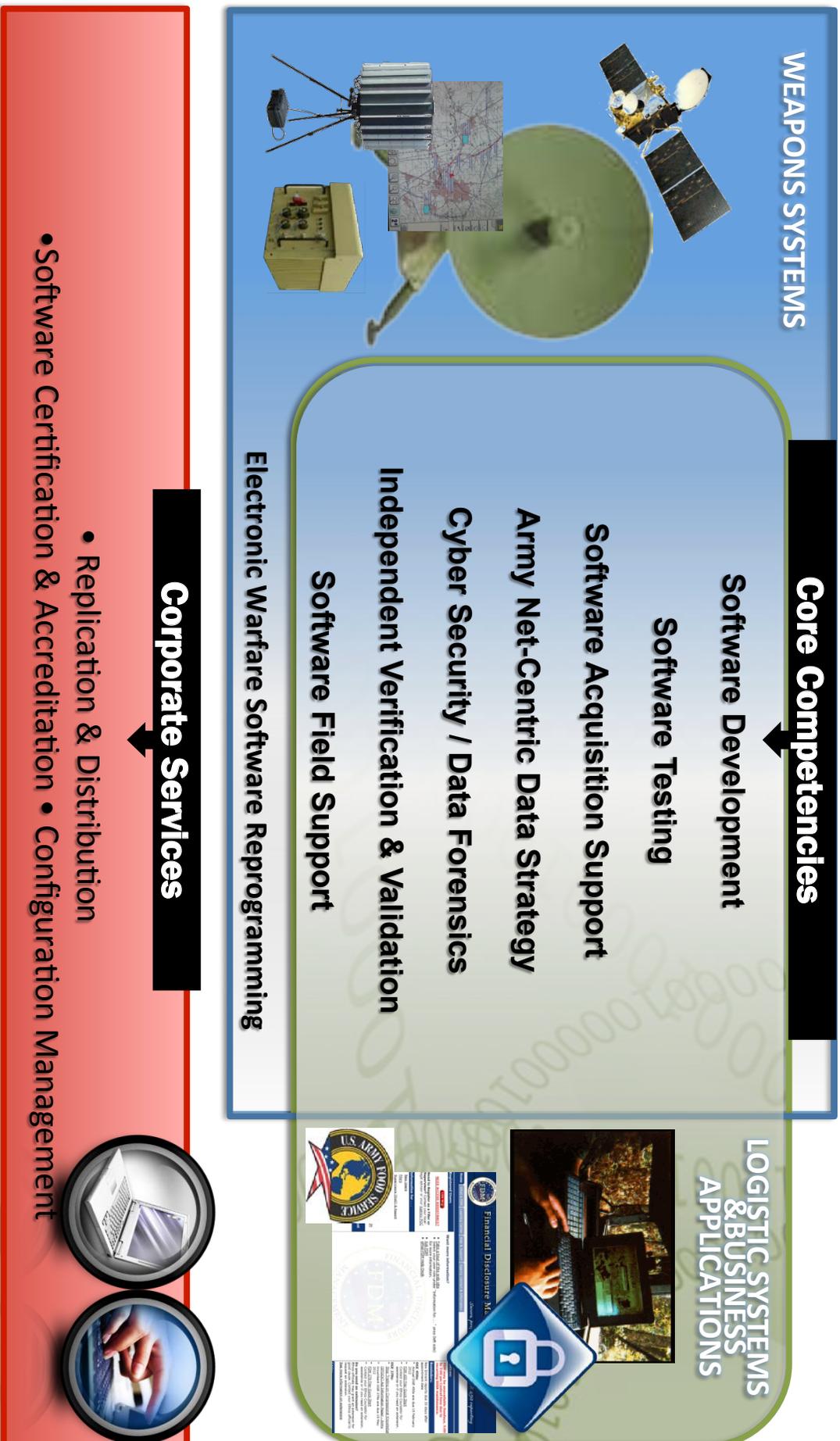
Configuration Management:

SEC provides software Configuration Management (CM) services directly to PM offices. CM enables SEC to establish and maintain the integrity of work products produced or received using configuration identification, configuration control, configuration status accounting and configuration audits. SEC chairs, facilitates and enables collaboration for Army Configuration Control Board meetings. Additionally, SEC's Software Control and Reference Office provides configuration controlled libraries for software deliverables and documentation (baselines).

Software Certification and Accreditation:

SEC is an Army-authorized Agent of the Certification Authority (ACA)/DoD validator. SEC Information Assurance (IA) professionals are DoD IA Engineering and Computer Network Defense—Auditor certified and provide independent verification and validation testing of the software/system/network for vulnerabilities using DoD and Army standard compliance best practices to mitigate risk of cyber related attacks. The ACA supports the Army's IA Governance Community of Practice as part of this Army assigned mission.

CORE COMPETENCIES AND SERVICES



DOMAINS

Mission Command

Systems and technology that support the processes triggered by commanders and executed by Warfighters to visualize, describe and direct forces against a hostile and adaptive enemy.

Fires

Systems that control long-range firepower provided to a front-line military unit. These systems help with refined probability of target location, precision strike capability, integrated precision strike capability and integrated command and control systems.

Satellite Communication Systems

Network of satellite-based systems to provide communications to deployed forces. Expands the GIG to deployed forces in remote areas and allows rapid response to meet surge requirements.

Tactical Communication Systems

Provide life cycle support to Army and Joint Tactical Communications Networks, providing voice, data and video services. Provide the Warfighter with a GIG to meet their tactical communication requirements.

Joint Networks

Direct the operation and defense of the Global Information Grid (GIG) across strategic, operational and tactical boundaries in support of the US DoD's full spectrum of warfighting, intelligence and business operations.

Intelligence

Support the systems and technology for multi-intelligence signals intelligence (SIGINT), measurement and signature intelligence (MASINT), geospatial intelligence (GEOINT), collection, fusion, dissemination and awareness.

Electronic Warfare, Avionics, Sensors

Support the system and technology for air and ground force protection. Provide rapid detection and dissemination of intelligence in support of electronic warfare operations. Other areas include airborne command and control systems along with aircraft maintenance tools and mine/minefield detection.

Tactical Logistics IT Systems

Life cycle support of logistics systems to assure that the Warfighter has access to the equipment they need. This includes supply and inventory management, property management, ammunition control, financial management and equipment maintenance.

Business Systems

Capabilities that support the systems that manage the business related processes for the Warfighter. This includes financial management, personnel, business intelligence, medical data and global support.

Enterprise Solutions

Provide enterprise level software to various government organizations to support various Office of the Chief Information Officer (CIO/G6) initiatives including net-centric data, information assurance, certification and accreditation, software asset management, software quality assessment, interoperability standards, architecture, process improvements and enterprise resource planning. SEC is designated as a center of excellence for net-centric data strategy for the Department of Army.

Field Software Engineering

Global organization providing training and system support to the Warfighter. These services encompass software upgrades, system configuration, troubleshooting issues, supporting readiness exercises along with system and database administrative functions.

PRODUCTS & SERVICES



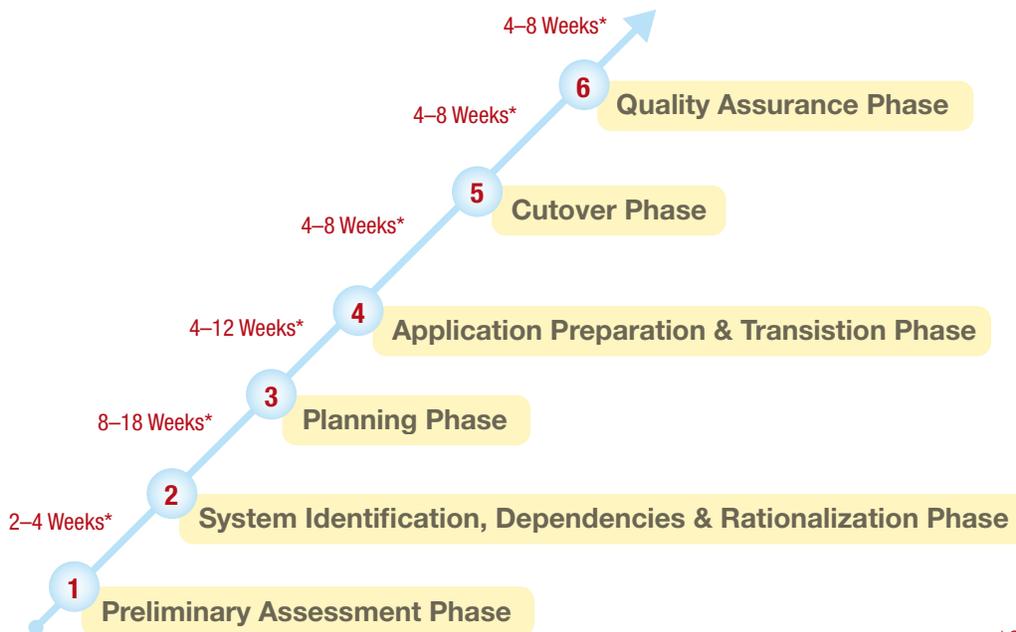
APPLICATION VIRTUALIZATION AND MIGRATION

Description:

SEC is a recognized center of expertise for application virtualization and migration with the engineering expertise and experience to migrate customer applications.

SEC participated in and provided input to the development of the Army Application Migration Concept of Operations (CONOPS) developed by the DA CIO/G-6. In Appendix A of the CONOPS document SEC was identified as a “go-to” engineering organization for Army customers requiring application migration services. Application virtualization and migration is achieved as follows:

- Preliminary Assessment Phase
- System Identification, Dependencies & Rationalization Phase
- Planning Phase
- Application Preparation & Transition Phase
- Cutover Phase
- Quality Assurance Phase



* Sample timeframes per location

Capabilities:

Server virtualization allows physical servers and the applications running on them to migrate from a source location to a target virtual server environment where up to a 10:1 reduction in server footprint can be achieved.

- Consolidation and reduction in server footprint
- Cost avoidances, cost reductions and cost savings
- Eliminated need for space expansion
- Accelerates the product development cycle due to a dramatic reduction in server and application deployment time
- Most out-of-date servers requiring hardware refresh
- Cost savings: new hardware purchases, reduced space, power and cabling costs
- Creates room to grow in existing data centers and avoid the expense of acquiring more space

Customers/Systems:**Customers:**

- Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR)
- DA CIO/G-6
- HQ Army Materiel Command (AMC)
- HQ Training and Doctrine Command (TRADOC)
- OSD CIO

Systems:

- BMC Atrium
- Mobile Virtualization Unit (MVU): VMWare, NetApp, OPNET

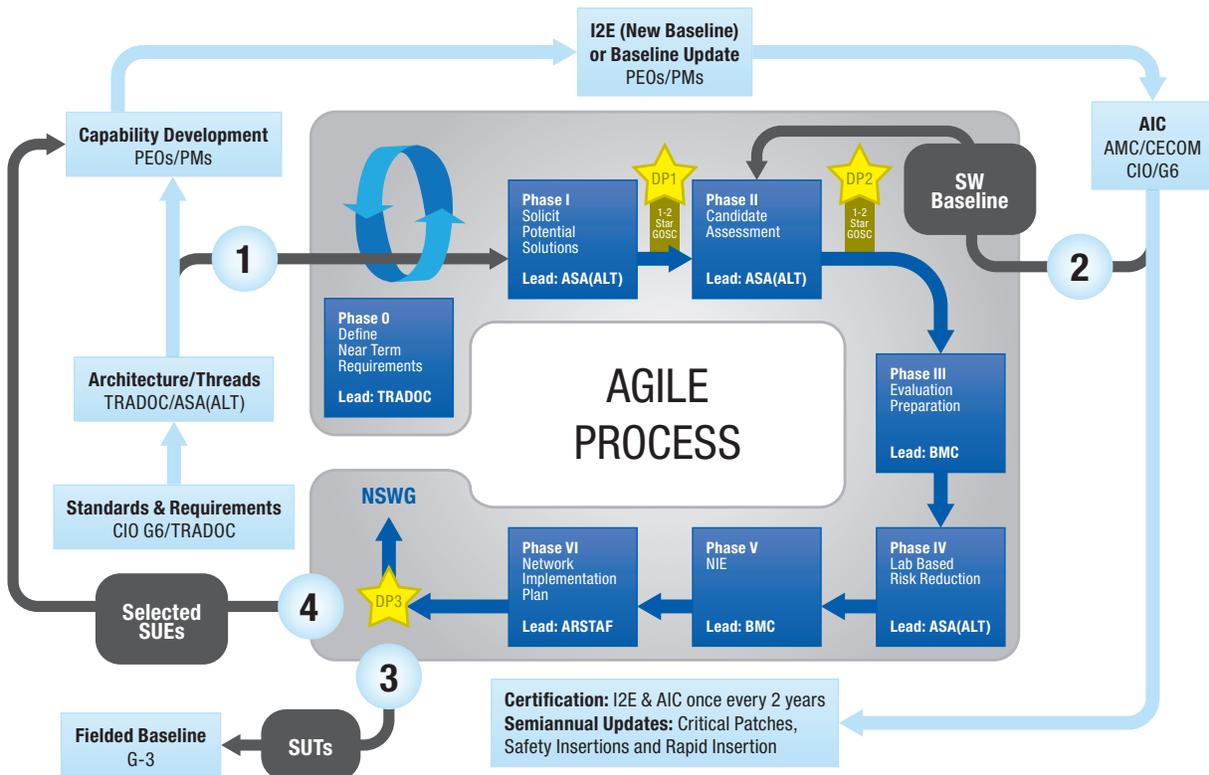
ARMY AGILE ACQUISITION PROCESS (A3P) NETWORK INTEGRATION EVALUATION (NIE) SUPPORT

Description:

The Army has developed a holistic network strategy that fundamentally changes how to acquire, test and deploy the network. In the past, the Army fielded networked systems independently and on their own acquisition timelines. The new approach is to deploy networked capabilities that are integrated from the Tactical Operations Center (TOC) to the Soldier, and are fielded in accordance with Army Force Generation (ARFORGEN) requirements. The 7-phase A3P aims to improve efficiency and effectiveness, while reducing the amount of time and resources necessary to respond to rapid changes in Soldier requirements.

The NIE is a key part of the A3P that assesses potential network capabilities in a robust operational environment to determine whether they perform as needed, conform to the network architecture and are interoperable with existing systems. The NIE ensures that the network satisfies the functional requirements of the force, and relieves the end user of the technology integration burden. The NIE is a series of semi-annual, Solider-led evaluations designed to further integrate and rapidly progress the Army’s tactical network. They take place at Fort Bliss, Texas, and White Sands Missile Range, NM, and are managed by the TRIAD—the Army Test and Evaluation Command (ATEC), the Brigade Modernization Command (BMC) and the ASA(ALT) System of Systems Integration (SoSI) Directorate. During the NIE, the Army conducts integrated and parallel operational tests of select Army programs of record, evaluates developmental and emerging networked capabilities in an operational environment, and assesses non-networked capabilities in an integrated operational environment.

CERTIFICATION OF, AND UPDATES TO, THE ARMY BASELINE



Command and Control Solutions Directorate (C2SD) provides support to A3P as well as the actual NIEs. C2SD leads SEC in supporting the ‘Solicit Potential Solutions and Candidate Assessment phase’ of the A3P by supporting the development of the Sources Sought, reviewing white papers with requisite information from the industry, and participating in the Technical Interchange Meetings (TIM) to evaluate the Software supportability and sustainability of the candidates.

C2SD is also supporting ASA(ALT) SoSI in leading the “critical” NIE network integration effort. SEC has supported SoSI in developing the NIE architecture threads, and is now supporting SoSI in physically connecting the network and distributed systems, assuring the configuration against the architecture (radios and information systems) and validating the data dissemination configuration is correct to assure delivery of messages.

C2SD continues to support PEO C3T, Mission Command, Tactical Mission Command, in the evaluation of a Prototype- Operations/Intelligence Convergence (P-OIC) capability that will allow users to fuse and collaborate on information across the Ops-Intel domains through the combination of Command Web, the tool used for mission command, and the Distributed Common Ground System—Army (DCGS-A).

C2SD is also providing technical support for FIRES systems currently in sustainment, such as the Forward Observer System and the AN/TPQ-36 and AN/TPQ-37 Radars.

Capabilities:

- Network and networked system integration and interoperability of brigade-and-below current force and future systems
- Network integration providing rapid vertical and horizontal dissemination of situational awareness, sensor data and collaboration between dismount, platform and command post/tactical operation centers
- Common Operating Environment (COE) migration
- Cross C4ISR PEO product and system of systems engineering and evaluation: integration, Soldier and C3T

Customers/Systems:

Customers:

- ASA(ALT)
- PEO Command, Control and Communications—Tactical (C3T)
- PdM Mission Command (MC)
- PEO Soldier, PM Soldier Warrior

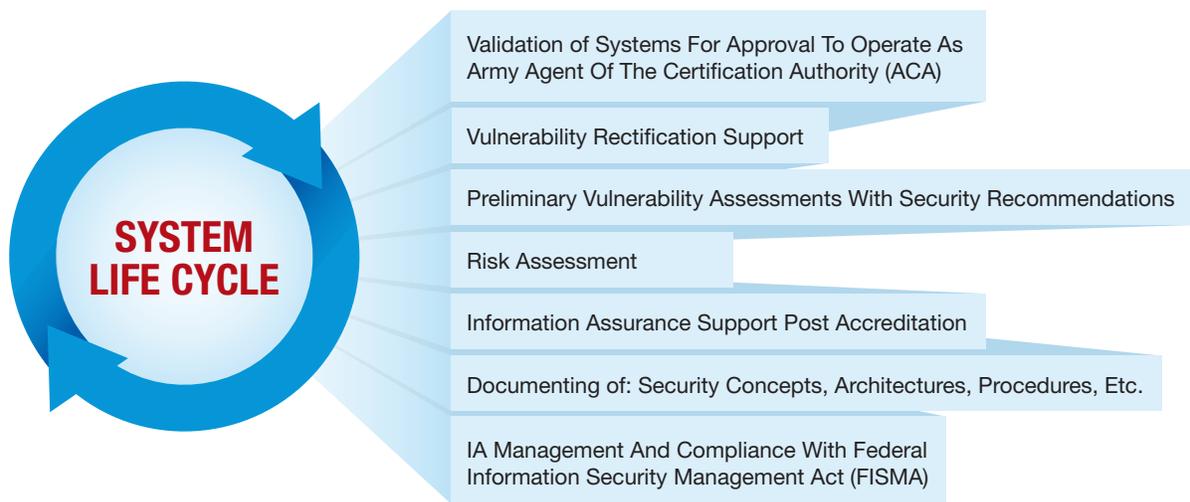
Systems:

- ASA(ALT): Common Operating Environment (COE), TOC Edge Node
- PEO C3T: Mission Command Systems, JBC-P
- PEO Soldier: Land Warrior/Ground Soldier Ensemble

ARMY IT SYSTEMS SECURITY AND QUALITY CERTIFICATION AND ACCREDITATION

Description:

As an Army-authorized Agent of the Certification Authority (ACA)/validator, SEC provides the highest value Cyber Security Assessment and Authorization (CSAA) services in support of Program Executive Officers (PEOs), Program/Project Managers (PMs), Product Managers (PdMs), System Owners (SOs), Life Cycle Management Commands (LCMC) and all other DoD organizations. These services address the validation of Information Assurance (IA) requirements throughout a system’s life cycle. SEC is prepared for the transformation of the current Certification and Accreditation (C&A) process to a Risk Management Framework (RMF) based process. SEC’s Cyber Security professionals are certified in accordance with DoD 8570.01M requirements, consistent with Army Best Business Practice (BBP), and have advanced skills such as Certified Ethical Hacker (CEH) credentials and advanced computing environment skills.



Total Mission Area Coverage C4ISR-C2 and sensors Warfighter-Tactical Platforms Enterprise-enclaves/sites Mission Applications

Each C&A effort completed reducing costs by 30-40 percent. Continually improving processes by implementing best business practices.

Capabilities:

- Preparing IA certification validation plans as part of the DoD information assurance certification process Implementation Program in accordance with validation requirements and methods
- Conducting validation of IA controls
- Preparing IA validation artifacts
- Preparing IA scorecards
- Preparing IA risk assessment artifacts from the IA validation findings
- Providing the IA scorecard and supporting artifacts to the certification authority for an operational IA risk determination

Customers/Systems:

In FY13 SEC performed C&A on 17 major programs, completing 56 accreditation packages for customers across the Army and Joint organizations including:

- Communications-Electronics Research, Development and Engineering Center (CERDEC)
- Headquarters, Department of the Army (HQDA)
- Joint Program Executive Office for Chemical and Biological Defense (JPEO CBD)
- National Guard Units
- Network Enterprise Technology Command (NETCOM)
- PEO Ammunition (AMMO)
- PEO Aviation
- PEO Combat Support and Combat Service Support (CS & CSS)
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Enterprise Information Systems (EIS)
- PEO Enterprise Information Systems/Defense Communications and Army Transmission Systems (DCATS)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PEO Missiles and Space (M&S)

ARMY IT SYSTEMS SECURITY AND QUALITY INFORMATION ASSURANCE/CYBER SECURITY

Description:

SEC provides the highest value Cyber Security Engineering (CSE) services in support of Program Executive Officers (PEOs), Product/Project Managers (PMs), Products Managers (PdMs), System Owners (SOs), Life Cycle Management Commands (LCMCs) and other DOD organizations' IA programs.

SEC is ready to provide system owners, to include PEOs/PMs/PdMs with dedication information assurance and cyber security engineering support that engineers out risk and maintains the security posture of mission critical systems.



Capabilities:

- Provide Cyber Security Engineering Services to engineer out risk and maintain the security posture of mission systems and applications
- Ensure customers' systems incorporate proper security measures
- Provide technical management of assessment and authorization continuously throughout the life cycle
- Oversee incorporation of information assurance vulnerability management
- Detail in Plan of Action and Milestones (POA&Ms) all necessary security actions and issues
- Ensure the actions and issues of the POA&Ms are addressed on schedule

Customers/Systems:

Customers:

- CECOM
- Command Post (CP)
- Distributed Common Ground System-Army (DCGS-A)
- Logistics Modernization Program (LMP)
- Natick Soldier Research Development & Engineering (RD&E) Center
- PdM Prophet
- PEO Command, Control and Communications—Tactical (C3T)

Systems/Services:

- PdM Mission Command (MC)
- PEO Enterprise Information Systems (EIS) PMs Defense Communications and Army Transmission Systems (DCATS)
- PEO Integration
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PEO IEW&S PMs Radars
- Support for all systems

ARMY IT SYSTEMS SECURITY AND QUALITY SOFTWARE ASSURANCE CAPABILITY ENTERPRISE (SACE)

Description:

SACE provides services for independent Software Quality Assurance, software safety, characterization of mission applications, and validation of Information Assurance Controls for Networthiness and certification and accreditation (C&A) on an enterprise-wide scale continuously throughout the lifecycle of mission critical software. This service provides developers and senior leaders an assessment of risk along with actionable recommendations for risk mitigation. SACE enables cost-effective evaluation and remediation of critical components of mission software so that major risks to safety, security, integrity, availability and confidentiality of sensitive information can be significantly reduced throughout the life cycle for mission critical systems and applications.



Capabilities:

- Establish process and metrics
- Oversee and coordinate initiatives
- Contract verbiage and source selection
- Education and awareness
- Forensic code-level assessments
- Quality Assurance (QA) of third-party assessment
- Help determine operational risks
- Recommend risk mitigation
- Help make results actionable
- Guidance for Information Assurance (IA), Certificate of Networthiness (CoN), Key Performance Parameter (KPP), etc.
- Early detection and correction of software faults and defects
- Provide techniques, procedures and best practices to engineer out risk
- Develop and provide Cyber Security training
- Address unique tactical system needs utilizing DoD and Army approved tools

Customers/Systems:

Customers:

- PEO Aviation
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Enterprise Information Systems (EIS)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- Tactical Communications Armament Research, Development and Engineering Center (TACOM/ARDEC)

Systems:

- Acoustic Rapid COTS insertion (ARCI)
- Advanced Field Artillery Tactical Data System (AFATDS)
- Agile Commander
- Assistant Chief of Staff (ACS)
- Battlefield Video Teleconference (BVTC)
- Command and Control (C2) of Robotics Entities
- Common Ground Station (CGS)
- Communication System Control Element (CSCE)
- Data Dissemination Service (DDS)
- Distributed Common Ground Station-Army (GCSS-A) Geospatial & Weather Service
- Electronic Key Management System (EKMS)
- Financial Disclosure Management (FDM)
- Global Combat Support Systems-Army (GCSS-A)
- Guardrail
- Joint Tactical Radio System Program Manager Ground Mobile Radio (JTRS)
- Joint Tactical Terminal
- Lightweight Counter Mortar Radar (LCMR)
- Maneuver Control System (MCS)
- Mission Command Sustainment Support System (MCS3)
- Mortar Fire Control System
- Multiplex Tool Kit (MUXTOOLKIT)
- Performance Assessment Tool (PASS)
- Replacement Frequency Modulated Orderwire (RFMOW)
- Replacement Satellite Configuration Control Element (RSCCE)
- Soldier Radio Waveform (SRW)
- Standard Army Retail Supply System (SARSS)
- Tactical Services Security System (TS3)
- Universal Purge Tool (UPT)

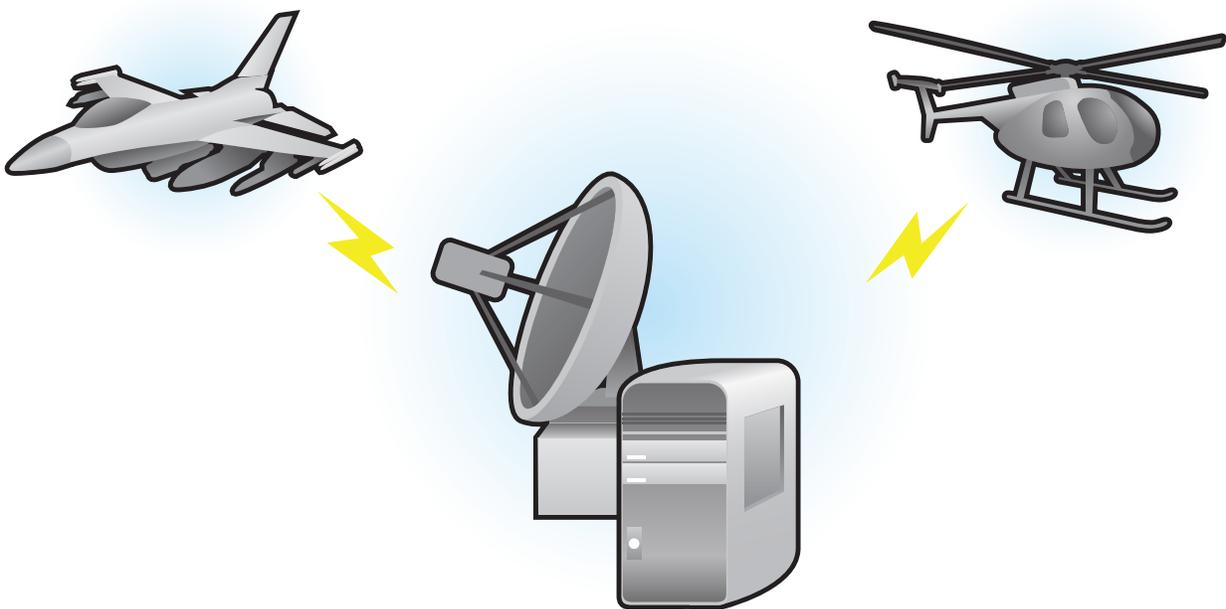
AVIONICS COUNTERMEASURES, SENSORS AND MAINTENANCE

Description:

Life cycle software engineering support to the PEO, Intelligence, Electronic Warfare and Sensors (PEO-I EW&S) and its subordinate project/product managers as well as other CECOM, Department of the Army and DoD organizations, agencies and foreign military sales is provided by Avionics, Countermeasures and Sensors support capabilities.

It also provides software engineering support for avionics countermeasures and sensor systems that give situational awareness and force protection to the Warfighter.

Software engineering support spans the entire software life cycle to ensure the reliability, maintainability, interoperability and configuration integrity of the software components used in communication, navigation, avionics maintenance tools, aircraft survivability equipment (e.g., radar warning receivers), sensor systems and related mission critical defense systems.



Capabilities:

- Sensor/Detection Systems
- Force Protection Systems
- Counter Remote Control Improvised Explosive Device (RCIED) Electronic Warfare
- Aircraft Survivability Equipment Command and Control (ASE C2) and Situational Awareness (SA) for Pilots
- Aviation Responsive Maintenance System
- On-the-Move Airborne Digital Command Post
- Signals Intelligence/Electronic Warfare
- Radar Warning Receivers for Multiple Air Platforms
- Infrared (IR) Guided Weapons
- All Source Intelligence Used for Threat Analysis

Customers/Systems:

Customers:

- Army National Guard (ARNG)
- CECOM Logistics Readiness Center (LRC)
- Foreign Military Sales (FMS)
- Joint Improvised Explosive Device Defeat Organization (JIEDDO)
- PdD Aircraft Survivability Equipment (ASE)
- PdD Aviation Networks & Mission Planning (ANMP)
- PdM Air Traffic Control Systems (ATC)
- PdM Air Warrior
- PdM Apache
- PdM Aviation Ground Support Equipment (AGSE)
- PdM Cargo
- PdM Communications Control Set (CCS)
- PdM Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW)
- PdM Fixed Wings
- PdM Prophet
- PdM Robotics and Unmanned Sensors (RUS)
- PEO Ammunition (AMMO)
- PEO Aviation
- PEO Intelligence, Electronic Warfare & Sensors (IEW&S)
- PM Apache Attack Helicopter (AAH)
- PM Heavy Brigade Combat Team (HBCT)
- PM Night Vision/Reconnaissance Target Acquisition (NV/RSTA)
- Special Operations Aircraft Regiment (SOAR)
- United States Army Reserve (USAR)
- United States Air Force
- United States Navy

Systems:

- Advanced Heads Up Display (AHUD)
- AN/ASN-128 Lightweight Doppler Navigation System (LDNS)
- Army Airborne Command and Control System (A2C2S)
- Army Reprogramming Analysis Team (ARAT)
- Counter Radio Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW)
- High Frequency (HF) Radio
- Hostile Fire Detection System (HFDS)
- Improved Data Modem (IDM)
- Multiplex Toolkit of Advanced Multiplex Test System (AMTS) and Army Multiplex Avionics Tester (MUXTOOLKIT)
- Prophet
- Radar Frequency Interferometer System (RFIS)
- Radar Warning Receiver (AN/APR-39) Radar Signal Detection Set (A/B(V)2)
- Radar Warning Receiver (A(V)1)
- Radar Warning Receiver (A(V)2)
- Radar Warning Receiver (A(V)X)
- RC-12 Aircraft Survivability Equipment/Avionics Control System (RC-12 ASE/ACS)
- Software Loader Verifier (SLV)
- Suite of Integrated Radio Frequency Countermeasures (AN/ALQ-211(V)-SIRFC)
- System AN/TRR-38 Satellite Receiving Set (AN/TRR-38)

AVIONICS SYSTEMS

Description:

Avionics System Support, Avionics Branch is responsible for the Post Production Software Support (PPSS) of 11 avionics systems. This is essential in maintaining the Army's operational readiness in today's modern military aircraft. This includes providing the Warfighter:

- New software upgrades/releases
- On-site field and technical support
- Tele-maintenance and computer-based training

It provides the program executive officer/product manager customers on-site platform support, specifically, PPSS for the onboard avionics subsystem such as IDM Series 304, air traffic navigation and coordination system (ATNAVICS) and communications high accuracy location sub-system—compact (CHALS-C). SEC Avionics Branch offers engineering experience and expertise on all aspects of MIL-STD-1553 matters to encompass the writing of the MIL-STD-1553 requirements that establish avionics maintenance test systems.



Capabilities:

Life cycle support to Army systems providing diagnostic, defect correction and independent verification and validation (IV&V) services:

- Command and Control (C2) and Situational Awareness (SA)
- On-the-move Airborne Digital Command Post
- Aviation–Intermediate Maintenance/Aviation Unit Maintenance (AVIM/AVUM) maintenance support
- Field Operational Flight Program (OFF) software reprogramming
- MIL-STD-1553 and other aircraft data-bus support
- Certification and accreditation support
- Field exercise and operational support

Customers/Systems:

Customers:

- Army Air National Guard and Reserves
- Army's 160th Special Operations Aviation Regiment (Airborne), also known as the "Night Stalkers" (160th SOAR)
- Foreign Military Sales (FMS)
- PEO Aviation/PdD Aviation Networks & Mission Planning (ANMP)/PdM AGSE
- PEO Aviation/PdM Apache/PdM Blackhawk/PdM Cargo/PdM Air Traffic Control Systems (ATC)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)/PdM, Aerial Common Sensors (ACS)
- PM HBCT
- US Army Communications-Electronics Command (CECOM)

Systems:

- Advanced Heads Up Display (AHUD)
- Advanced Multiplex Test System (AMTS)
- AN/APX-118 and AN/APX-123 Identify Friend or Foe (IFF APX-118/123)
- AN/ARC-220 Advance High Frequency Aircraft Communications System (ARC-220)
- AN/ARC-231 Airborne Communication System with VHF/UHF/LOS and DAMA SATCOM Communications System (ARC-231)
- AN/ASN-128 Doppler Navigation System (ASN-128)
- Army Airborne Command and Control System (A2C2S)
- Army Multiplex Avionics Tester (AMAT)
- ATNAVICS
- Improved Data Modem Series 302 and Series 304 (IDM S302/S304)
- RC-12 Guardrail Aircraft Survivability Equipment/Avionics Control System (RC-12 ASE/ACS)
- Software Loader Verifier (SLV)

BATTLEFIELD SENSOR SYSTEMS

Description:

Sensor systems capabilities provide software life cycle support to twelve systems. These systems provide high-value sensor inputs to the Warfighters on the battlefield and their commanders covering both situation awareness and force protection. This includes providing the Warfighter:

- Signal Intelligence Collection & Analysis
- Electronic Warfare
- Persistence Surveillance
- Mine Detection

It provides post production software support to systems such as the AN/TRR-38 Satellite Receiving Set and Prophet Systems, including the following:

- New software upgrades/releases
- Quarterly Information Assurance Vulnerability Assessment (IAVA) releases
- On-site and reach-back field support
- Computer-Based Training releases

Additionally, the capabilities provide support to Program Executive Officers/Product Managers with their sensor programs such as Persistent Surveillance and Dissemination System of Systems (PSDS2), Common Sensor Payload (CSP), Small Tactical Radar—Lightweight (STARLite), Prophet Enhanced, Wolfhound, Vigilant Pursuit, Hand-held Stand Off Mine Detection System (HSTAMIDS), Autonomous Mine Detection System (AMDS), Area Mine Clearing System (AMCS) and Husky Mounted Detection System (HMDS), providing the guidance necessary to ensure software meets requirements.



Capabilities:

Life cycle support to Army systems providing diagnostic, defect correction and IV&V services:

- Quarterly IAVA releases
- Periodic version releases
- Software license management
- Certification & Accreditation (C&A) support
- Field exercise and operational support

Customers/Systems:

Customers:

- CECOM LCMC/Logistics Readiness Center (LRC)
- PEO Ammunition (AMMO)/PdM Close Combat Systems (CCS)/PM Countermines & Explosive Ordnance Disposal (CM & EOD)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)/PM Night Vision/Reconnaissance Target Acquisition (NV/RSTA)/PdM Robotics and Unmanned Sensors (RUS)
- PEO IEW&S/PdM Electronic Warfare (EW)/PdM Prophet
- RDECOM/Communications Electronics Research, Development, and Engineering Center (CERDEC)/Intelligence & Information Warfare Directorate (I2WD)

Systems:

- AMCS
- AMDS
- AN/TRR-38
- CSP
- HMDS
- HSTAMIDS
- Prophet Enhanced
- Prophet Spiral 1/1+
- PSDS2
- STARLite
- Vigilant Pursuit
- Wolfhound

BUSINESS SYSTEMS INTEGRATION AND SUPPORT BUSINESS SYSTEMS INTEGRATION

Description:

Software Engineering Services provide integration and consulting support in operating systems and related executive software (e.g., database and application support software, communications software and utility software), as well as cradle-to-grave project management and life cycle support for software systems and commercial off-the-shelf software products from requirements analysis and evaluation through testing, fielding and maintenance.



ARMY ENTERPRISE SYSTEMS
INTEGRATION PROGRAM



CHIEF INFORMATION OFFICE (CIO),
UNITED STATES ARMY



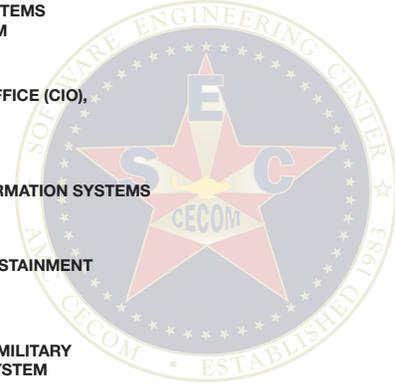
PEO ENTERPRISE INFORMATION SYSTEMS



MISSION COMMAND SUSTAINMENT
SUPPORT SYSTEM



DEFENSE INTEGRATED MILITARY
HUMAN RESOURCES SYSTEM



Capabilities:

- Integration and consulting support
- Software sustainment support
- Cradle-to-grave information technology (IT) acquisition program management support

Customers/Systems:

Customers:

- Army Materiel Command G3
- DoD Chief Information Officer
- DoD Coordination Global Information Grid (GIG)
- PdM Mission Command Sustainment Support System (MCS3)
- PEO Integration
- PEO Joint Medical Information Systems (JMIS)
- PM Defense Health Information Management System (DHIMS)
- PM Defense Health Service Systems (DHSS)

Systems:

- PM Defense Wide Transmission System (DWTS)
- PM General Fund Enterprise Business System (GFEBS)
- Armed Forces Health Longitudinal Technology Application (AHLTA)-Global Electronic Health Record
- Army Housing Operations Management System (AHES (HOMES))
- Army Portfolio Management System (APMS)
- Combat Support Services Communications Directorate (CSS COMMS)
- Common User Database (CUD)
- Defense Medical Logistics Standards Support (DMLSS)
- Inspector General's Automated Reporting System (IGARS)
- Joint Medical Asset Repository (JMAR)
- Patient Movement Items Tracking System (PMITS)

BUSINESS SYSTEMS INTEGRATION AND SUPPORT BUSINESS SYSTEMS SUPPORT

Description:

Business Systems Support provides continuous funding flow to support open-the-door costs plus organizational management and operational costs are ensured by Support Services.

Services include resource management; contract management; plans and operations; security; communications; facilities management; logistics support; telecommunications support and administrative support.

Support Services provides security administration in a specialized and integral aspect of agency mission and programs as well as technical support services and a full range of contract expertise as assigned by the contracting officer's representative function.

They coordinate with vendors on wide-area workflow and with various levels within Defense Finance and Accounting System (DFAS). They also process procurement actions and develop spend plan, procurement packages and verify delivery to 200 locations and submission of receiving reports to DFAS.



Capabilities:

- Provide embedded program management support to critical Army and DoD programs
- Support Enterprise Solutions Directorate (ESD) line organizations with infrastructure services
- Maintain continued operation of network services for critical Army programs (e.g., Financial Management Information System (FMIS), Enterprise Solutions Competency Center (ESCC), Combat Support Services Communications Directorate (CSS COMMS))

Customers/Systems:

Customers:

- Civilian Information Services Division (CISD)
- Department of Defense Education Activity (DoDEA)
- Office of Assistant Secretary of Defense Network and Information Integration (OASD NII)
- Program Executive Office Enterprise Information Systems Operations Division (PEO EIS OD)

Systems:

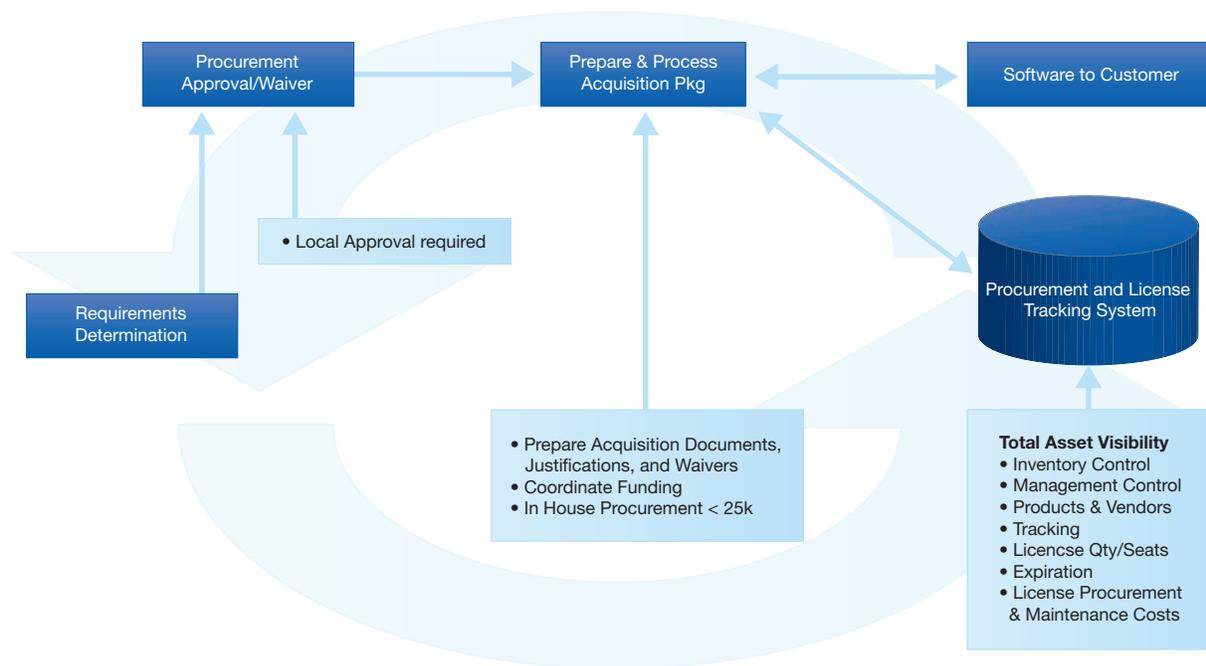
- Army e-Learning

COMMERCIAL OFF-THE-SHELF (COTS) SOFTWARE ASSET AND ACQUISITION MANAGEMENT

Description:

The SEC Software Asset Management/Centralized Acquisition and License Management (SAM/CALM) processes provide Army-centralized acquisition and management of commercial off-the-shelf (COTS) software licensing.

The capability provides maximized cost avoidance and inventory utilization, reduced software procurement costs and significant software cost avoidance and economies of scale savings. Using best practices for managing and optimizing the COTS software licenses, we assist customers in identifying future needs and determining the most economical way to satisfy their COTS software requirements.



Capabilities:

- Improve control over existing COTS products
- Minimize expenditures and maximize inventory utilization
- Reduce software procurement costs
- Increase COTS reuse through total asset visibility
- Streamline and standardize the procurement process
- Develop and maintain centralized databases for IT and COTS procurements

Customers/Systems:

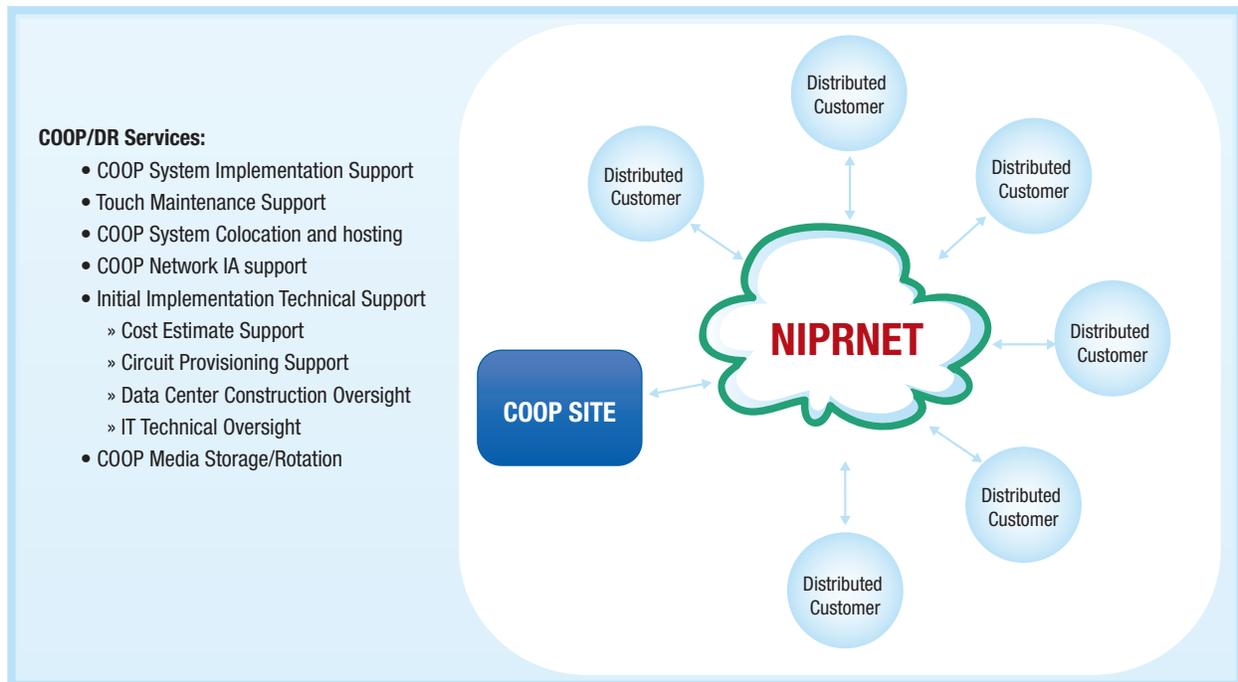
Customers:

- PdD Counter Rocket Artillery and Mortar (C-RAM)
- PdM Defense Wide Transmissions Systems (DWTS)
- PEOs
- PMs

CONTINUITY OF OPERATIONS (COOP) AND DISASTER RECOVERY (DR) DATA CENTER HOSTING SERVICES

Description:

Continuity of Operations (COOP) and Disaster Recovery (DR) Data Center Hosting services provide support and implementation services to SEC internal customers and other Army Materiel Command customers, ensuring that critical Warfighter applications are redundant and available.



Capabilities:

Continuity of Operations and Disaster Recovery Data Center services for operational systems ensuring critical applications are available to the Warfighter without fail.

Customers/Systems:

Customers:

- Army Materiel Command (AMC)
- HQ Surface Distribution and Deployment Command (SDDC)
- SEC Aberdeen Proving Ground (APG)
- SEC Fort Lee
- SEC Fort Sill

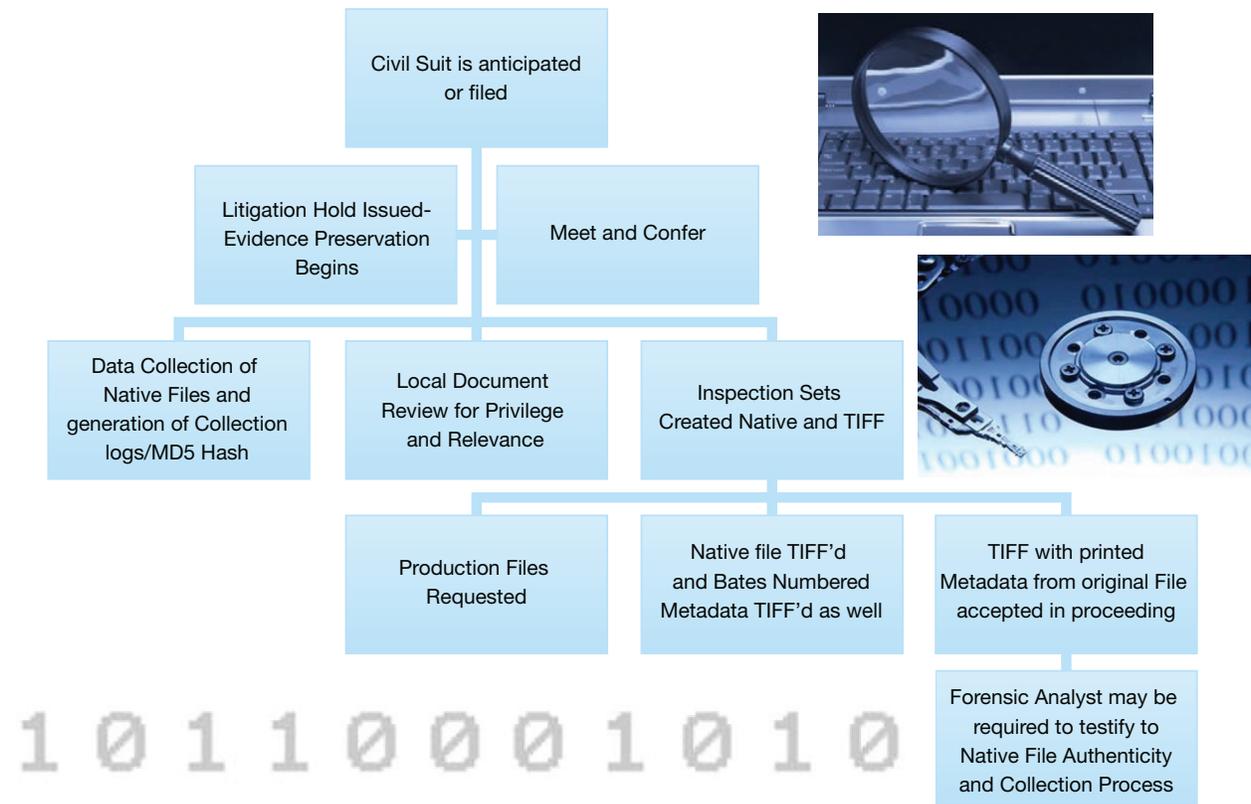
Systems:

- Army Food Management Information System (AFMIS)
- C4ISR Systems
- DoD Architecture Registry System (DARS)
- Other defense agency (ODA) hosting system

DATA FORENSICS AND LITIGATION SUPPORT

Description:

Data Forensics and Litigation Support provide present-day processes and technologies to aid in successful litigation and investigation for government agencies particularly when dealing with the challenges of large quantities of electronically stored information (ESI). Amongst the most important tasks, the ESI team locates, collects, processes and manages data while preserving metadata and protecting against inadvertent disclosure of privileged and personally identifiable information.



Capabilities:

- Bit-for-bit disk archiving
 - Active files
 - Deleted files
 - Slack space
- Computer forensics
- Court-approved processes for data collection for civil and criminal litigations, as well as Internal affairs investigations
- Custodian identification
- Data presentation services
- Document scanning and reduction
- Electronic data discovery
- Online document management

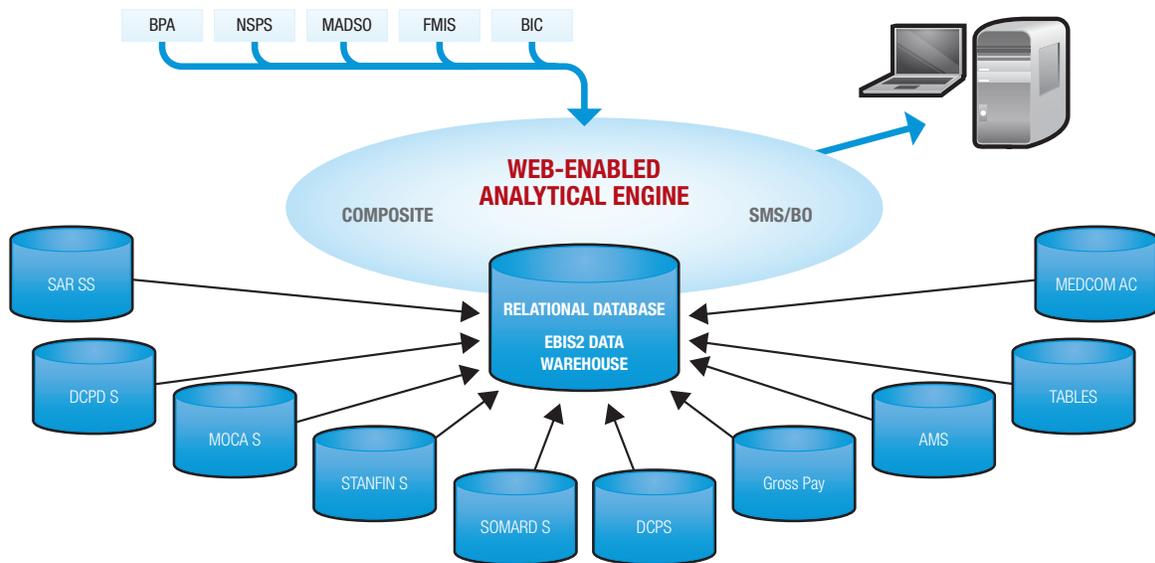
Customers/Systems:

- Army Materiel Command
- United States Army Legal Services Agency (USALSA)

DATA WAREHOUSING AND BUSINESS INTELLIGENCE

Description:

Financial Management Information System (FMIS) capabilities provide data warehousing and Business Intelligence (BI) capabilities to deliver dynamic consolidated data from multiple sources via the web. Reduces dependencies on data gathering, promotes information sharing and lowers total cost while reducing risk. Enables staff to work smarter, not harder.



Capabilities:

- Seamless integration of disparate legacy system data
- Dynamic information required to assure tactical readiness and avoid mission delays
- Solutions for information superiority
- Information sharing
- Single source for corporate information
- BI and warehouse expertise

Customers/Systems:

Customers:

- CECOM
- Foreign Military Sales (FMS)
- Medical Command (MEDCOM)
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PM Acquisition Business (AcqBus)

Systems:

- Account Management System (AMS)
- Message Address Directory System Owner (MADSO)
- National Security Personnel System (NSPS)
- Property Inventory Management (PIM)
- Standard Army Finance System (STANFINS)
- Standard Operations and Maintenance Army Research and Development System (SOMARDS)

DEDICATED SOFTWARE AND SYSTEM SUPPORT FIELD SUPPORT MANAGEMENT

Description:

Field Support Directorate (FSD) provides on-site and regional field software engineers, digital systems engineers and related support to Soldiers in over 80 locations worldwide. FSD is aligned with the Army Field Support Brigades to execute efficient and effective Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) support. Digital Systems Engineers/Field Support Engineers (DSEs/FSEs) provide support to units during the “Reset/Training,” “Ready” and “Available” phases of the Army Force Generation (ARFORGEN) cycle and all five phases of the Unit Set Fielding (USF) process. Support is provided in garrison, field or combat environments as dictated by the supported unit. FSD engineers provide subject matter experts on employment of the system; network architecture implementation and maintenance; over-the-shoulder training; troubleshooting; fault isolation; resolution and reporting through the SEC Operations Center and all maintenance problems and anomalies associated with the army mission command system hardware, software, training and the tactical network.



Capabilities:

Provides on-site software support for software problem resolution; configuration control; software upgrades and installations; Information Assurance and Vulnerability Assessment (IAVA) patch management; over-the-shoulder training; fielding and training events; C4ISR system; and technical and operational architecture

- Completely integrated C4ISR support organization (USF, Army Field Support Brigades, embedded DSEs at maneuver Brigade Combat Team and above)
- Support to USF and the ARFORGEN process
- Twenty-four/seven C4ISR support with requisite tools and connectivity to support units worldwide

Customers/Systems:

- 134 supported Reserve and National Guard units
- 229 supported Active Duty units
- 401st AFSB Southwest Asia Operation Iraqi Freedom (SWA OIF)
- 402nd AFSB SWA OIF
- 403rd AFSB Far East
- 404th AFSB Pacific
- 405th AFSB Europe
- 406th AFSB Conus East
- 407th, AFSB Conus West
- Army Materiel Command (AMC)
- Army Sustainment Command (ASC)
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Enterprise Information Systems (EIS)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)

Over 17,000 systems supported to include:

- ACS-CREW/Prophet
- Advanced Field Artillery Tactical Data System (AFATDS)
- Advanced Special Operations Management System (ASOMS)/CI/HUMINT Management System (CHIMS)
- All-Source Analysis System Light-Analysis and Control Element (ASAS-ACE)/All Source (AS)/Light (L)/Single Source (SS)/Communications Control System (CCS)
- Common Ground Station (CGS)
- Communications Liaison Officer (Comms LNO)
- Communications Support (Comms Spt) Counterintelligence Human Intelligence Automated Reporting and Collection (CHARCS)
- Digital Topographic Support System (DTSS)
- Firefinder
- Forward Observer System (FOS)
- Geospatial & Weather Service Distributed Common Ground Station-Army Geospatial & Weather Service (DCGS-A)
- Guardrail Common Sensor (GRCS)
- Joint Counter RCIED (Radio Controlled Improvised Explosive Device) Electronic Warfare (JCREW)
- Lightweight Counter Mortar Radar (LCMR)
- Tactical Mission Command (TMC)

DEDICATED SOFTWARE AND SYSTEM SUPPORT GLOBAL OPERATIONS SUPPORT

Description:

The Field Support Directorate (FSD) Operations Division coordinates field support resource requirements with Project Manager (PM)/Product Manager (PdM) and SEC line directorate customers, as well as Field Support Management Division (FSMD) field support staff. The Division maintains and reports on the status of SEC field support activities and provides online tools and help desk tools to assist Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) support.

The FSD Operations Center Branch provides the central point for the tracking, coordination and synchronizing all operations, providing near-real-time situational awareness on all software field support activities to SEC senior leadership. The Global Support Center/single interface to the field (SIF) provides support to a wide variety of C4ISR weapon systems, integrating tools and capabilities with PdM Mission Command (MC) SIF for a true single enterprise portal.

The Customer Support Branch coordinates field support resources and synchronizes field support missions with PM staff, SEC line directorates and SEC field support personnel. Project leads ensure important unit exercise, training and contingency missions have the field support resources needed to complete the mission.



Capabilities:

- Provide reach-back capabilities to subject matter experts by utilizing web-enabled knowledge/information management capabilities
- Provide centralized help desk, toll-free numbers and an automated website to support SEC customers worldwide
- Ensure unit exercise, training and contingency missions have the C4ISR field support resources needed to complete the mission
- Serve as technical liaison for Army Materiel Command/Army Sustainment Command/Army Field Support Brigade portfolio management initiatives with requirements definitions, integration, interface and business process automation in the realm of personnel and logistics tracking
- Coordinate and synchronize the application of C4ISR field support resources around the world

Customers/Systems:

Customers:

- Army Materiel Command
- Army Sustainment Command (ASC)
- Army Field Support Brigade (AFSB) PEO Command, Control and Communications—Tactical (C3T)
- PEO Enterprise Information Systems (EIS)
- PEO Intelligence, Electronic Warfare and Sensors (IE&WS)

Systems:

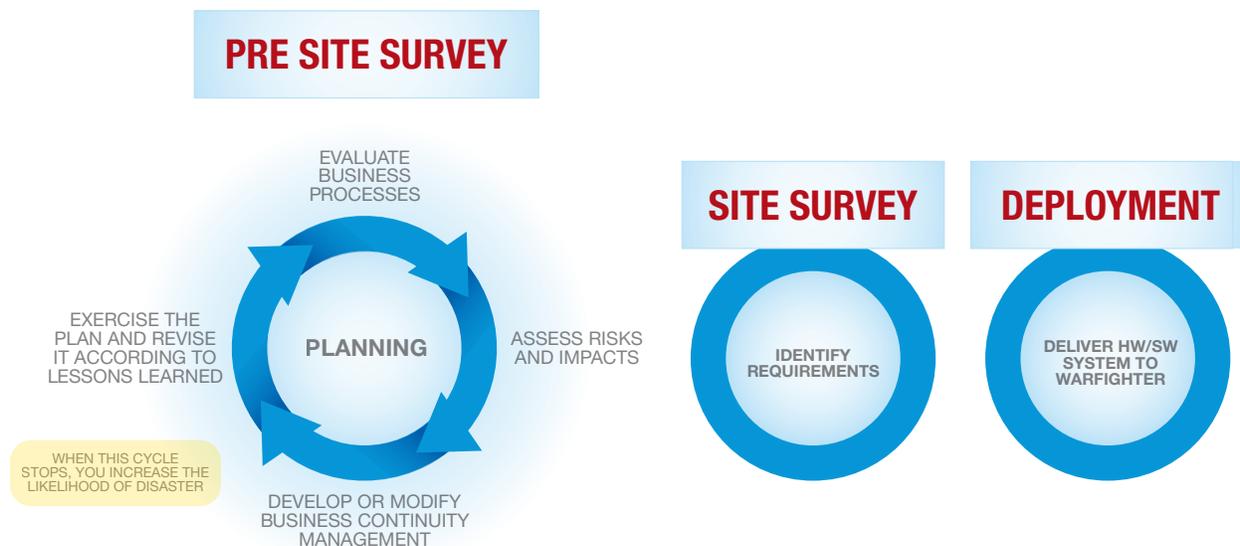
- Advanced Field Artillery Tactical Data System (AFATDS)
- Advanced Special Operations Management System (ASOMS)
- All-Source Analysis System
- Analysis Control Element Block II (ACE BLKII)
- Common Ground Station (CGS)
- Comms LNO
- Counter RCIED Remote Control Improvised Explosive Device (ACS-CREW)/Prophet
- Counterintelligence Human Intelligence Automated Collection and Reporting System (CHARCS)
- DISA Support Element (DSE)
- Distributed Common Ground Station-Army (DCGS-A)
- Firefinder
- Forward Observer System (FOS)
- GRCS
- Instrument Set, Reconnaissance and Surveying (ENFIRE)
- JCREW
- Lightweight Counter Mortar Radar (LCMR)
- Tactical Mission Command (TMC)

DEDICATED SOFTWARE AND SYSTEM SUPPORT SYSTEM FIELDING AND TRAINING

Description:

Deployment Division (DD) Services provide fielding and training support to various Army and DoD customers worldwide. This includes enterprise and business system support wherever the Warfighter is located. DD Services also give the Warfighter organizations continuous program oversight of logistics asset visibility requirements using the latest radio frequency identification technologies.

DD Services is ready to assist Program Managers (PMs) in configuration, integration, systems engineering, system administration, training and deployment of enterprise, business information, logistics and transportation systems worldwide.



DD can provide a System Integration Manager (SIM). The SIM is a Government civilian with a GS-2210 Series (Information Technology Specialist). The SIM serves as the authorized Army Representative of the PM, Product Officer (PO) and/or Program Executive Office Enterprise Information Systems (PEO EIS) during the Deployment Phase of the Integrated Defense Acquisition, Technology and Logistics Life Cycle Management Framework of Automated Information Systems (AIS) to US Army Commands (ACOM), Units and Installations Worldwide. In short, the SIM acts as the Government on-site deployment team leader and POC for the coordination, execution and monitoring of all on-site Deployment Activities.

Capabilities:

- Coordinates and manages deployment schedules for all activities, including hardware delivery and inventory, training classroom(s) set-up/breakdown, software installation, data conversion, test, acceptance, property accountability system issues and recovery of any excess equipment
- At completion of training, coordinates and performs the inventory, packing and prompt shipment of training equipment back to the Systems Integration Facility (SIF) or to another training location
- Resolves conflicts in schedules, training, data conversion and hardware or software errors
- Coordinates on-site maintenance and customer assistance visits, as required
- Serves as liaison/facilitator between Government and Contractors
- Briefs various Army Command (ACOM) Representatives, Installation Staff Elements, Commanders and the PM on the status of the deployment, as required
- Plans, coordinates, schedules and executes Life Cycle Replacement (LCR) HW Refresh actions of AIS, as required
- Provides Deployment Plan and Agreement
- Provides Pre-Deployment/ deployment Schedule
- Represents the PM at all events
- Develops the gaining command or activity Memorandum of Agreement (MOA)
- Establishes deployment dates, duties & responsibilities of all parties involved
- Facilitates activities while in deployment phase
- Conducts deployment team meetings
- Software and Network Integration (Quality Assurance)
- Oversees training and data migration
- Sends out deployment team progress status updates
- Documents lessons learned
- Continues on-site technical support
- Ensures accurate and timely information is disseminated

Customers/Systems:

Customers:

- Business Transformation Agency (BTA)
- Operational Theater Support Directorate (OTSD)
- PdM Joint-Automatic Identification Technology (J-AIT)
- PdM Movement Tracking System (MTS)
- PdM Transportation Information System (TIS)
- PM General Fund Enterprise Business System (GFEBS)
- PM Logistics Information Systems (LIS)

Systems:

- General Fund Enterprise Business System (GFEBS)
- Movement Tracking System (MTS)
- RFID
- Standard Army Ammunition System-Modernization (SAAS-MOD)
- Standard Army Maintenance System (SAMS)
- Standard Army Retail Supply System (SARSS)
- Standard Procurement System (SPS)
- Tactical Fuel Management Defense (TFMD)
- Transportation Coordinator's Automated Information for Movement System II (TC-AIMS II)
- Unit Level Logistics System-Aviation (ULLS-A)

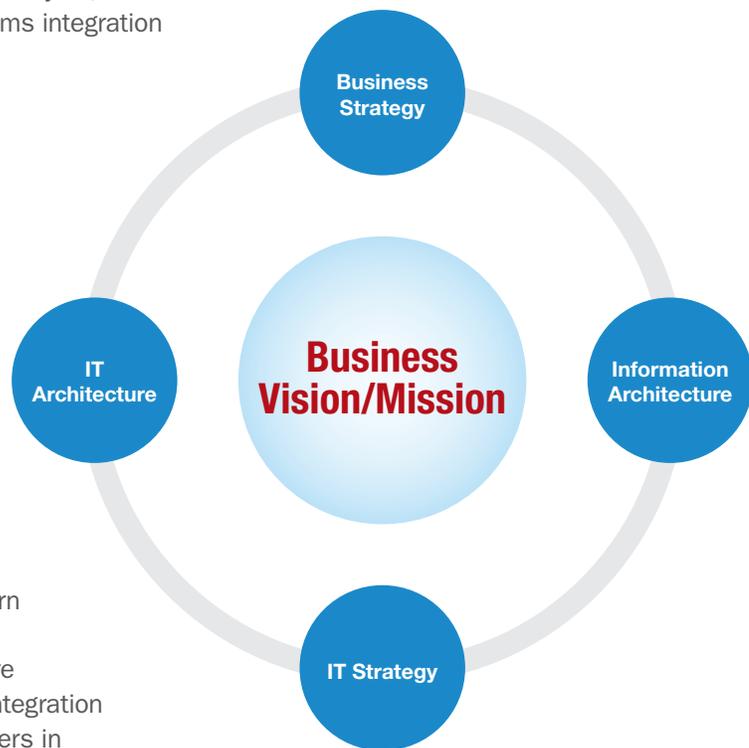
ENTERPRISE SOLUTION ARCHITECTURES AND APPLICATIONS

Description:

Solutions Architecture delivers architecture analysis, information technology strategies and systems integration architectures to Army and DoD customers.

This includes expertise in the mapping of IT solutions to business requirements and the integration of Commercial Off-the-Shelf (COTS) products into existing architectures. They serve as a center of excellence for architecture planning and offer experienced and unbiased expertise, information, support and outreach services to the Army and other DoD components.

Additionally, these services serve as a center of excellence where the user can learn at both the executive and technical levels, delivering full life cycle systems and software engineering, application development and integration support to organizations and project managers in the areas of service oriented architecture, enterprise data management, business intelligence, enterprise data warehousing, enterprise resource planning, knowledge management and portals.



Capabilities:

- **Enterprise Directory Services-Provisioning:** A software solution developed by the SEC Enterprise Solutions Competency Center in support of the Army enterprise directory services to provision user account information, email content and computer objects between non-trusted Active Directory forests.
- **Financial Management Information System:** Provides data warehousing and business intelligence capabilities to deliver dynamic consolidated data from multiple sources via the web. Reduces dependencies on data gathering, promotes information sharing and lowers total cost while reducing risk. Enables staff to work smarter, not harder.

Customers/Systems:

Customers:

- Army (G8)
- Army Materiel Command
- Army Office of the Chief Information Officer (CIO/G6)
- Army Office of the Deputy Chief of Staff for Intelligence (CDCSINT) (Army G2)
- Army Review Board
- Center for Military History
- US Army Communications-Electronics Command (CECOM)
- CECOM, Logistics Readiness Center (LRC)
- Defense Finance & Accounting Service (DFAS)
- Deputy Chief of Staff for Operations
- Foreign Military Sales (FMS)
- Installation Management Command (IMCOM)/Office of the Assistance Chief of Staff for Installation Management (OACSIM)
- Mobile Electric Power Command (MEPCOM)
- PEO Command, Control and Communications—Tactical (3CT)
- PEO Enterprise Information Systems (EIS)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PM Acquisition Business (AcqBus)

Systems:

- Business Intelligence Center of Excellence (BI COE)
- CECOM Command Apps
- Enterprise Directory Services-Provisioning (EDS-P)
- Financial Disclosure Management (FDM)
- Financial Management Information System (FMIS)
- G8 Issue Tracking System (ITS)
- Joint Logistics Analysis Tool (JLAT)
- Performance Review Interface for Managers and Employees (PRIME)
- Personnel Security Investigation Portal
- Personnel Security Investigation Portal (PSIP)
- SharePoint

FIRES

FIRES SYSTEMS

Description:

The Fires Software Engineering Division (FSED) serves as the primary software interface between the U.S. Army Joint Fires Center of Excellence Doctrine Proponent and School and the Army Materiel Command.

FSED provides Life Cycle Software Engineering (LCSE) services, management and support for Fires programs to include all activities necessary to ensure the reliability, maintainability, interoperability and configuration integrity of the software components under development and systems deployed to units worldwide.

Under the Fires Domain that FSED maintains tactical software for, there are five major areas that are known as the five requirements for accurate and predicted fires. Those requirements are:

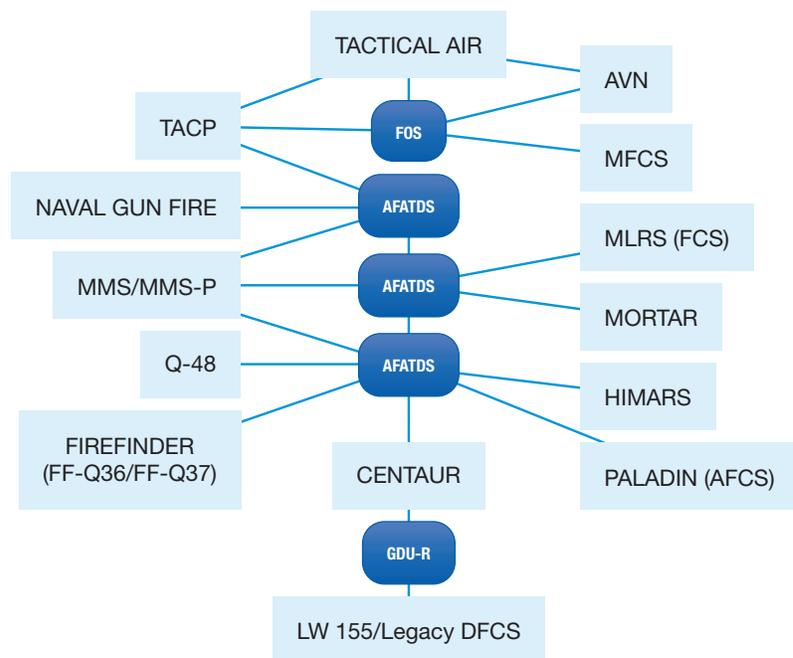
1. Accurate Target Location
2. Multi-Launch Rocket System (MLRS)
3. Accurate Weapon and Ammunition Information
4. Meteorological Information
5. Accurate Computational Procedures

FSED provides support to PMs with a one stop shop capability for complete software life cycle development and sustainment. PMs can utilize FSED in the upfront technical assessment as well as development utilizing the PM's R&D resources to help them accomplish their assigned goals and mission. In addition to this, FSED acts as the Army's sustainment activity for those same products through the Post Deployment Software Support (PDSS) process as it takes on the Post Production Software Support (PPSS) responsibility for those products once the software is transitioned. FSED currently supports the following programs:

1. FOS: PEO C3T, PM MC, PdM FSC2/PEO GCS, PM HBCT/PEO Soldier and PM SWAR are the material developers for the various hardware software configurations that the Forward Observer Software is designed for. The Forward Observer Software is an application that provides the 13F Forward Observer the capability of visualizing the battlefield for situational awareness, deriving precision target coordinates as well as a digital means of communication for sending fire missions to the field artillery command and control chain. One of the latest achievements FSED has accomplished is the integration of the precision strike suite with the FOS that fulfilled a need from theater to obtain accurate target locations for the latest precision munitions being deployed by the field artillery. FSED provides acquisition support and performs PPSS for the FOS program.
2. AFATDS: PEO C3T, PM MC, PdM FSC2, is the material developer for the Advanced Field Artillery Tactical Data System (AFATDS). AFATDS is the primary command and control system used in the Field Artillery. The AFATDS stores firing unit locations and some basic weapon information in order to make a determination on what the most appropriate firing option would be for the given target. It also stores weapon location data, ammunition information and meteorological information in order to compute firing data for the guns for light systems, or issues firing commands for automated systems, such as the Paladin and MLRS. AFATDS also provides a command and control map capability as well as fire control graphics and commander's criteria for mission and target engagement prioritization. FSED provides acquisition support and performs PPSS for the AFATDS program.
3. JADOCS: The Joint Automated Deep Operations Coordination System (JADOCS) is a joint warfighting application that provides Warfighters with a combination of tools, services and mission managers

to bridge capability gaps identified by Combatant Commands (COCOMs) and service commanders. Warfighters utilize JADOCs capabilities to focus target processing, and effectively coordinate synchronized execution across different spectrums starting from the battalion to the Joint Force headquarters and COCOMs based on the operational situation. FSED provides acquisition support and performs PPSS for the JADOCs program.

4. Centaur: PEO C3T, PM MC, PdM FSC2, is the material developer for Centaur. Centaur is the digitized automated backup system for AFATDS. Centaur provides the minimal set of capability needed to provide a digital fire direction capability. It is also used as an early entry capability for light units to establish an initial digital firing capability in early entry operations. FSED provides acquisition support and performs PPSS for the Centaur program.
5. GDU-R: PEO C3T, PM MC, PdM FSC2, is the material developer for the Gun Display Unit—Replacement. The GDU-R is a digitized fire control system used at Gun locations on gun systems that do not have an existing digitized capability. It is currently used on the M119 Light 105MM howitzers, as well as the M777 Lightweight 155MM non-digitized howitzers. FSED provides acquisition support and performs PPSS for the GDU-R program.
6. Weapon Locating RADARS: PEO M&S, PM CMD, PM RADAR, is the material developer for RADARs. These RADAR Systems are used to detect enemy indirect fire systems that are being used to engage friendly troops. The information derived by these systems is then passed to the AFATDS command and control system in order to engage and eliminate these enemy indirect fire assets. FSED provides acquisition support and performs PPSS for the Q36, Q37 and Q48 radars.
7. MMS-P: PEO C3T, PM MC, PdM FSC2/PEO IEW&S, PM MaTIC, are the material developers for MMS-P (this program is in the process of moving from PM MaTIC to PM FSC2). This is the Meteorological Measuring system used to provide AFATDS the weather data required in fire mission processing. Accurate weather data is key in determining how accurate indirect fires will be under a specific set of weather conditions. FSED provides acquisition support and performs PPSS for the MMS-P program.



Customers/Systems:

Customers:

- Army Test and Evaluation Command (ATEC)
- PdD Counter Rocket, Artillery and Mortar (C-RAM)
- PdM Fire Support Command and Control (FSC2)
- PdM Mission Command (MC)
- PdM RADARS
- PM Combat Ammunition Systems (CAS)
- PM Heavy Brigade Combat Team (HBCT)
- PM Meteorological and Target Identification Capabilities (MaTIC)
- PM Paladin
- PM Soldier Warrior (SWAR)
- Security Assistance Management Division (SAMD)
- United States Air Force
- United States Marine Corps
- United States Navy

Systems:

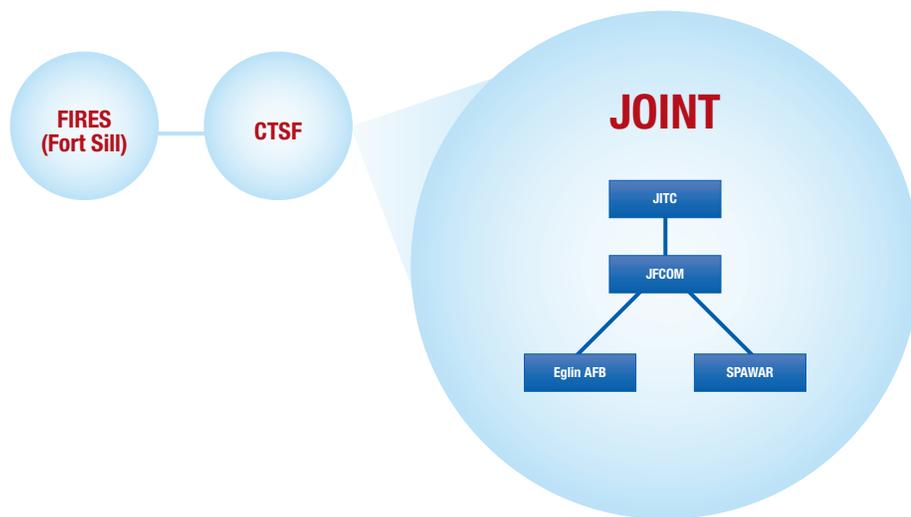
- Advanced Field Artillery Tactical Data System (AFATDS)
- AN/TPQ-48 Computer Based Training (CBT) Integrated Electronic Technical Manual (IETM)
- AN/TPQ-53
- CENTAUR
- Computer Meteorological Data-Profiler (CMD-P)
- DPSS-Scene Matching
- Fire Finder AN/TPQ-37/AN/TPQ-36/AN/TPQ-48
- Forward Observer System (FOS)
- Gun Display Unit—Replacement (GDU-R)
- Joint Automated Deep Operations Coordination System (JADOCS)
- Meteorological Measuring Set-Profiler (MMS-P)
- Precision Strike Suite—Special Operations Forces (PSS-SOF)
- TAC-P CAS

FIRES
ARMY FEDERATED NET-CENTRIC SITE (FANS)
Description:

Fires Software Engineering Division is the Army's third lab and testing facility, certified by the Office of the Chief Information Officer (CIO/G6) as a Army Federated Net-Centric Site (FaNS). Tremendous gains in cost reduction and efficiency of effort and resources are gained through FaNS implementation.

FaNS is a federation of existing Army and joint facilities networked together to execute horizontal integration and testing of battlefield automated systems. This network is used to supplement facilities and missions, such as those conducted at the Army's Central Technical Support Facility (CTSF).

CTSF can leverage FaNS to execute distributed risk reduction, test-fix-test and Army Interoperability Certification (AIC) testing; maintain configuration control of the certified baseline for all mission areas/ domains; and coordinate and synchronize the needs, activities and efforts of the supporting and supported communities.


Capabilities:

- Concurrently support multiple and potentially disparate testing/ integration efforts
- Expands AIC testing capability and capacity
- Leverages existing facilities and subject matter expertise
- Allows for cost and schedule efficiencies via distributed AIC
- Distributed troubleshooting
- Horizontal system of systems integration and testing

Customers/Systems:
Customers:

- Central Technology Support Facility (CTSF)
- PdM Fire Support Command and Control (FSCC)

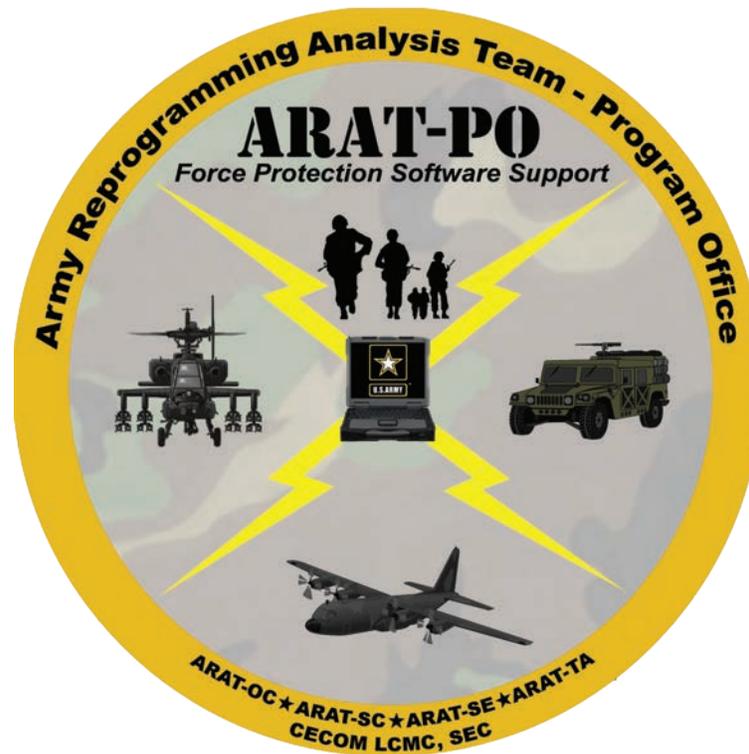
Systems:

- Fire support systems
- Mission command systems

FORCE PROTECTION SOFTWARE

Description:

The Army Reprogramming Analysis Team-Program Office (ARAT-PO) maintains an infrastructure that performs all aspects of software/threat reprogramming for all Army ground and airborne force protection as well as electronic warfare systems in support of electronic protection, attack and warfare support in accordance with Regulation 525-15 (AR525-15) (Software Reprogramming).



Capabilities:

- New/updated software threat databases implemented in force protection systems
- Operational Software Systems updates correcting deficiencies or implementing enhancements
- Secure portals for dissemination of threat software updates and user feedback
- On-site liaison support for project and product managers, user representatives, training organizations and Department of the Army Office of the Deputy Chief of Staff for Personnel (G3) Electronic Warfare Division
- Various tools and resources developed through ARAT Research and Development program supporting testing and loading software in the field

Customers/Systems:

Customers:

- Army Materiel Command
- Foreign Military Sales
- Headquarters Department of the Army (HQDA), Army or Marine Corps component operations staff officer (G3), Office of the Deputy Chief of Staff for Logistics (ODCSLOG) (G4) & Office of the Deputy Chief of Staff for Programs (G8)
- Office of the Secretary of Defense (OSD)
- PdM Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW)
- PEO Aviation
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- Special Operations Aircraft Regiment (SOAR)
- Training & Doctrine Command (US Army)
- United States Army Reserve (USAR)/Army National Guard (ARNG)
- United States Air Force
- United States Marine Corps
- United States Navy

Systems:

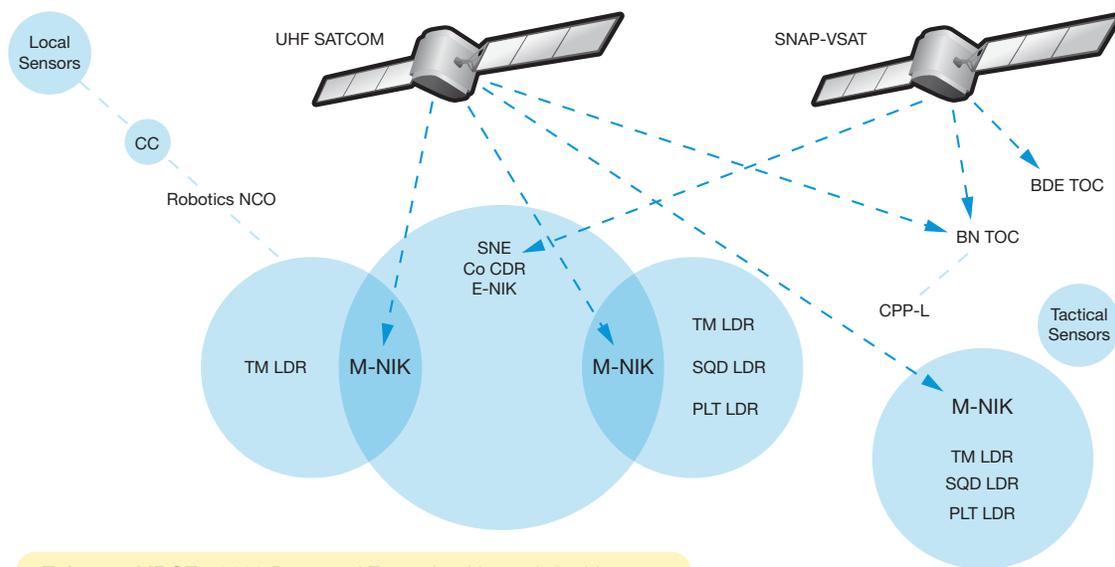
- Common Missile Warning System (CMWS) AN/AAR-57(V)
- Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW)
- Hostile Fire Detection System (HFDS)
- Laser Detector Sets (LDS)–AN/AVR-2/2A/2B
- Radar Frequency Interferometer (RFIS)–AN/APR-48(V)
- Radar Warning Receivers: AN/APR-39(V)2; AN/APR-39A(V)1/4; AN/APR; 39B(V)2; AN/APR-39A(V)X

FUTURE FORCE MODERNIZATION

Description:

Future force technology provides cross-program executive office acquisition, engineering, technology integration and evaluation support to Brigade Combat Team Modernization (BCTM) and Unified Mission Command (UMC) engineering and operational evaluation. This includes System Of Systems Common Operating Environment-based Tactical Operations Center (SOSCOE-based TOC), platform and dismount network integration capabilities; Mission Command (MC) integration with unnamed Intelligence, Surveillance and Reconnaissance (ISR); Joint, Interagency and Multinational Interoperability (JIMI); Net-ready KPP/Global Information Grid (GIG) interoperability; Multi-Launch Rocket System; performance key indicators and cross-domain security engineering and evaluation.

Future force technology provides PEO Integration and PEO Soldier (in coordination with PEO C3T) full life cycle requirement, design, development, testing and sustainment planning engineering, primarily for acquisition of mobile dismounted and platform mission command/C4ISR capabilities, including engineering of interfaces with TOC/GIG assets.



Capabilities:

- Network and networked system integration and interoperability of brigade-and-below current force and future systems
- Integration and evaluation of UMC technologies supporting Army BCT modernization
- IBCT network integration providing rapid vertical and horizontal dissemination of situational awareness, sensor data and collaboration between dismount, platform and command post/tactical operation centers
- JIMI experimentation engineering, execution and evaluation
- SOSCOE-based Net Ready KPP/GIG integration
- Cross C4ISR PEO product and system of systems engineering and evaluation: integration, Soldier and C3T

Customers/Systems:**Customers:**

- PEO Command, Control and Communications—Tactical (C3T)
- PEO Integration: HQ, Combined Test Organization (CTO)
- PEO Soldier
- PM Network Systems Integration (NSI) Office of Chief Engineer (OCE), PdMs Mission Command (MC), ISR, JIMI
- PM Soldier Warrior
- RDEC: Future Warrior Technology Insertion ATO

Systems:

- PEO Integration:
 - SOSCOE
 - Man-Packable Network Integration Kit (M-NIK)
 - Common Controller
 - EIBCT Spin Out Increment 1
 - Mission Command Software (including SOSCOE)
 - TOC Edge Node/UBC prototypes
- PEO Soldier
 - Land Warrior/Ground Soldier Ensemble

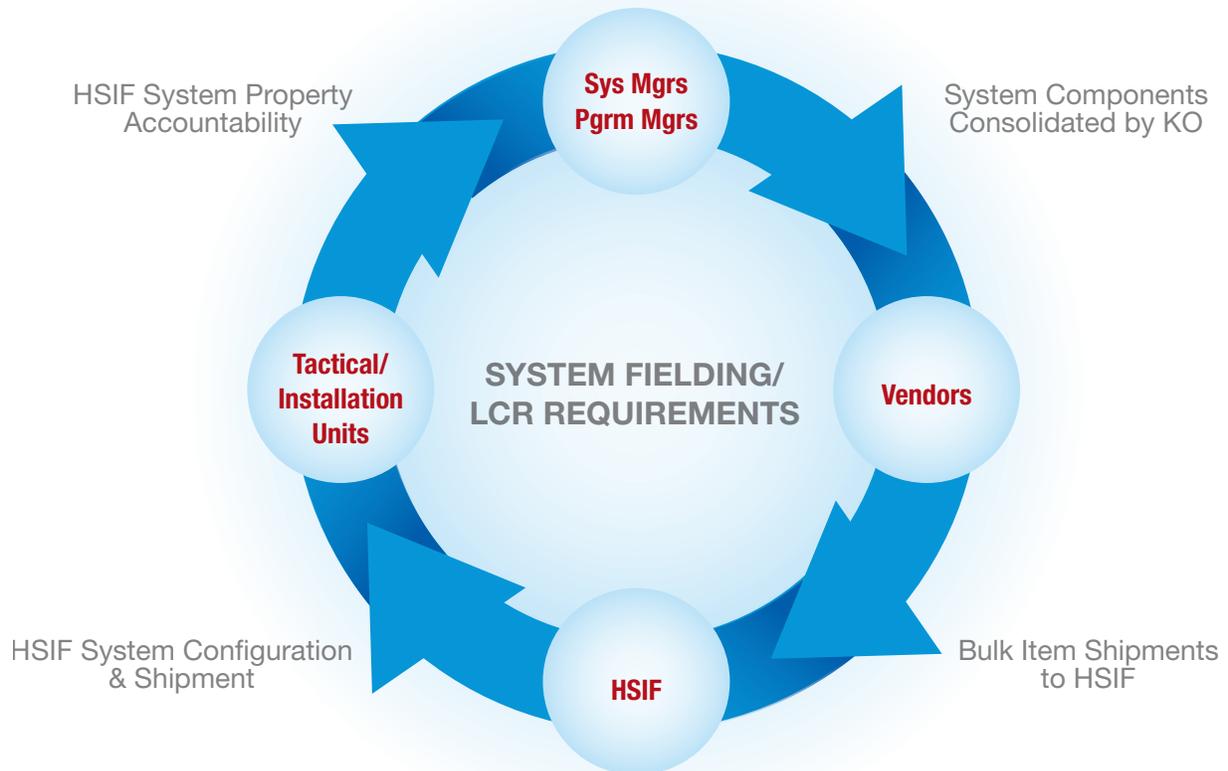
HARDWARE/SOFTWARE INTEGRATION FACILITY

Description:

The Hardware Software Integration Facility (HSIF) is a logistical support facility that utilizes cutting edge methodology and technology to ensure its customers receive equipment that is fully functional in the integration of hardware, software and supporting peripherals. The HSIF receives, integrates, stores and ships to locations worldwide in support of initial fielding, lifecycle replacement, training and direct exchange.

As directed by the System Managers and Customer Product Managers, the HSIF can support special requests based on the customer's needs and requirements. The HSIF's state of the art Warehouse Management System (WMS) gives 100 percent accountability and tracking capabilities to ensure the customer's product is received, stored, integrated and shipped to its designated location on time.

The HSIF ensures property accountability by entering systems and prime components into Property Book Unit Supply Enhanced (PBUSE) and processing lateral transfers for shipped equipment. If requested, equipment can be processed and accounted for through Wide Area Work Flow (WAWF).



Capabilities:

- Deliver Tactical Logistics Systems (TLS) to new units for:
 - Supply and warehousing management
 - Property accountability and unit supply
 - Tactical maintenance management (ground and air)
 - Ammunition supply management
 - Financial system's platform life cycle management
 - Global financial and logistics management
- Deliver TLS components to support system Logistics Readiness Center schedule
- Deliver TLS prime components to Tobyhanna Army Depot forward repair activities to ensure timely field/sustainment maintenance support of TLS systems

Customers/Systems:**Customers:**

- External PMs and internal system managers of listed systems

Systems:

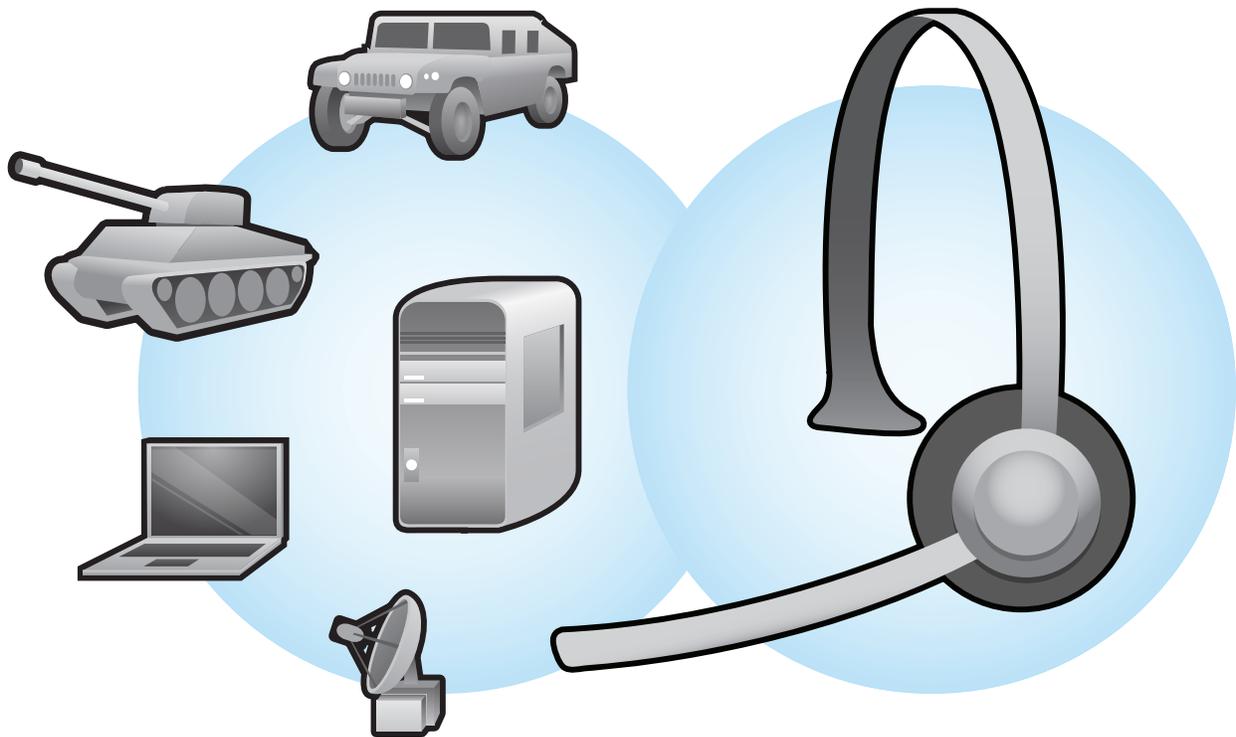
- Automated Management and Identification Solutions (AMIS)
- Financial Management Tactical Platform (FMTP)
- Global Combat System Support-Army (GCSS-A)
- Joint Battle Command- Platform (JBC-P)
- Property Book Unit Supply Enhanced (PBUSE)
- Standard Army Ammunition System-Modernization (SAAS-MOD)
- Standard Army Maintenance System Enhanced/Installation Enhanced (SAMS E/IE)
- Standard Army Retail Level System-1 (SARSS-1), SARSS-2AC/B
- Unit Level Logistics System-Aviation Enhanced (ULLS-AE)

HELP DESK FOR LOGISTICS SYSTEMS

Description:

The customer support office provides twenty-four/seven tier one and targeted tier two functional and technical help desk support to field users of SEC sustained systems and in support of customer program/project/product (PM/PdM) systems. The office maintains a record of all Help Desk Tickets (HDT) in an automated tracking system.

The customer support office supports SEC and customer PMs' actions to resolve user problems and system faults and assists in preparing Engineering Change Package–Software (ECP-S) proposals and maintain the HDT/ECP-S database to support logistics domain configuration control board assessment and approval of interim change packages/system change packages requirements.



Capabilities:

- Provide Soldiers with twenty-four/seven tier one support to assist in the functional employment of assigned systems
- Provide targeted tier two support to assist in the functional employment of assigned systems
- Help Soldiers and commands document flawed system processes or new functionality requirements as ECP-S proposals to initiate the configuration control board process

Customers/Systems:**Customers:**

- All tactical and installation fixed-based system users
- Combined Army Support Command (CASCOM) and Configuration Control Board (CCB) stakeholders
- SEC System Managers and Customer PMs

Systems:

- Army Contracting Business Intelligence System (ACBIS)
- Army Food Management Information System (AFMIS)
- Integrated Facilities System (IFS)
- Property Book Unit Supply Enhanced (PBUSE)
- SAMS-E/IE
- SARSS-2AC/B
- Standard Army Ammunition System-Modernization (SAAS-MOD)
- Standard Army Retail Level System-1 (SARSS-1)
- Standard Procurement System (SPS)
- Unit Level Logistics System-Aviation Enhanced (ULLS-AE)

INFORMATION MANAGEMENT

Description:

Information Management functions as the center of development, adoption and implementation efforts of the Army’s net-centric data evolution. The Enterprise Solutions Directorate (ESD) provides common Army-wide data products and services that are critical for the successful migration from current “point-to-point” data exchange to a net-centric “many-to-many” exchange of information. ESD also supports the Army enterprise transformation through data engineering, data modeling, Communities of Interest (COI) data support, configuration management, service oriented architecture and data validation support.

NET CENTRIC DATA STRATEGY	RELATIONSHIP BETWEEN DATA AND SOA STRATEGIES	
Net-Centric Approach	Governance	Implementation
Tag and Post Data for Visibility	Policies, Processes	IESS Specifications
To Catalogs and Shared Spaces for Accessibility	COI Structures	ADS
Using Common Vocabulary for Understandability	Data Management	Federated Models
Common Data Schema for Interoperability	Harmonization	Ontologies
Common Authoritative Data Sources for Trust	Repository	Data Services Layer
Communities of Interest to Develop and Manage the Common Approach	IESS Certification & Validation	Data Abstraction
	Namespace Management	Data Mediation
	Service Portfolio Management	Data Discovery and Access
	Service Life Cycle	SOA Foundation
	Service Metrics	Security
		Service Discovery
		Messaging
		Orchestration
		...

DATA STRATEGY AND SOA ROLES IN DATA EXCHANGE

NET-CENTRIC DATA STRATEGY IN ACTION

Capabilities:

- Perform data engineering and analysis in support of systems migration to net-centricity. This includes:
 - Development of data products such as logical data models (OV-7) and data dictionaries (AV-2)
 - Development of service oriented architecture framework, Universal Core (UCORE) based schemas and data services/client implementation
- Provide data engineering support for COIs and domains in developing and piloting their information exchange standards to achieve data sharing and ensure interoperability. Lead the data working group for the development of data products
- Promote data harmonization by developing data governance processes, tools and supporting Army and Joint working groups
- Provide data validation and compliance support with Army standards such as UCORE and joint consultation, command and control information exchange data model (JC3IEDM)
- Provide registry of authoritative data sources and architectures to developers and data consumers

Customers/Systems:

Customers:

- Army Office of the Chief Information Officer (CIO/G6)
- Assistant Secretary of Defense Networks and Information Integration
- Biometrics Task Force
- PEOs/PMs/PdMs
- Strategic Command (STRATCOM)

Systems:

- Army Data Framework
- Army Data Services Layer
- Authoritative Data Sources
- Biometrics Data Sharing COI
- Common Data Services Framework
- Data Strategy Reference Architecture
- DoD Architecture Repository
- Enterprise Data Sharing Initiative
- Schema Repository
- Suicide Mitigation Initiative

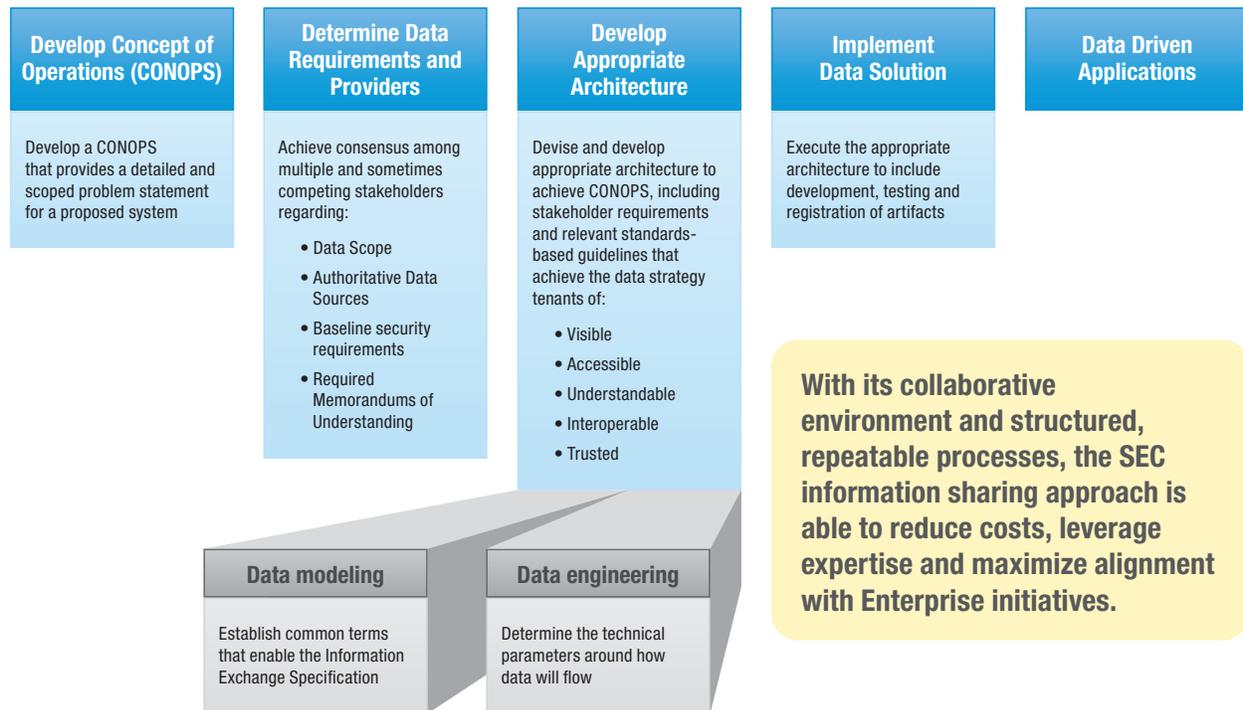
INFORMATION MANAGEMENT SERVICES AND SUPPORT

Description:

The Software Engineering Center is uniquely qualified to function as a change agent, integrating information sharing and data interoperability principles across the Army and Department of Defense (DoD) through its information management services and a robust portfolio of tools, services and processes for various computing environments.

The SEC is chartered as the Army Net-Centric Data Strategy Center of Excellence (ANCDS CoE) by the Headquarters Department of the Army (HQDA Chief Information Officer/G-6). The ANCDS CoE offers users a singular resource for assistance, resource-saving tools, training, effective governance and development resources for all information sharing and data interoperability activities.

Under the auspices of the ANCDS-CoE, our team of subject matter experts in software development make us an ideal technology partner to help organizations bridge the gap between Army and DoD data strategy policy, guidance and implementation. Our capabilities include Data Governance, Data Architecture, Data Engineering, Data Interoperability, Data Services (Service Orientated Architecture), Data Security and Data Validation. Our capabilities and subject matter experts enable us to actively support and/or manage programs and initiatives across the Army Enterprise domains to develop HQDA guidance compliant solutions to the Army's toughest data challenges.



Capabilities:

- Establish, in conjunction with the CIO/G-6, the business rules, guidelines and reference architectures that enable the Army and DoD data strategy:
 - Army Information Architecture
 - Army Data Framework
 - Information Exchange Specifications
- Provide technical thought leadership, expertise and data products to achieve information management objectives:
 - Develop conceptual, logical and physical data models and data dictionaries
 - Develop ontologies for semantic interoperability
 - Develop service orientated architecture frameworks, schemas and data services
 - Support and/or coordinate Communities of Interest, Working Groups and domains to develop Information Exchange Specification standards to achieve data sharing and ensure interoperability
 - Support registry of authoritative data sources and architectures for re-use by developers and data consumers
- Develop and distribute several tools and processes to help organizations understand, adopt and implement Army data strategy business rules and guidelines:
 - Army Information Architecture Assessments
 - Common Data Services Framework
 - Services Security System
 - Compliance Test Kit
- Provide agile software development services to work with organizations across the Army and DoD domains to deliver interoperable data solutions quickly

Customers/Systems:**Customers:**

- Army Analytics Group
- Defense Forensics and Biometrics Agency (DFBA)
- Headquarters Department of the Army (HQDA) G-1
- HQDA G-2
- HQDA G-3/5/7
- HQDA Chief Information Officer/G-6
- IMCOM
- OACSIM
- PEOs/PMs/PdMs

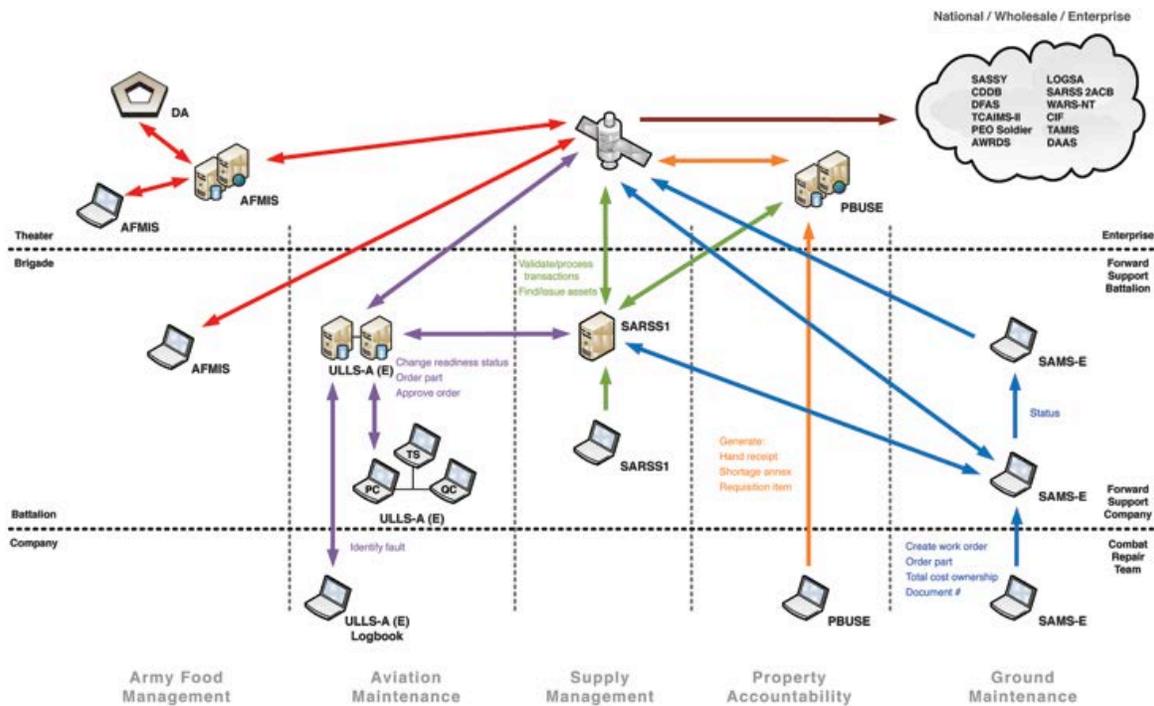
Systems:

- Biometrics Application Profile Registry (APR)
- Commander's Risk Reduction Dashboard (CRRD)
- Condition Based Maintenance Plus (CBM+)
- Enterprise Content Management Collaboration Services
- Enterprise Management Decision Support (EMDS)

INTEGRATION TEST LABORATORY

Description:

The Systems Integration Laboratory (SIL) is a highly configurable test environment capable of providing requirement based scenarios, independent analysis and metrics. The lab captures discrepancies, malfunctions and errors accurately and quickly in the Sustainment Support System for the Single Interface to the Field (S4IF). The three major areas of responsibility at the SIL are testing, providing for rapid integration of dissimilar hardware and software through real-time interaction with soldiers; information technology maintaining the expertise of design, setup and lab reconfiguration to ensure realistic test environments; and configuration management that identifies processes and procedures to manage hardware, software and test documentation artifacts.



Capabilities:

- Ensure Soldiers receive systems that are thoroughly tested for functional and technical effectiveness
- Provide a complete tactical logistics systems/movement tracking system landscape to evaluate new requirements and doctrinal employment concepts
- Provide capabilities to support all test preparation, such as the creation of scenarios and storyboards
- Has its own Authority to Operate (ATO)
- Support Government Acceptance and Interoperability Testing (GAIT) of Army Logistics Systems
- Provide supply support to Sustainment Support System for the Single Interface to the Field (S4IF)
- The lab is able to provide connections for integration testing via very-small-aperture terminal (VSAT) to Non-classified Internet Protocol (IP) Router Network (NIPERNET) and (VSAT) to Local Area Networks (LAN).

Customers/Systems:**Customers:**

Current

- Aviation
- Combined Arms Support Command Sustainment Center of Excellence (CASCOM/SCOE)
- Ordnance
- Product Manager (PM)
- Quartermaster
- Transportation

Systems:

Current

- Property Book Unit Supply Enhanced (PBUSE)
- Standard Army Retail Supply System (SARSS)
- Standard Army Maintenance System Enhanced/Installation Enhanced (SAMS-E/IE)
- Standard Army Ammunition System-Modernization (SAAS-MOD)
- Unit Level Logistics System-Aviation Enhanced (ULLS-AE)

Future Additions

- Transportation Coordinator's Automated Information For Movements System (TC AIMS)

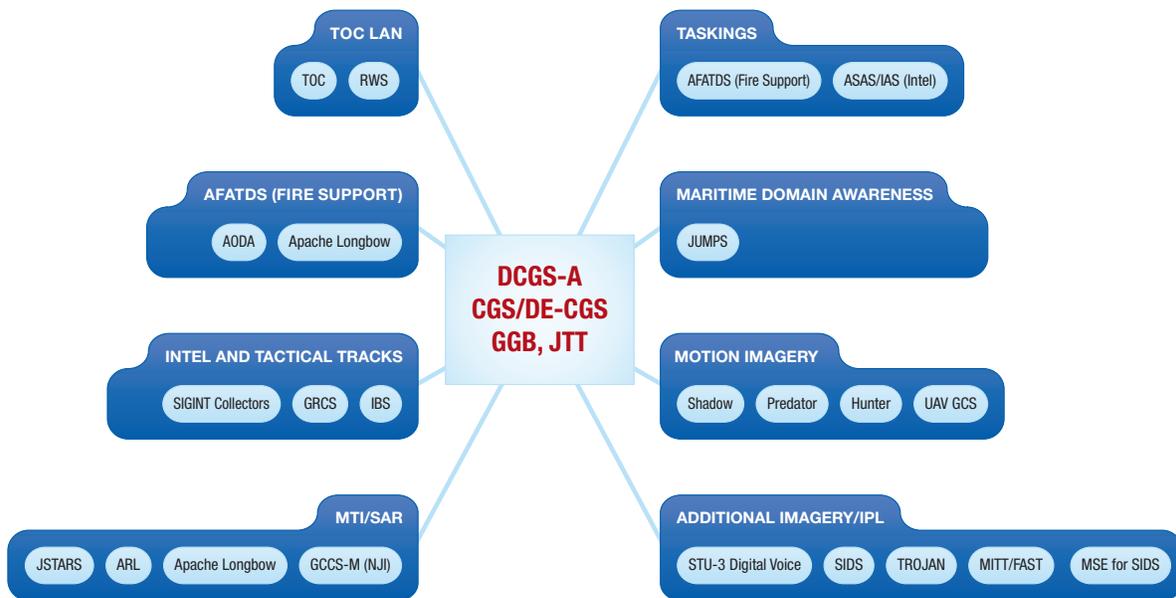
INTELLIGENCE AND INFORMATION SOFTWARE SUPPORT

Description:

Intelligence and Information Software Support capabilities supply software engineering support for intelligence and information systems providing multi-intelligence exploitation and automated distribution of airborne and ground intelligence; imagery data; signals intelligence; control of intelligence surveillance and reconnaissance sensor systems; and intelligence correlation and synchronization.

These capabilities provide acquisition and transition of technologies support for maritime domain awareness as well as software license fee cost reduction solutions to include centralized license management, quantity reduction of software licenses, configuration alternatives and software package replacement.

Software support includes developing, building, testing and fielding configuration control-board-approved software version releases to the field, providing assistance to the field through investigation and correction of reported field problems, technical support, acquisition support, computer-based training and information assurance.



Capabilities:

- Provide Multi-intelligence (Multi-INT) and situational awareness
- Multi-INT (Signals Intelligence (SIGINT), Communications Intelligence (COMINT), Measurement and Signature Intelligence (MASINT), etc.) collection
- Multi-INT analysis
- Multi-INT dissemination
- Tactical integrated broadcast service networks radios
- Oversees and/or participates in small business innovation research (SBIR) contracts developing new technologies that can be transitioned to the user, which allow the Warfighter to ascertain enemy intentions in advance of the battle; and in the event of battle, possess the technical advantage

Customers/Systems:**Customers:**

- National Geospatial-Intelligence Agency (NGA)
- PdM Distributed Common Ground Station—Army (DCGS-A)
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PM Signal Warfare (SW)
- Rapid Equipping Force
- Space & Naval Warfare Systems Command (Navy) (SPAWAR)
- United States Air Force (USAF)
- United States Army Intelligence & Security Command (INSCOM)
- United States Marine Corp (USMC) Marine Expeditionary Force
- Washington Headquarters Services (WHS)

Systems:

- Airborne Reconnaissance Low (ARL)
- Common Ground Station (CGS)
- Distributed Common Ground System—Army (DCGS-A)
- Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS)
- Guardrail Common Sensor/Guardrail Ground Baseline (GRCS/GGB)
- Joint Tactical Terminal—Briefcase (JTT-B)
- Joint Tactical Terminal—Integrated Broadcast Service (JTT-IBS)
- Joint Tactical Terminal—Senior (JTT-SR)
- Joint Unified Maritime Protection System (JUMPS)
- Tactical Signals Intelligence (SIGINT) Payload (TSP)

INTELLIGENCE FUSION SYSTEMS

Description:

Intelligence Fusion Systems Division (IFSD) provides life cycle software engineering support for intelligence geospatial systems. This support includes software development and sustainment, independent verification and validation, technical support, acquisition support, training support and DoD information assurance certification and accreditation processes. IFSD also provides cross-domain solutions and services for coalition interoperability in both security and data exchange development and sustainment.

IFSD maintains and utilizes complex laboratories that provide fully functional, intra-operability and interoperability testing of intelligence and geospatial systems. These test labs also support multi-faceted communications testing. The lab system consists of a sensitive compartmented information test facility, collateral test facilities and unclassified test facilities as well beta test facilities.



Capabilities:

Provide a wide range of Intelligence, terrain and weather support for the battlespace:

- Actionable intelligence production
- All-source intelligence fusion and dissemination
- Intelligence/Electronic Preparation of the Battlefield capabilities
- Counterintelligence collection, analysis and reporting
- Target processing and recommendation
- Geospatial and weather analysis
- Terrain reconnaissance, survey and obstacle analysis and reporting
- Multiple levels of secure communication
- Record messaging processing and tracking
- System Information Assurance (IA)
- System of Systems (SoS) Interoperability

Customers/Systems:

Customers:

- Army Space Program Office (ASPO)
- Department of the Army Deputy Chief of Staff for Intelligence (DA DCSINT)
- PD Counterintelligence Human Intelligence Automated Collection and Reporting System (CHARCS)
- PdM Combat Terrain Information System (CTIS)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- PM Distributed Common Ground Station–Army (DCGS-A)
- Training & Doctrine Command (TRADOC) Capabilities Manager (TCM)–Maneuver Support Center
- US Army Training and Doctrine Command (TRADOC) Capabilities Manager (TCM) Sensor Processing
- United States Army Intelligence & Security Command (INSCOM)

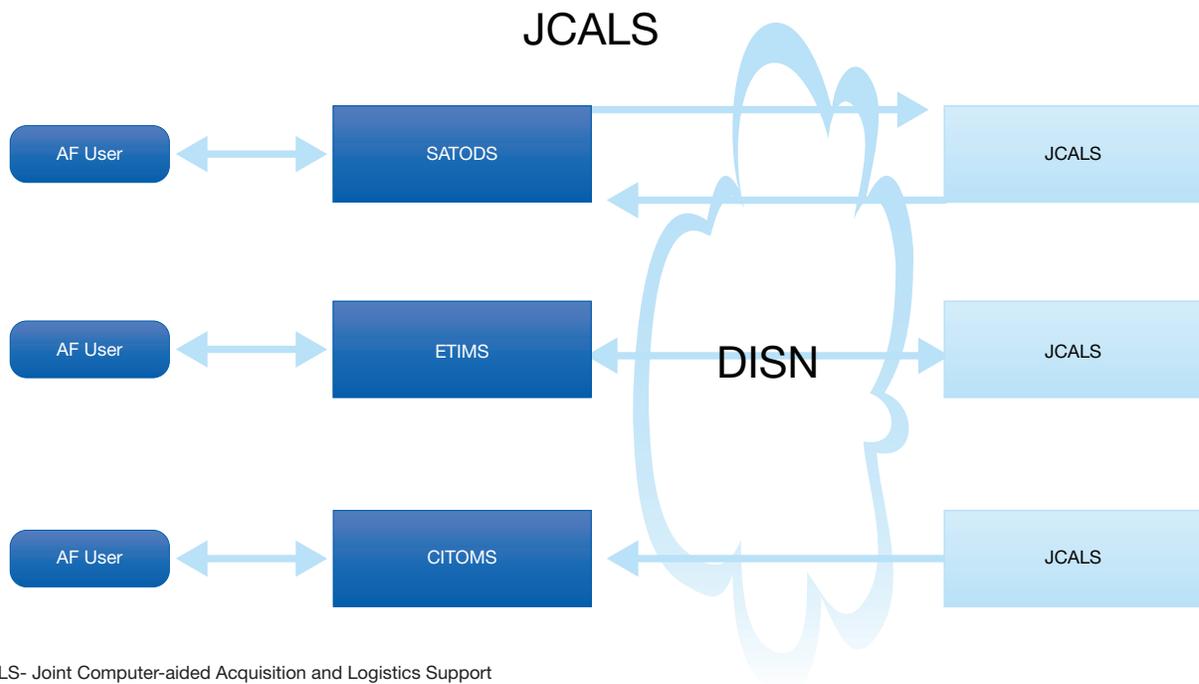
Systems:

- All Source Analysis System-Analysis Control Element Block (ASAS ACE BLK II)
- ASAS Single Source (SS)
- Counterintelligence and Human Intelligence Automated Reporting and Collection System (CHARCS)
- Distributed Common Ground System–Army (DCGS-A) V3 and Fixed
- Instrument Set, Reconnaissance and Surveying (ENFIRE)

JOINT COMPUTER-AIDED ACQUISITION AND LOGISTIC SUPPORT (JCALS)

Description:

Providing Warfighter support through a shared data environment, Joint Computer-Aided Acquisition and Logistic Support (JCALS) implements and executes logistics and acquisition functional processes. JCALS incorporates an information management infrastructure that provides connectivity and digital data management middleware that supports logistics and acquisition business areas.



JCALS- Joint Computer-aided Acquisition and Logistics Support
 SATODS- Security Assistance Technical Order Data System
 ETIMS- Enhanced Technical Order Information Management System
 CITOMS- Comprehensive Integrated Technical Management System

Capabilities:

- Increases accuracy of data in Joint Technical Manuals (JTM)s
- Helps military/civilians obtain new and revised Technical Manuals (TM)/Technical Orders (TO)
- Supports development and proliferation of electronic TMs for use by service members
- Improves readiness through transparent access to technical data regardless of location

Customers/Systems:

Customers:

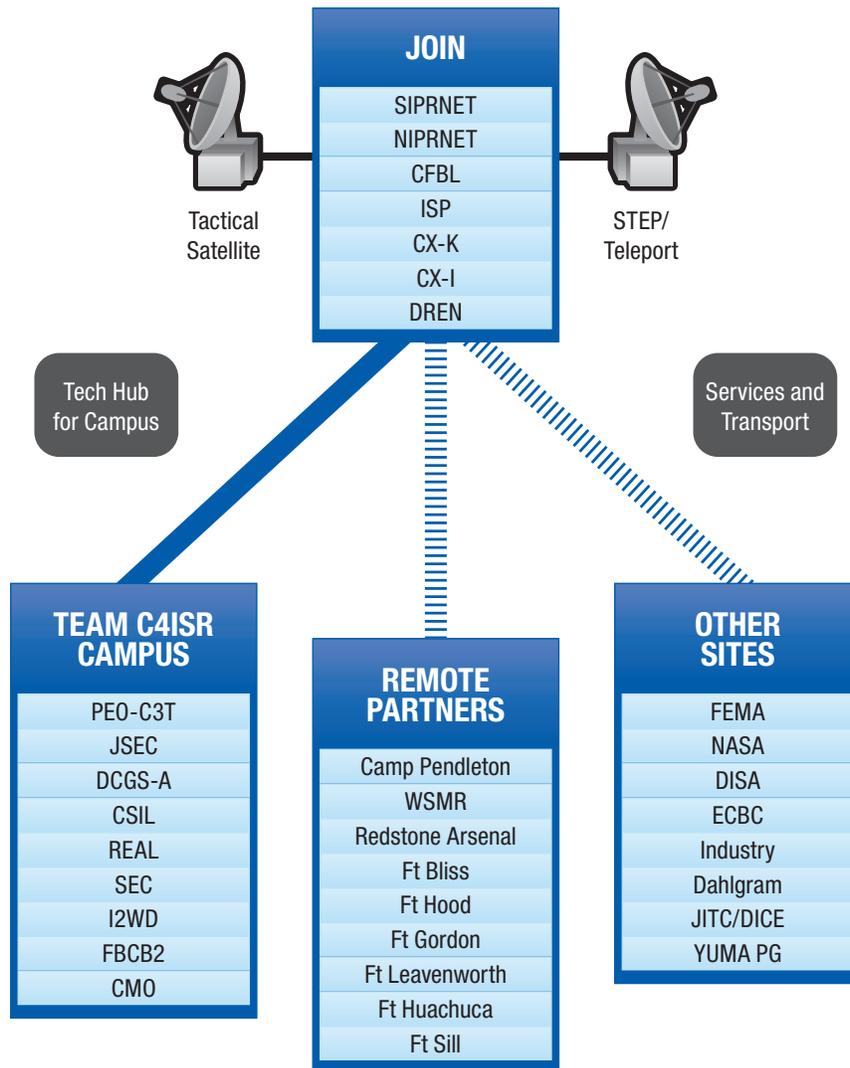
- Air Force Comprehensive Integrated Technical Order Management System (CITOMS) Technical Order Management
- Air Force Enhanced Technical Information Management System (ETIMS) Technical Order Requisitioning
- Air Force Security Assistance Technical Order Distribution System (SATODS) Foreign Military Sales Technical Management Transaction Processing
- Air Force Technical Order (TO) Life Cycle Management

JOINT ON-DEMAND INTEROPERABILITY NETWORK (JOIN)

Description:

The Joint On-demand Interoperability Network (JOIN), fielded by CECOM's Software Engineering Center (SEC), provides an uninterrupted 24/7 Distributed Test Environment (DTE) across geographical boundaries, accessing any location in the US, Alaska, Hawaii and OCONUS. JOIN provides a technical hub at Aberdeen Proving Ground that allows Team C4ISR to connect to each other, as well as to external sites, leveraging existing resources and capabilities for real and measurable efficiencies.

JOIN has two primary missions, first and foremost is direct support to the Warfighter by providing the resources and networks to emulate a deployed environment in which to train, validate, and assess systems prior to deployment. The second is support to the acquisition community by providing a DTE in support of an Agile Process. JOIN consists of networks such as; SIPR, NIPR, Defense Research and Engineering Networks (DREN), Combined Federated Battle Lab (CFBL), CENTRIX-International Security Assistance Force (ISAF), CENTRIX-Korea (CENTRIX-K), internet and other networking capabilities.



JOIN BENEFITS

- C4ISR networking hub:
 - Connections to major C4ISR labs
 - Maximize fiber usage by aggregating network traffic
- Connect local/remote labs via SIPRnet, NIPRNet, DREN, SATCOM, CX-I, CX-K, etc.
- Effective use of bandwidth
- Share Resources, SIPR, NIPR etc...
- Centralize Management
- Centralize Network Support
- Reduce Risk of Network Vulnerabilities

JOIN enables faster and more cost-effective communications support at all echelons of the command, ensuring that the Warfighter has access to the latest technology. Further, JOIN inserts requirements into Department of Defense doctrine and policy to mitigate interoperability issues and to produce best-fit solutions in support of the Warfighter.

JOIN has the capability to quickly configure customer specific network mission threads, infrastructures and enclaves and facilitate real-time collaboration and dynamic formation of communities of interest. JOIN's DTE can provide a full range of DISN services, transport systems and encryption devices, allowing early identification of gaps and shortfalls, thereby minimizing negative impacts on deployed forces.

JOIN supports coalition interoperability by providing and maintaining coalition networks such as CX-I, CX-K and CFBL, that operates a collation DTE. JOIN works closely with North Atlantic Treaty Organization (NATO) and other coalition partners to align US/Coalition requirements/standards by defining these requirements to US and Coalition industry partners allowing better support to our Warfighter.

Capabilities:

JOIN supports the “agile process” throughout all phases of a systems life cycle:

- Common Operating Picture (COP)
- Cryptography and key management
- Develops joint Tactics, Techniques and Procedures (TTP)
- Everything over Internet Protocol (EoIP): Voice, Video, Radio, Video Teleconference (VTC)
- Internet Protocol Version 4 (IPv4)/Internet Protocol Version 6 (IPv6)
- Maintains collaborative relationships
- Network Operations (NETOPS)
- Provides a distributed on-demand test environment throughout the C4ISR community that can cost-effectively develop and support their key communications systems
- Provides DoD community the opportunity to shorten acquisition process by integrating standards collaboratively prior to certification throughout the year
- Resolves Joint interoperability issues
- Software defined radios and radio networks
- Tactical satellite and radio communications
- Voice/Secure Voice/Voice over Internet Protocol (VOIP)/Voice over Secure Internet Protocol (VOSIP)
- Wireless/Worldwide Interoperability for Microwave Access (WIMAX)/802.11
- Works closely with units to validate communications systems readiness
- Coalition Networks such as CX-I, CX-K, CFBL
- Operational Networks such as DREN, SIPR, NIPR, ISP

Customers:

- Armed Services
- Army CIO/G6
- Battlefield Video Teleconference (BVTC)
- Central Technical Support Facility (CTSF)
- Coalition Joint Spectrum Management and Planning Tool (CJSMPT)
- Coalition Partners
- Combatant Commands (COCOMs)
- Command Post Platform (CPP)
- Communications and Electronics R&D Center (CERDEC)
- Defense Information Systems Agency (DISA)
- Defense Intelligence Agency (DIA)
- Department of Homeland Security (DHS)
- DoD Support to Civil Authorities (DSCA)
- Edgewood Chemical Biological Center (ECBC)
- Eglin Air Force Base
- Electronic Key Management System (EKMS)
- Enhanced Position Location Reporting System (EPLRS)
- Federal Emergency Management Agency (FEMA)
- Fort Bliss
- Fort Hood
- Headquarters of Department of the Army (HQDA)
- Industry Partners
- Joint Communications Support Element (JCSE)
- Joint Interoperability Test Command (JITC)
- Joint SATCOM Engineering Center (JSEC)
- Joint Staff J6
- Lakehurst Naval Air Station
- Local and State Organizations
- National Guard Bureau (NGB)
- National Security Agency (NSA)
- Network Integration Evaluation (NIE)
- Office of the Secretary of Defense for Networks & Information Integration (OSD NII)
- PdD Communication Security (COMSEC)
- PdM Handheld Manpack and Small Form Fit (HMS)
- PdM Mid-Tier Networking Vehicular Radio (MNVR)
- PdM Network Systems (NS)
- PEO Command, Control and Communications—Tactical (C3T)
- PM Power Project Enabler (P2E)
- PM Tactical Radios (TR)
- Redstone Arsenal
- Regional Hub Node (RHN)
- Secure Wireless Local Area Network (SWLAN)
- Single Shelter Switch Version 3/4 (SSS V3/4)
- Space and Naval Warfare Systems Command (SPAWAR)
- US Strategic Command (USSTRATCOM)
- Various PEOs, PMs, PdMs
- Warfighter Information Network-Tactical Increment 1 (WIN-T Inc1)
- White Sands Missile Range (WSMR)
- Yuma Proving Ground (YPG)

JOINT USERS INTEROPERABILITY COMMUNICATIONS EXERCISE (JUICE)

Description:

The Joint Users Interoperability Communications Exercise (JUICE) is an annual worldwide Department of Defense joint communications exercise, hosted by the US Army Communications—Electronics Command (CECOM) and the CECOM Software Engineering Center (SEC) and sponsored by US Strategic Command (STRATCOM), acting as both the supported and supporting Combatant Command. The traditional focus of JUICE is joint communications interoperability across DoD and with allied/coalition/industry partners and state/local agencies. JUICE serves as a platform for concept validation, analysis

of alternatives prior to committing resources, interoperability certification, operationally testing new and emerging technologies, and architectural validation for systems planned for near term future deployment.

JUICE offers key stakeholders from the research and development, acquisition, testing, operational, strategic, coalition and technical communities, an opportunity to collaborate and forge new joint interoperability communications solutions that meet the stringent dynamic conditions and environments of tomorrow's Joint Force operations. Additionally, participants are provided an opportunity to leverage training opportunities in multiple operational functionalities, identify gaps and shortfalls, and develop Tactics, Techniques and Procedures (TTPs) for new and deployed systems.

JUICE has captured the attention of the C4ISR and cyber community because of its effectiveness in uncovering problems, elevating them to appropriate decision authorities and developing solutions, both doctrinal and technical. The Joint On-demand Interoperability Network (JOIN) acts as the provisioning arm of JUICE providing the operational communications infrastructure that delivers a full complement of Defense Information System Network (DISN) services.

JUICE brings together US forces with Coalition partners, utilizing their existing and next generation communications systems and standards, to ensure Coalition and Joint interoperability by assessing and defining communication requirements between the US and Coalition partners.



Capabilities:

- Improve interoperability of assured and secure end-to-end communications
- Provide a venue to assess/certify equipment and technology
- Provide a training environment for all services (active and reserve)
- Support homeland/defense/security initiatives
- Develop tactics/techniques/procedures, doctrine, policy, etc
- Strategic Planning Cell
- Deployed/operational Transport systems and bandwidth
- Full range of DISN services
- One Stop Shop to configure networks and enclaves
- Robust connectivity

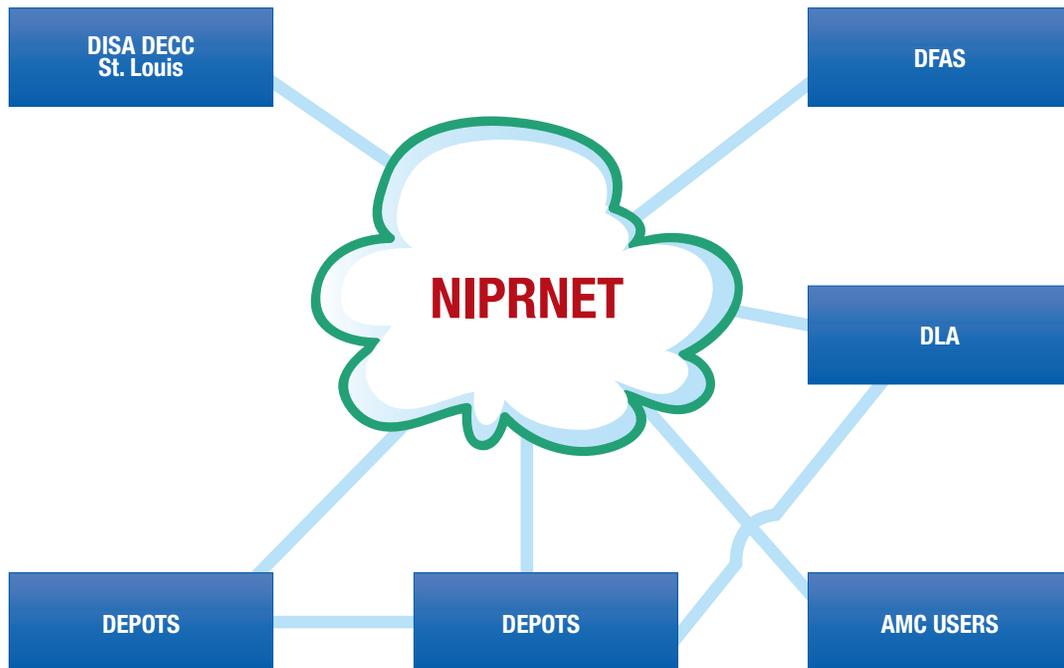
Customers:

- Armed Services
- Army CIO/G6
- Coalition Partners
- Combatant Commands/Services/Agencies (CC/S/A)
- Communications and Electronics R&D Center (CERDEC)
- Defense Information Systems Agency (DISA)
- Defense Intelligence Agency (DIA)
- DoD Support to Civil Authorities (DSCA)
- Edgewood Chemical Biological Center (ECBC)
- Federal Emergency Management Agency (FEMA)
- Headquarters of Department of the Army (HQDA)
- Industry Partners
- Joint Communications Support Element (JCSE)
- Joint Interoperability Test Command (JITC)
- Joint SATCOM Engineering Center (JSEC)
- Joint Staff J6
- Local and State Organizations
- National Guard Bureau (NGB)
- National Security Agency (NSA)
- Office of the Secretary of Defense for Networks & Information Integration (OSD NII)
- Space and Naval Warfare Systems Command (SPAWAR)
- US Strategic Command (USSTRATCOM)
- Various PEOs, PMS, PdMs

LEGACY SYSTEMS SUSTAINMENT

Description:

Residual Legacy Systems Support provides management, oversight, functional expertise and support to the Army Materiel Command Legacy Systems modernization effort. It ensures underlying legacy technology architecture is adequately maintained. It provides interface and support between customers and industrial partners and functions as an honest brokers in technical and functional matters.



Capabilities:

Provides logistics readiness as well as the following:

- Inventory management
- Depot and arsenal operations
- Stock control
- Repairable items tracking
- Supply management
- Procurement
- Sales and distribution
- Cataloging
- Provisioning
- Financial management/reporting
- Budget stratification

Customers/Systems:**Customers:**

- Army Materiel Command (AMC)
- Defense Logistics Agency (DLA)
- Department of the Army (DA)
- DEPOTS
- PEO Enterprise Information System (EIS)
- PM Logistics Modernization Program (LMP)

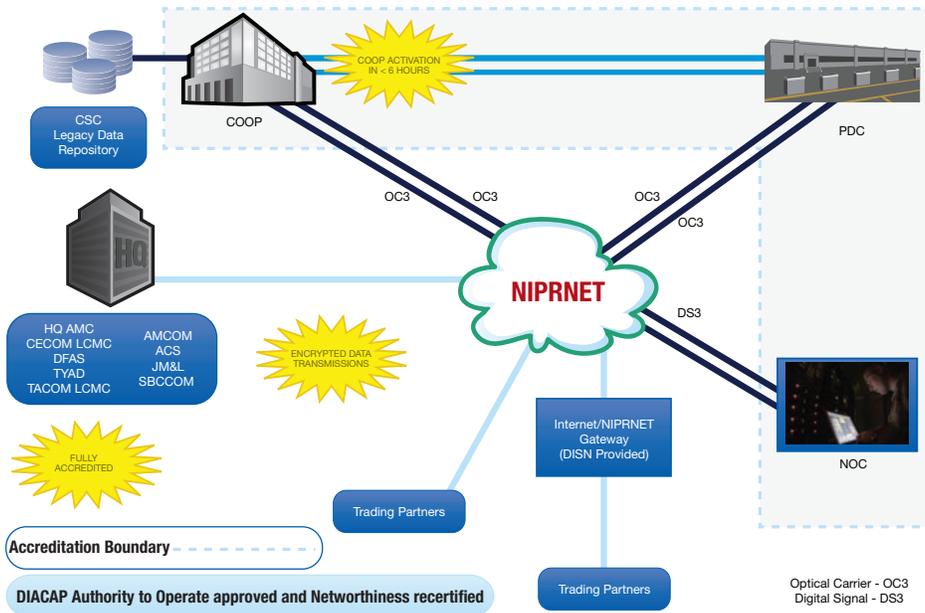
Systems:

- Commercial Asset Visibility (CAV)
- Commodity Command Standard System (CCSS)
- Commodity Command Standard System CCSS-Financial (CCSS-F)
- Non-Army Managed Items (NAMI)
- Online Supply Control (OLS)/Stratification Online System (STROLS)
- Procurement Automated Data Document System (PADDS)
- Provisioning On-Line System (POLS)
- Standard Operations & Maintenance Army Research & Development System (SOMARDS)

LOGISTICS MODERNIZATION PROGRAM (LMP)

Description:

SEC provides technical subject matter expertise to the Logistics Modernization Program (LMP), a modernized logistics and finance solution that enables the Army Materiel Command to deliver world-class logistics and readiness to the Warfighter. LMP delivers a fully integrated suite of software and business processes providing streamlined maintenance, repair and overhaul, planning, finance, acquisition, weapon systems supplies, spare parts, services and materials.



Capabilities:

SEC technical SMEs provide the following expertise:

- Information Assurance
- Information Technology
- Technical Infrastructure
- Test and Evaluation
- Corporate Information Management
- Systems Engineering
- Solution Development
- Interface Management
- Data Management
- Financial Management

Customers:

- Army Materiel Command (AMC)
- Army Sustainment Command (ASC)
- Aviation and Missile Command (AMCOM)
- Communications Electronics Command (CECOM)
- Defense Finance and Accounting Service (DFAS)
- Joint Munitions & Lethality Command (JM&L)
- PEO Enterprise Information Systems (EIS)
- PM Logistics Modernization Program (LMP)
- Soldier, Biological and Chemical Command (SBCCOM)
- Tank Automotive and Armaments Command (TACOM)

MEDIA REPRODUCTION AND DISTRIBUTION

Description:

Replication, Distribution, Installation and Training (RDIT) provides quality service to the DoD community, offering a full range of services with a rapid, cost-effective response. RDIT replicates and distributes version-controlled software by unit, fielded platform and program/system. RDIT performs all actions necessary to provide software, firmware, digitized maps, training materials, software loading and readiness assistance to the Warfighter worldwide. Additionally, it supports both business and battlespace domain applications and software replication and distribution for Intra-Army Interoperability Certification testing at the Central Technical Support Facility in Fort Hood, Texas.

RDIT uses the SEC Software Control and Reference Office (SCRO) library for storage, retrieval and configuration management of operational software and documentation prepared for system versions being developed, baselined and/or released to the field.



Capabilities:

- Replication services for software, firmware, hard drives, CD/DVD, SD cards, USB drives and paper manuals
- Paper-to-digital conversions
- On-site custom graphic design and printing services
- Geospatial maps in various formats and scales
- Rapid distribution (Next Day/Express Saver)
- Classified distributions: CONUS and OCONUS
- Tracking for versions, configurations and distributions

Customers/Systems:

Customers:

- C4ISR
- C5ISR
- CECOM LRC SAMD
- CERDEC C2SD
- PdD COMSEC AKMS ACES, SKL, LCMS, EKD, J-TNT
- PdD C-RAM
- PdD FSC2 AFADTS, Handhelds, JADOCs
- PdD PNT GPS
- PdM ATC
- PdM Mission Command (MC)
- PdM WIN-T
- PEO C3T
- PM DCGS-A
- PM MaTIC Profiler
- PM TRCS SINGARS
- SEC

Systems:

- AFATDS
- AKMS - ACES/SKL/EKD/LCMS/J-TNT
- AWS
- BVTC/BITS
- CGS
- CNPS
- CSEL
- DCGS-A
- DOSS/DASA DIMS
- DOSS/DASA WSOMS
- EBEM
- EEO
- GRCS
- GSCCE
- GTC3S
- Handhelds
- IDM
- JMOS
- JTT/CIBS-M
- JTT/IBS
- Kencast
- MIDAS
- NPT
- OD
- Profiler
- Prophet Sp 1
- RFMOW
- RHN
- RSCCE
- SAS
- SMART-T
- SSS (V4)
- SWLAN
- TNMS
- TRR-38
- UPT
- WIN-T INC 1
- WIN-T INC 2

MESSAGE AND PROTOCOL STANDARDS AND TOOLS

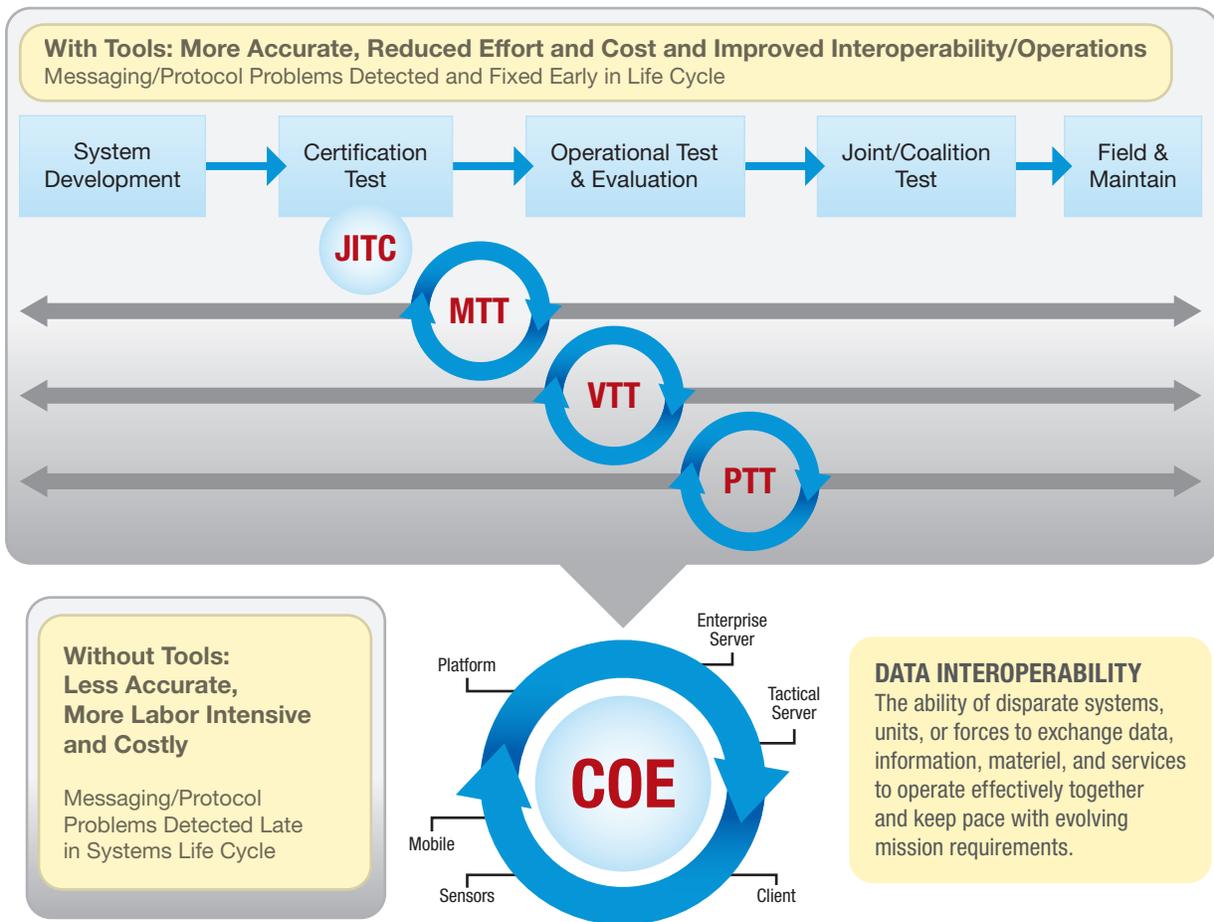
Description:

The Software Engineering Center (SEC) Message and Protocol Standards team provides governance support as well as a number of test tools for key Department of Defense (DoD) message and protocol standards including the Variable Message Format (VMF), the United States Message Text Format (USMTF), the Tactical Data Link (TDL) and the Combat Network Radio (CNR) communications protocols. These standards enable systems to meet crucial interoperability requirements for Army, Joint, Allied and NATO forces and define future Army Common Operating Environment (COE) interoperability baselines. Specifically, the radio and messaging standards are foundational to COE Control Points (CP) that define the NIE integration standards.

The SEC provides the Army voting representation to numerous Joint and Allied/NATO configuration boards. In addition, the SEC also sustains and fields a unique set of test tools that generate and validate messages and test compliance of tactical communications systems against current Military Standards (MIL-STD). The Test Tools and their relevant standards are below.

The SEC designed, maintains and distributes these test tools to aid in the detection and repair of standard implementation errors. By using these tools, errors introduced in the development of Battlefield Communications Systems are detected early in the systems life-cycle. Early defect detection facilitates significant time and cost savings, thereby preventing the fielding of defective systems containing interoperability problems that affect our Soldiers, Sailors, Airmen and Marines ability to operate effectively.

Test Tool	Description	Military Standard
Variable Message Format Test Tool (VTT)	Tests conformance to military standards	MIL-STD-6017x MIL-STD-2045-47001x
United States Message Text Format Test Tool (MTT)	Monitors and tests conformance to military standards	MIL-STD-6040x
Combat Net Radio Protocol Test Tool (PTT)	Monitors, simulates and stimulates radio messages and tests conformance to military standards	MIL-STD-188-220x
Automatic Message Generator (AMG)	A tool that allows quality assurance engineers to automatically build complex VMF and USMTF messages	
VMF Integrated Database (VID)	A database application designed to support software implementations of VMF messages. It contains the specification information found in baseline Standard specification versions and fielding hybrid implementation versions of MIL-STD-6017 and MIL-STD-2045-47001	



Capabilities:

- Serve as the Army focal point on message standard issues
- Harmonize new Army Interface Exchange Requirements (IERS) into a single technical solution to go forward to Joint messaging forums and to evaluate the technical solutions of other services and agencies so that a single Army position can be put forth at Joint messaging forums.
- Prepare for, convene and chair the Army Configuration Control Board (CCB) and CNR Working Group (WG)
- Serve as the Army representative/voting principal to the Joint CCB
- Support the publishing of TDL, VMF and USMTF and CNR MIL-STDs
- Provide test tools and data base applications to support the implementation of the above standards within Army systems
- Serve as subject matter experts in key interoperability standards that are implemented to facilitate operations in Air Defense/Air Command and Control, Land Combat environments, two Combat Net Radio standards and the United States Message Text Format Standard
- Coordinate the foreign release of MIL STDs thru the Army G-2
- Evaluate NATO Data Link Change Proposals (DLCPs)
- Support message standards evolution to net-centricity

Customers/Systems:

Customers:

- Allied Nations
- Central Technical Support Facility (CTSF)
- DoD
- Joint Interoperability Test Command (JITC)
- Office of the Chief Information Officer (CIO/G6)
- PEOs/PMs/PdMs

Systems:

- Advanced Field Artillery Tactical Data System (AFATDS)
- Air/Missile Defense Planning and Control System (AMDPCS)
- All Source Analysis System-Single Source (ASAS-SS) Analysis and Control Element Block II (ACE-BLKII)
- Apache Attack Helicopter, D version, with Longbow radar improvements (AH64D)
- Automated Information System (AIS)
- Aviation Mission Planning System (AMPS)
- Cargo Helicopter, Model "47," version "F" (Chinook) (CH-47F)
- Common Training Instrumentation Architecture-Light Tactical Trailer (CTIA-LTT)
- Digital Battlestaff Sustainment Trainer (DBST)
- Distributed Common Ground System-Army (DCGS-A)
- Fire Finder AN/TPQ-36 Weapons Locating System (FF36/EU)
- Fire Finder AN/TPQ-37 Weapons Locating System Weapons Locating System, counter-battery Target Acquisition Radar (FFQ37)
- Force XXI Mission Command Brigade-and-Below (FMCB2)
- Forward Observer System (FOS)
- Global Combat Support Systems-Army (GCCS-A)
- High Mobility Artillery Rocket System (HIMARS)
- HF Gateway
- Improved Data Modem (IDM)
- Integrated System Control (ISYSCON)
- Interface Network Controller (INC)
- Initial Fire Support Automated System (IFSAS)
- Land Warrior
- M270 Multi-Launch Rocket System (MLRS)
- Maneuver Control System (MCS)
- Meteorological Measuring Unit (MMS)
- Mission Command Server (MCS)
- Mission Command Sustainment Support System (MCS3)
- Mortar Fire Control System (MFCS)
- Observation Helicopter, Model "58," version "D" (Kiowa Warrior)TUAV Tactical Unmanned Aerial Vehicle (OH58D)
- Paladin
- Single Channel Ground to Air Radio System (SINCGARS)
- Tactical Airspace Integration System (TAIS)
- Tactical Communications Interface Modem (TCIM)
- TUAV

MISSION COMMAND DEVELOPMENT

Description:

Mission Command Capabilities and Services (MCCS) perform in-house life cycle software engineering, developing, testing and integration for Mission Command systems.

MCCS provides various command and control capabilities and services to support Product Manager Tactical Mission Command (TMC) in engineering and standardized implementation of common enterprise services across Tactical Units for the purposes of creating greater interoperability and supportability.

MCCS also supports the enabling infrastructure for Mission Command (MC) systems and migrating to a net-centric enterprise services environment. Efforts include server architecture and consolidation, security integration, and common product development.

MC is working to establish the Command Web application which will provide users with enhanced collaboration, visualization, and analysis and planning using a thin-client, or lightweight, Web-enabled environment. It aids the Warfighter by providing the ability to optimally share and visualize operational data for enhanced Army and Joint interoperability. It provides critical Command and Control automation tools, extending core MC functionality to non-provisioned users (users without a Command Workstation). Additionally, Command Web enables MC users with the ability to collaborate between Command Workstation and Command Web environments.

MC Widget development supports Operations/Intelligence convergence by combining data from the operational environment with data from the intelligence community which provides the commander with increased situational awareness to plan and adjust the mission. Our widgets provide three-dimensional views for operational and intelligence awareness for ground and air reporting, field artillery commands, logistics, alerts and incident reporting.



MISSION COMMAND SYSTEMS

Command/Key Leader Systems

- Combat Operation Execution
- Specialty Staff (COIN) Planning Collaboration

Staff Notebooks

- BFA Integration and Collaboration
- Joint/Coalition/Specialty Staff (JSS) Planning and Collaboration
- RIP/TOA



NET CENTRIC BC SERVER SUITE

Enterprise Services

- AD
- Email
- System Updates
- Data Dissemination
- Security

Interoperability Services

- Web Apps
- C2 Data & Services, Etc.

The image displays six screenshots of Mission Command system interfaces:

- Intel:** A 3D terrain visualization with various data points and overlays.
- MVR/C2:** A 3D city model with data overlays and a command interface.
- Fires:** A 2D map view showing fire positions and trajectories.
- LOG:** A data table or log interface with multiple columns and rows of information.
- AD:** A network or directory structure diagram showing nodes and connections.
- Force Protection:** A 3D globe view with data overlays and a command interface.

Capabilities:

- Web-based Command and Control capability
- Web-based application support for disadvantaged users
- Command and Control awareness
- Common Operating Picture
- System of System Interoperability/Integration
- Significant Activities monitoring
- Infrastructure standardization—enterprise and interoperability services
- Database replication and modeling
- Server consolidation
- Service Oriented Architecture (SOA) migration
- Operations/intelligence Convergence
- Situational Awareness

Customers/Systems:**Customers:**

- ASALT SOSI
- PdM Mission Command (MC)
- PdM Tactical Mission Command
- PdM Strategic Mission Command
- PM Force XXI Mission Command Brigade-and-Below (FMCB2)

Systems:

- 3D Map Widget
- Battle Command Common Services (BCCS)
- Chemical, Biological, Radiological and Nuclear (CBRN) Incident Reporting System (CIRS) Widget
- Command Post of the Future
- Command Web
- Command Web Widgets & Services
- Defense Readiness Reporting System—Army (DRRS-A)
- Engineering Mobility Service & Widget
- FBCB2/Joint Capabilities Release (JCR)
- Global Command and Control System—Army (GCCS-A)
- Joint Battle Command Platform (JBC-P), Network Operations Center (NOC)
- Obstacles and Hazards Service & Widget

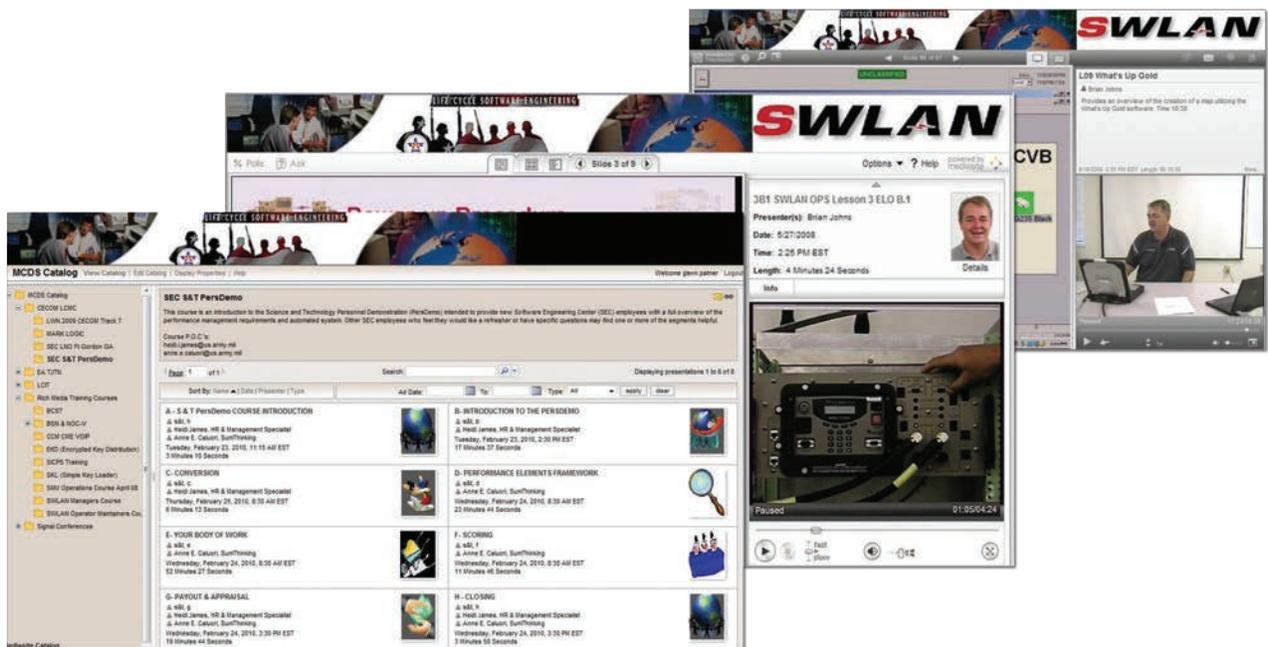
MULTIMEDIA MANAGEMENT

Description:

SEC Multimedia Content Distribution System (MCDS) Capabilities provide DoD information assurance certification and accreditation process-accredited multimedia services, utilizing certified and authenticated web-based portals via the MCDS. Mission Critical Defense Systems content is captured, edited and hosted, allowing authenticated users the ability to view a wide array of online, on-demand content. Content can also be distributed via CD/DVD or as an embedded file set for use on desktop or laptop computers.

MCDS content management services provide production and hosting of Multimedia Distance Learning Courseware, preparatory training, sustainment training and/or full-spectrum training.

These services can be used to capture conference briefings, work shops or significant events for online, on-demand viewing. Also, post production development of a CD/DVD allows for expanded distribution of content and provides limited access content catalogs for customers requiring limited access to MCDS produced and hosted content.



Capabilities:**MCDS support to Army and Joint Tactical Communications customers:**

- Online, on-demand training content
- Online, on-demand briefings, equipment demos and briefings
- Hosting management services for organizations housing content via MCDS
- MCDS catalog management services
- CD/DVD production of MCDS produced content
- On-site multimedia recording services
- Assistance with courseware conversion to online format
- Offer “live” one to many NIPRnet-based multimedia capability

Customers/Systems:**Customers:**

- CECOM LCMC Information Technology—Field Support Brigade
- Executive Agent for Theater Joint Tactical Networks (EA TJTN)
- Marine Corps Communications Electronics School (MCCES)
- PdM Command Post
- SIGCEN Battle Lab
- Signal Center of Excellence
- Signal Center Frequency Spectrum Proponent Office (SIGCEN FSPO)
- Signal Center Leader College of Information Technology (SIGCEN LCIT)

Systems:

- Army Key Management System—EKD
- Army Key Management System Simple Key Loader (AKMS SKL)
- Brigade Subscriber Node (BSN), Network Operations Center—Vehicular (NOC-V)
- Counter-Countermeasure/Communications Monitoring Equipment (CCM/CME)
- EKIP SMU
- Joint On-Demand Interoperability Network (JOIN)
- Joint User Interoperability Communications Exercise (JUICE)
- Mission Command Staff Trainer (MCST)
- Secure Wireless Local Area Network (LAN) (SWLAN)
- Spectrum Situational Awareness System (S2AS)
- Standardized Integrated Command Post System (SICPS)

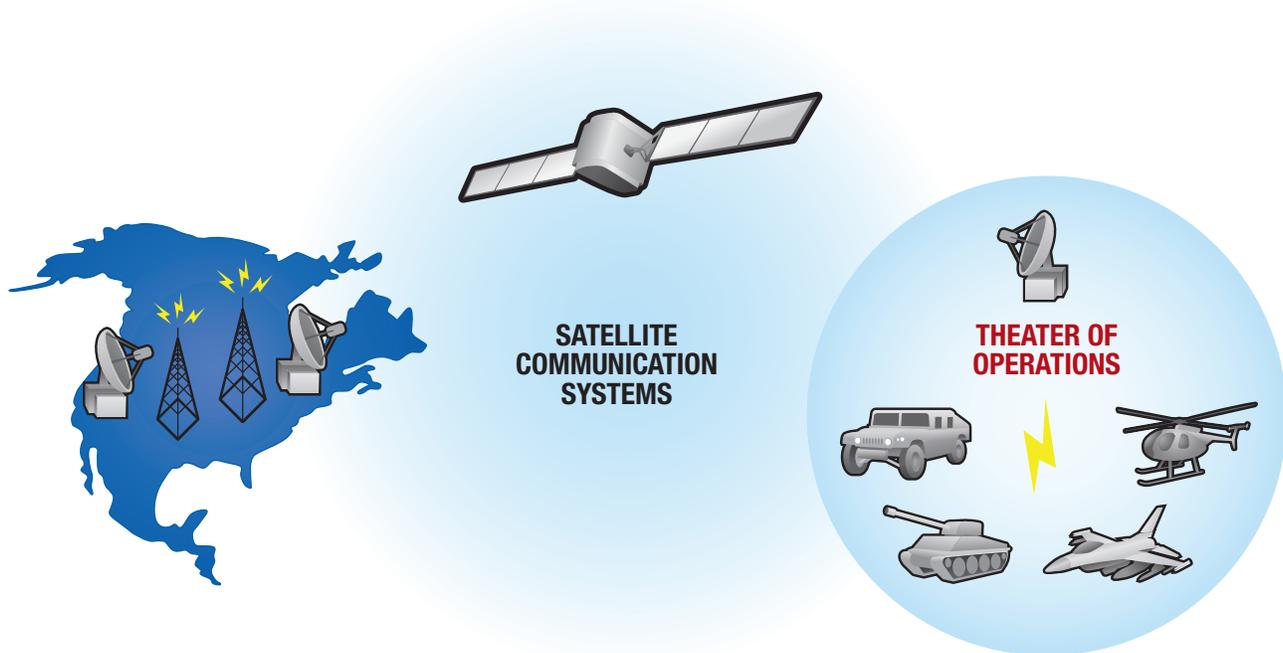
SATELLITE COMMUNICATIONS

Description:

Satellite Communications Capabilities provide software engineering support to more than 30 military satellite communications systems. These satellite controllers and terminals provide worldwide communications services for the US DoD and other US Government users including reach-back capabilities for deployed Warfighters.

The Communications Directorate (COMM) manages the post production software support for the satellite communications systems, and they maintain and update the satellite controller and satellite terminal software used to manage and control the Defense Satellite Communications Systems constellation and the newly deployed Wideband Global Satellite constellation. This includes maintaining the software that monitors and controls the communications payload of space craft in orbit.

Satellite Communications Capabilities also provide software support including the development, building, testing and fielding of Configuration Control Board-approved software version releases to the field and assistance to the field through investigation and correction of reported field problems. Additionally, post deployment software engineering support is provided to Program Managers for acquisition programs from conception to fielding.



Capabilities:

- Communications to deployed forces
- Extension to isolated areas
- Rapid response to surge requirements
- Intra- and inter-theater and reach-back communications
- Restoral and backup to terrestrial systems
- Information Assurance and Vulnerability Assessment releases
- Periodic version releases

Customers/Systems:

Customers:

- CECOM/Logistics Readiness Center (LRC)
- PEO Enterprise Information Systems (EIS)/PdM Defense Communications and Army Transmission Systems (DCATS)
- PEO Intelligence, Electronic Warfare and Sensor PdM Global Positioning System (IEW&S/GPS)

Systems:

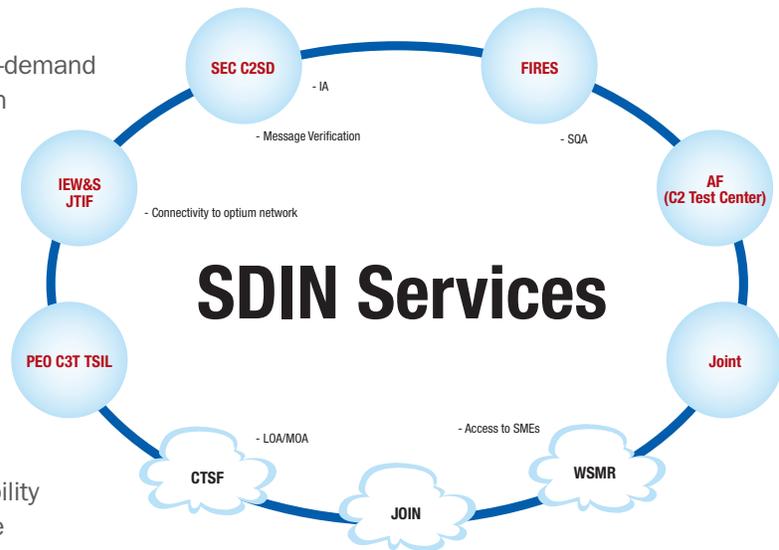
- 52 Modernization (52 MOD)
- Anti-Scintillation (AS) Modem (AS MODEM)
- Common Network Planning Software (CNPS)
- Contingency DSCS Operations Center System (CDOCS)
- Defense Satellite Communications System (DSCS) Electronic Counter-Counter Measures (ECCM) Control System (DECS)/Contingency Defense Satellite Communications System (DSCS) Electronic Counter-Counter Measures (ECCM) Control System (CDECS)
- Defense Satellite Communications System (DSCS) Frequency Division Multiple Access (FDMA) Control System (DFCS)
- Defense Satellite Communications System (DSCS) Integrated Management System (DIMS)
- Defense Satellite Communications System Operations Support System/Defense Satellite Communications System Automated Spectrum Analyzer (DOSS/DASA)
- Defense Travel System (DTS)
- Enhanced Bandwidth Efficient Modem (EBEM)
- Global Positioning System (GPS)
- Global SATCOM Configuration Control Element (GSCCE)
- Global Terrestrial Critical Control Circuit System (GTC3S)
- Integrated Control Console
- Joint Internet Protocol Modem (JIPM)
- Joint Management Operations System (JMOS)
- Ka-Band Satellite Earth Terminal (KA-STARS)
- Modernization of Enterprise Terminal (MET)
- Multiplexer Integration and Digital Communications Satellite Subsystem Automation System (MIDAS)
- Replacement Frequency Modulated Orderwire (RFMOW)
- Replacement Radio Frequency Interconnecting System (R-RFIS)
- Replacement Satellite Configuration Control Element (RSCCE)
- Special Communications Link (SCL)
- Satellite Communications Set
- Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
- Wideband Global SATCOM Spectrum Monitoring System (WGSMS) / Wideband Remote Monitoring System (WRMS)
- Wideband SATCOM Trend Analysis and Anomaly Resolution System (WSTARS)
- Wideband SATCOM Operations Management System

SYSTEM DEVELOPMENT AND INTEGRATION NETWORK (SDIN)

Description:

SDIN Services establishes an agile, on-demand network environment for the acquisition community to use for distributed software development activities, risk mitigation/reduction testing and integration efforts in support of the system development testing and test-fix-test cycles.

SDIN Services provides a closed network “sandbox” for geographically disparate sites so that distributed integration/interoperability testing can be achieved, minimizing the need for travel and shipping equipment. This significantly reduces the current costs of risk reduction activities for the acquisition community.



Capabilities:

- Delivers certified and interoperable software to the Warfighter
- Concurrently supports multiple and potentially disparate testing/integration efforts
- Expands developmental and integration testing capability and capacity by leveraging network connections
- Distributed troubleshooting allows for cost savings/avoidance for Materiel Developer (MATDEV)
- System of Systems (SoS) integration and testing will allow for schedule efficiencies to be realized

Customers/Systems:

Customers:

- 46th Test Squadron
- Acquisition Community
- Central Technical Support Facility (CTSF)
- PEO Command, Control and Communications—Tactical (C3T)
- PEO Intelligence, Electronic Warfare and Sensors (IEW&S)
- US Army Space & Missile Defense Command (USASMDC)

Systems:

- Aviation Platforms
- Current LandWarNet Mission Command Systems

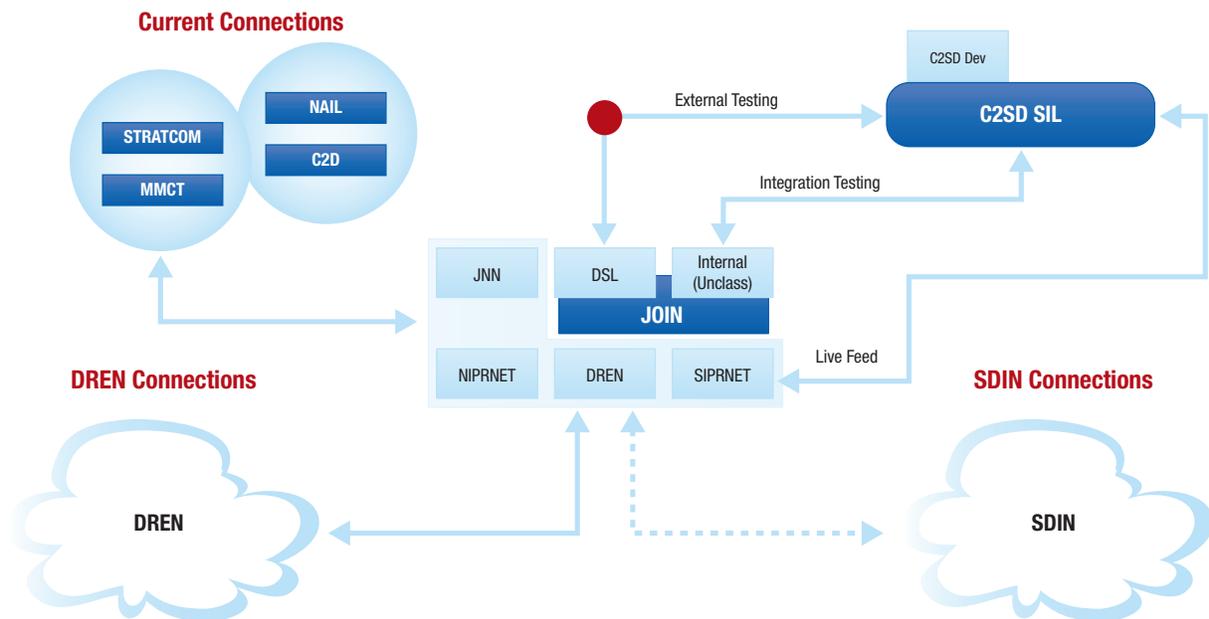
SYSTEM OF SYSTEMS INTEGRATION

Description:

System of Systems (SoS) Software Integration and Test (SWIT) is a collaboration of software developments and testing from all Command and Control Solutions Directorate (C2SD) Labs that provides the engineering staffs the capability to work at the optimal performance levels within an open communication arena. The connection/integration with other lab facilities creates a larger enterprise lab environment for SoS testing opportunity.

The C2SD Labs allow for software development, test and evaluation efforts, providing cost-effective, high quality software and the latest technology from expertise at three C2SD locations throughout the country.

SWIT also provides matrix engineering support to Program Executive Officers (PEOs) and Product Managers (PdMs).



Capabilities:

- Maneuver Control System (MCS) and Mission Command Common Services (MCCS): development and testing, field problem troubleshooting, operational support SIPRNET, MCCS Integration, C&A
- Tactical Mission Command (TMC) services: development and testing support
- Mission Command (MC) integration testing
- MIP integration testing
- Fire support: Army Mission Command System (AMCS) interoperability testing
- Brigade combat team modernization support: MNE support
- Land warrior efforts: development and testing, SOSCOE interoperability testing
- Force XXI Mission Command Brigade-and-Below (FMCB2) post deployment software support efforts: development and testing support
- MCS3 efforts: post production software support activities

Customers/Systems:

Customers:

- PEO Command, Control and Communications-Tactical (C3T)
- PEO Integration
- PdM Command Post
- PdM JIMI
- PdM Mission Command (MC)
- PdM Mission Command Sustainment Support System
- PdM Tactical Mission Command
- PdM Strategic Mission Command
- PM Force XXI Mission Command Brigade-and-Below

Systems:

- Army Mission Command System (AMCS)
- Force XXI Mission Command Brigade-and-Below (FMCB2)
- Multilateral Interoperability Program (MIP)

TACTICAL COMMUNICATIONS CAPABILITIES

Description:

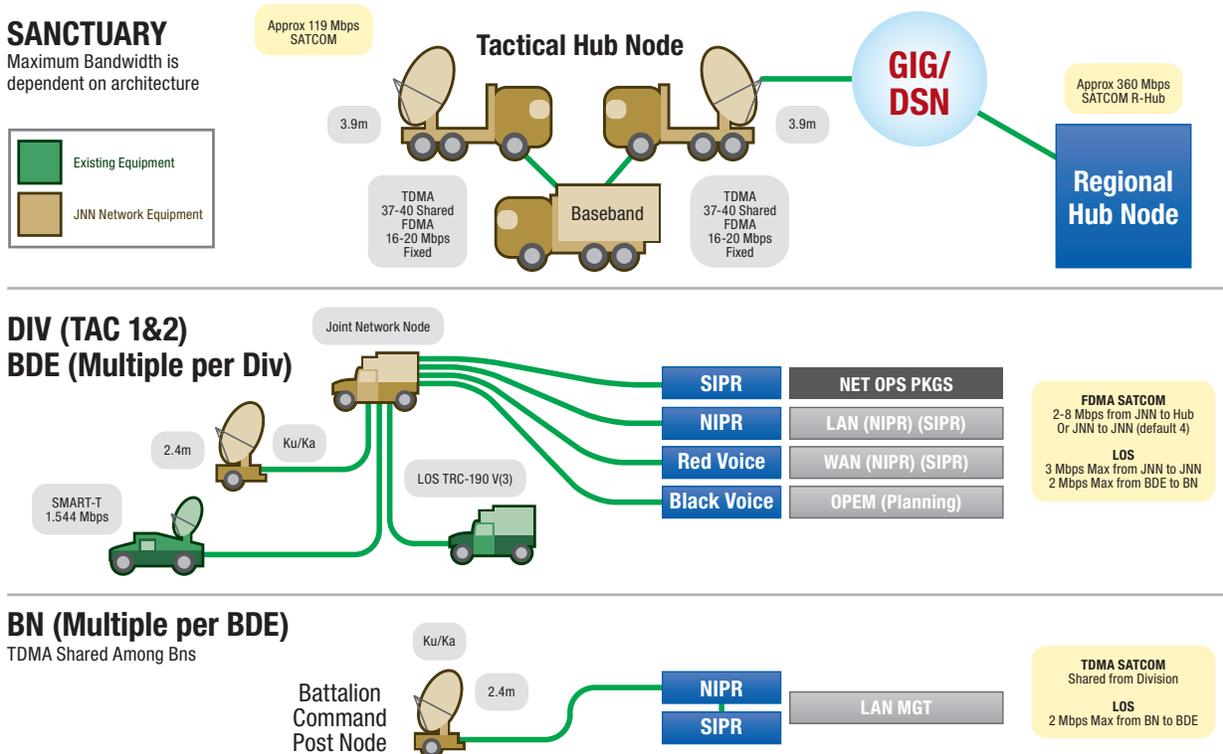
Tactical Communications Capabilities provide software life cycle support to 16 tactical communications systems. These systems provide the infrastructure that allows the Warfighter in the foxhole to communicate on the battlefield. Support includes:

- Voice, video and data services
- Automated communications
- Network management/planning

Additionally, it provides post production software support to systems such as the Warfighter Information Network- Tactical Increment 1 (WIN T Inc1), the Regional Hub Node (RHN) and the Single Shelter Switch version 4 (SSS V4). This includes providing the Warfighter:

- New software upgrades/releases, quarterly information assurance and vulnerability assessment (IAVA) releases
- On-site field and telephonic support
- COTS licensing support
- Documentation on CDs
- Training for software updates

Tactical communications support also provides support to program executive officer/product manager customers with their transformational development programs such as WIN-T Inc 2 and WIN-T Inc 3 and the Tactical Network Management System (TNMS), and it provides guidance to ensure the software meets the requirements.



Capabilities:

Life cycle support to Army and Joint Tactical Communications Network, providing voice, data and video services:

- Quarterly IAVA releases
- Periodic version releases
- Field exercise and operational support
- Software Acquisition and Contract support
- Provide support to maintain configuration management
- Provide Information Assurance Security Officer (IASO) support
- Provide COTS software management and tracking support
- Replication and distribution of software releases

Customers/Systems:

Customers:

- PdD Tactical Network Initialization (TNI)
- PEO Command, Control and Communications—Tactical (C3T)/PdM Warfighter Information Network-Tactical (WIN-T)

Systems:

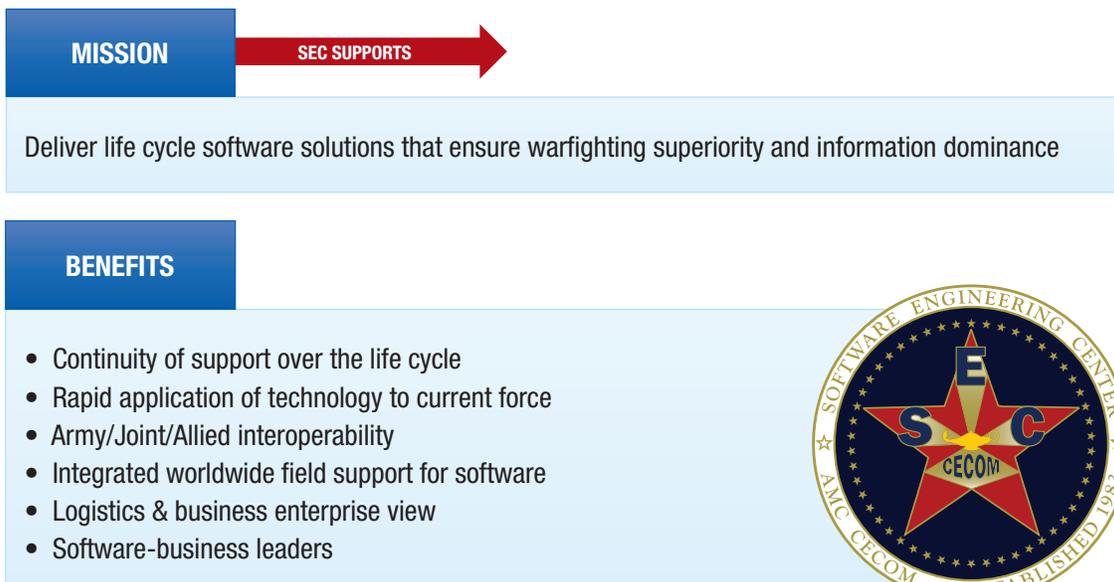
- Army Watercraft System (AWS)
- Battlefield Video Teleconferencing (BVTC)
- Communications System Control Element (CSCE)/Network Planning Terminal (NPT)
- Command Post Platform (CPP)
- Harbormaster Command and Control Center (HCCC)
- Regional Hub Node (RHN)
- Tactical Internet Management System (TIMS)
- Tactical Network Management System (TNMS)
- Tactical Super High Frequency (SHF) Satellite Terminal (PHOENIX)
- Secure Wireless Local Area Network (SWLAN)
- Single Shelter Switch version 4 (SSS V4)
- Secure, Mobile, Anti-Jam, Reliable, Tactical Terminal (SMART-T)
- Secure, Mobile, Anti-Jam, Reliable, Tactical Terminal Advance Extremely High Frequency (SMART-T AEHF)
- Warfighter Information Network-Tactical Increment 1 (WIN-T INC 1)
- Warfighter Information Network-Tactical Increment 2 (WIN-T INC 2)
- Warfighter Information Network-Tactical Increment 3 (WIN-T INC 3)

TACTICAL LOGISTICS AND BUSINESS SYSTEMS SUSTAINMENT

Description:

Provides system sustainment and support for the Army’s tactical logistics and business information systems (complete hardware and software system responsibility). The Tactical Logistics Directorate (TLD) has an experienced, dedicated and well-trained workforce of information technology (IT) specialists, computer engineers and scientists, acquisition corps specialists and subject matter experts within several business domains (such as logistics, acquisition, food service and financial management).

TLD are preparing its workforce for future skill requirements through new or refresher training and professional development in order to develop IT business opportunities and to support emerging systems.



Capabilities:

- Sustain essential automation in peacetime and wartime:
 - Supply and warehousing management
 - Property accountability and unit supply
 - Tactical maintenance management (ground and air)
 - Ammunition supply management
- Financial Management HW/SW life cycle management
 - Contracting management and business intelligence
- Operate 24/7 customer support office and functional processing center in support of tactical logistics and business information systems

Customers/Systems:

Customers:

- Army Commands (ACOMs)
- Assistant Chief of Staff, Financial Management (ACS(FM))
- Assistant Chief of Staff for Management (ACSIM)
- Assistant Secretary of the Army (Acquisition, Logistics and Technology) (ASA(ALT))
- Combined Arms Support Command (CASCOM)
- Defense Commissary Agency (DeCA)
- Defense Human Resource Activity (DHRA)
- Department of Defense Education Activity (DoDEA)
- Department of the Army Office of the Deputy Chief of Staff for Logistics (ODCSLOG) (DA G4)
- National Guard Bureau (NGB)
- PEO Command Control Communications—Tactical (C3T)
- PEO Enterprise Information Systems (EIS)
- United States Army Reserve Command (USARC)

Systems:

- Army Contracting Business Intelligence System (ACBIS)
- Army Food Management Information System (AFMIS)
- Financial Management Tactical Platform (FMTP)
- Property Book Unit Supply Enhanced (PBUSE)
- Standard Army Ammunition System-Modernization (SAAS-MOD)
- Standard Army Maintenance System Enhanced/Installation Enhanced (SAMS-E/IE)
- Standard Army Retail Supply System (SARSS)
- Standard Procurement System (SPS)
- Unit Level Logistics System-Aviation Enhanced (ULLS-AE)

GLOSSARY



GLOSSARY

160TH SOAR: Army's 160th Special Operations Aviation Regiment (Airborne), as known as the "Night Stalkers"

52 MOD: 52 Modernization

A2C2S–SYSTEM: Army Airborne Command and Control System

A/B(V)2–SYSTEM: Radar Signal Detection Set

ACA: Agent of the Certification Authority

ACA/DoD: Agent of the Certification Authority/ Department of Defense

ACE: Analysis and Control Element

ACBIS: Army Contracting Business Intelligence System

ACE BLK II: Analysis Control Element Block II

ACOM: Army Command

ACS: Assistant Chief of Staff

ACS-CREW: Counter RCIED (Remote Control Improvised Explosive Device) Prophet

ACS(FM): Assistant Chief of Staff, Financial Management

ACSIM: Assistant Chief of Staff for Installation Management

AFATDS: Advanced Field Artillery Tactical Data System

AFMIS: Army Food Management Information System

AFSB: Army Field Support Brigade

AH64D: Apache Attack Helicopter, D version, with Longbow radar improvements

AHES: Ad Hoc Emergency Services

AHES (HOMES): Army Housing Operations Management System

AHLTA: Armed Forces Health Longitudinal Technology Application

AHUD: Advanced Heads Up Display

AIC: Army Interoperability Certification

AIS: Automated Information System

AKMS: Acquisition, Technology and Logistics Knowledge Management System (US DoD)

AKMS SKL Army: Army Key Management System—Simple Key Loader

AMA: Account Management Application

AMAT-SYSTEM: Army Multiplex Avionics Tester

AMC: Army Materiel Command

AMCS: Army Mission Command System

AMCS/CTSF: Army Mission Command System/ Central Test Support Facility

AMDPCS: Air/Missile Defense Planning and Control System

AMDS: Autonomous Mine Detection System

AMPS: Aviation Mission Planning System

AMTS: Advanced Multiplex Test System

AN/APR-39—SYSTEM: Radar Warning Receiver

AN/ALQ-211(V)-SIRFC: Suite of Integrated Radio Frequency Countermeasures

AN/TRR-38: System (AN/TRR-38 Satellite Receiving Set)

APMS: Army Portfolio Management System

APTU: Army Participating Testing Unit

ARAT: Army Reprogramming Analysis Team

ARAT-PO: Army Reprogramming Analysis Team—Program Office

ARFORGEN: Army Force Generation

Army BCT: Army Brigade Combat Team

Army CCB: Army Configuration Control Board

Army G2: Army Office of the Deputy Chief of Staff for Intelligence (ODCSINT)

Army G4: Army Office of the Deputy Chief of Staff for Logistics (ODCSLOG)

ARNG: Army National Guard

AS: All Source

ASA(ALT): Assistant Secretary of the Army (Acquisition, Logistics and Technology)

ASAS: All Source Analysis System

ASAS-ACE: All Source Analysis System-Analysis Control Element

ASAS-ACE BLK II: All Source Analysis System-Analysis Control Element Block II

ASAS-SS: All Source Analysis-Single Source

ASC: Army Sustainment Command

AS CCs: Assistant Chief of Staff, Financial Management

- ASE C2:** Aircraft Survivability Equipment Command and Control
- ASD:** Assistant Secretary of Defense
- ASD(NII):** Assistant Secretary of Defense for Networks & Information Integration
- ASE:** Aircraft Survivability Equipment
- AS MODEM:** Anti-Scintillation (AS) Modem
- ASN-128–SYSTEM:** AN/ASN-128 Doppler Navigation System
- ASOMS:** Advanced Special Operations Management System
- ASPO:** Army Space Program Office
- A(V)1–SYSTEM:** Radar Warning Receiver
- A(V)X–SYSTEM:** Radar Warning Receiver
- AVIM/AVUM:** Aviation–Intermediate Maintenance/Aviation Unit Maintenance
- BAL:** Basic Analyst Laptop
- BBN:** Baseband Node Systems
- BCT:** Brigade Combat Team
- BCTM:** Brigade Combat Team Modernization
- BI:** Business Intelligence
- BI COE:** Business Intelligence Center of Excellence
- BMA:** Business Mission Area
- BSN:** Brigade Subscriber Node
- BTA:** Business Transformation Agency
- BVTC:** Battlefield Video Teleconference
- C&A:** Certification & Accreditation
- C2:** Command and Control
- C2SD:** Command & Control Software Directorate
- C2SD/FSED:** Command & Control Software Directorate/Fires Software Engineering Division
- C4ISR:** Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
- C4SIR PEO:** Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance Program Executive Officers
- CA:** Certification Authority
- CALM:** Centralized Acquisition License Management or Computer Assisted Learning Module
- CASCOM:** Combined Arms Support Command
- CASCOM/SCOE:** Combined Arms Support Command Sustainment Center of Excellence
- CBT:** Computer Based training
- CCB:** Configuration Control Board
- CCM/CME:** Counter-Countermeasure/Communications Monitoring Equipment
- CCS:** Communications Control Set
- CCSS:** Commodity Command Standard System
- CDECS:** Contingency Defense Satellite Communications System (DSCS) Electronic Counter-Counter Measures (ECCM) Control System
- CDOCS:** Contingency DSCS Operations Center System
- CERDEC:** Communications and Electronics R&D Center
- CERDEC/S&TCD:** Communications-Electronics Research Development and Engineering Center/Space & Terrestrial Communications Directorate
- CGS:** Common Ground Station
- CGS-A:** Distributed Common Ground System–Army SYSTEM
- CH-47F:** Cargo Helicopter, Model “47,” version “F” (Chinook)
- CHALS-C–SYSTEM:** Communications High Accuracy Location Sub-system–Compact
- CHARCS:** Counterintelligence Human Intelligence Automated Collection And Reporting System
- CIO/G6:** Coordination, Implementation and Operation or Chief Information Officer, Office of the Chief Information Officer
- CISD:** Civilian Information Services Division
- CMWS:** Common Missile Warning System
- CNPS:** Common Network Planning Software
- CNR:** Combat Net Radio
- COCOMs:** Combatant Commands
- COI:** Communities of Interest
- COMINT:** Communications Intelligence
- COMM:** Communications Directorate
- Comms LNO:** Communications Liaison Officer
- COMSEC:** Communications Security
- Comms Spt:** Communications Support
- CoN:** Certificate of Networkiness

- CONUS:** Continental United States
- COP:** Common Operational Picture
- COTS:** Commercial Off the Shelf
- CP:** Command Post
- CPOF/MCS:** Command Post of the Future/
Maneuver Control System
- CPP:** Command Post Platform
- CREW:** Counter Radio Controlled Improvised
Explosive Device Electronic Warfare
- CREW–SYSTEM:** Counter Radio Controlled
Improvised Explosive Device [RCIED]
Electronic Warfare
- CRN WG:** Combat Net Radio Working Group
- CROSS-PEO:** Cross-Program Executive Officers
- CSCE:** Communications System Control Element
- CSEL:** Combat Survivor/Evader Locator
- CSO:** Customer Support Office
- CSS:** Combat Support Services
- CSS COMMS:** Combat Support Services
Communications Directorate
- CTIA-LTT:** Common Training Instrumentation
Architecture–Light Tactical Trailer
- CTIS:** Combat Terrain Information System
- CTSF:** Central Technical Support Facility
- CUD:** Common User Database
- DA:** Department of the Army
- DA G4:** Department of the Army Office of the Deputy
Chief of Staff for Logistics (ODCSLOG)
- DBMS:** Database Management System
- DBST:** Digital Battlestaff Sustainment Trainer
- DCATS:** Defense Communications and Army
Transmission Systems
- DCGS-A:** Distributed Common Ground
System—Army
- DCSINT:** Deputy Chief of Staff for Intelligence
- DDS:** Data Dissemination Service
- DECS:** Defense Satellite Communications System
(DSCS) Electronic Counter-Counter Measures
(ECCM) Control System
- DFAS:** Defense Finance & Accounting Service
- DFCS:** Defense Satellite Communications System
(DSCS) Frequency Division Multiple Access
(FDMA) Control System
- DeCA:** Defense Commissary Agency
- DHS:** Department of Homeland Security
- DHRA:** Defense Human Resources Activity
- DIA:** Defense Intelligence Agency
- DIACAP:** DoD Information Assurance Certification
and Accreditation Process
- DIMS:** Defense Satellite Communications Systems
(DSCS) Integrated Management System
- DIP:** DoD Information and Assurance Certification
Process (DIACAP) Implementation Program
- DISA:** Defense Information Systems Agency
- DoD:** Department of Defense
- DoD CIO:** Department of Defense Coordination
Chief Information Officer
- DoD GIG:** Department of Defense Coordination
Global Information Grid
- DoDEA:** Department of Defense Education Activity
- DoD GIG OAN:** Department of Defense Coordination
Global Information Grid Operational
Area Network
- DOSS/DASA:** Defense Satellite Communications
System Operations Support System/Defense
Satellite Communications System Automated
Spectrum Analyzer
- DSCS:** Defense Satellite Communications Systems
(DSCS) Integrated Management System
- DSE:** DISA Support Element
- DTS:** Defense Travel System
- E&I:** Engineering and Integration
- EA:** Edgewood Area and Engagement Area
- EA-TJTN:** Executive Agent for Theater Joint
Tactical Networks
- EBEM:** Enhanced Bandwidth Efficient Modem
- ECP-S:** Engineering Change Package-Software
- EDS-P:** Enterprise Directory Services-Provisioning
- EKMS:** Electronic Key Management System
- EOIP:** Everything over Internet Protocol
- EONS:** Enterprise Operations, Network and Security
- EP:** Electronic Protect

- EPLRS:** Enhanced Position Location Reporting System
- ERP:** Enterprise Resource Planning
- ES:** Electronic Support
- ESCC:** Enterprise Solutions Competency Center
- ESD:** Enterprise Solutions Directorate
- ESI:** Electronically Stored Information
- ETW/TRR-38–Enhanced Trackwolf/SYSTEM:** (AN/TRR-38 Satellite Receiving Set)
- EW:** Electronic Warfare
- EWS:** Electronic Warfare Systems
- FaNS:** Federated Army Net-Centric Site
- FDM:** Financial Disclosure Management
- FEMA:** Federal Emergency Management Agency
- FF 36/EU:** Fire Finder AN/TPQ-36 Weapons Locating System, counter-battery Target Acquisition Radar
- FFQ37:** Fire Finder AN/TPQ-37 Version Weapons Locating System, counter-battery Target Acquisition Radar
- FFW:** Future Force Warrior
- Field OPF:** Field Operational Flight Program
- FMCB2:** Force XXI Mission Command Brigade-and-Below
- FMCB2 PDSS:** Force XXI Mission Command Brigade-and-Below Post Development Software Support
- FMIS:** Financial Management Information System
- FMS:** Foreign Military Sales
- FMTF:** Financial Management Tactical Platform
- FOS:** Forward Observer System
- FPS:** Force Protection Systems
- FRHN:** Fixed Regional Hub Node
- FSD:** Field Support Division
- FSE:** Field Support Engineer
- FSED:** Fires Software Engineering Division
- FSMD:** Field Support Management Division
- G3:** Office of the Deputy Chief of Staff for Personnel (ODCSPER)
- G4:** Office of the Deputy Chief of Staff for Logistics (ODCSLOG)
- G8:** Office of the Deputy Chief of Staff for Programs
- GCSS-A:** Global Combat Support System–Army
- GDUR:** Gun Display Unit–Replacement
- GCSS-A:** Global Combat Support System–Army
- GIG:** Global Information Grid
- GMR:** Program Manager Ground Mobile Radio
- GPS:** Global Positioning System
- GPS Air Force/Navy/Marines:** Global Positioning System Air Force/Navy/Marines
- GPS Army:** Global Positioning System Army
- GRCS/GGB:** Guardrail Common Sensor/Guardrail Ground Baseline SYSTEM
- GSCCE:** Global SATCOM Configuration Control Element
- GSTAMIDS:** Ground Standoff Minefield Detection Systems
- GTC3S:** Global Terrestrial Critical Control Circuit System
- HCLOS:** High Capacity Line of Sight
- HDT:** Help Desk Tickets
- HDT/ECP-S:** Help Desk Tickets/Engineering Change Package-Software
- HF Radio:** High Frequency Radio
- HFDS:** Hostile Fire Detection System
- HIMARS:** High Mobility Artillery Rocket System
- HLS:** Homeland Security
- HMDA:** High Mobility Digital Group Multiplexer (DGM) Assemblage
- HSIB:** Hardware/Software Integration Branch
- HSIF:** Hardware/Software Integration Facility
- HSTAMIDS:** Handheld Standoff Mine Detection System
- I2S2:** Intelligence and Information Software Support Division
- IA:** Information Assurance
- IA C&A:** Information Assurance Certification & Accreditation
- IAIC:** Intra-Army Interoperability Certification
- IASO:** Information Assurance Security Officers
- IAVA:** Information Assurance and Vulnerability Assessment
- IAVM:** Information Assurance Vulnerability Management

- ICP:** Interim Change Packages
- ICP/SCP:** Interim Change Packages/System Change Packages
- IDM:** Improved Data Modem
- IDM S302/S304–SYSTEM:** Improved Data Modem Series 302 and Series 304
- IDM Series 304–SYSTEM:** Improved Data Modem Series 304
- IFF APX-118/123–SYSTEM:** AN/APX-118 and AN/APX-123 Identify Friend or Foe
- IFS:** Integrated Facilities System
- IFSD:** Intelligence Fusion Systems Division
- IGARS:** Inspector General's Automated Reporting System
- IMSE:** Improved Mobile Subscriber Equipment
- INC:** Interface Network Controller
- INSCO:** United States Army Intelligence Command
- IPB/EPB:** Intelligence/Electronic Preparation of the Battlefield
- IPv6:** Internet Protocol Version 6
- IR:** Infrared
- iSQA:** Independent Software Quality Assessment
- ISR:** Intelligence, Surveillance and Reconnaissance
- ISR COMM:** Intelligence, Surveillance and Reconnaissance Combatant Commands
- ISYSCON:** Integrated System Control
- IT:** Information Technology
- IV&V:** Independent Verification & Validation
- JACEL:** Joint Tactical Radio System (JTRS) Army Center of Excellence Lab
- JC31EDM:** Joint Consultation, Command and Control Information Exchange Data Model
- JCALs:** Joint Computer-Aided Acquisition & Logistics Support
- JCREW:** Joint Counter RCIED (Radio Controlled Improvised Explosive Device) Electronic Warfare
- JCSE:** Joint Communications Support Element
- JCSE CERDEC:** Joint Communications Support Element Communications and Electronics R&D Center
- JFCOM:** Joint Forces Command
- JIEDDO:** Joint Improvised Explosive Device Defeat Organization
- JIMI:** Joint, Interagency and Multinational Interoperability
- JIT:** Joint Interoperability Tests
- JITC:** Joint Interoperability Test Command
- JMAR:** Joint Medical Asset Repository
- JMOS:** Joint Management Operations System
- JNMS:** Joint Network Management System
- JNN Army/JNMS Army:** Joint Network Mode/ Joint Network Management System
- JNN Marines:** Joint Network Mode Marines
- JOIN:** Joint On-Demand Interoperability Network
- JPEO JTRS/JTRS Ground Domain:** Joint Program Executive Office for the Joint Tactical Radio System/JTRS Ground Domain
- JSCCE:** Joint Communications Support Element
- JTF:** Joint Task Force
- JTM:** Joint Technical Manual
- JTRS:** Joint Tactical Radio System
- JTRS GMR:** Joint Tactical Radio System Program Manager, Ground Mobile Radio
- JTRS HMS:** Joint Tactical Radio System Handheld, Manpack, Small Form Fit
- JTT-B:** Joint Tactical Terminal–Briefcase SYSTEM
- JTT-IBS:** Joint Tactical Terminal–Integrated Broadcast Service SYSTEM
- JTT-SR:** Joint Tactical Terminal–Senior SYSTEM
- JUICE:** Joint User Interoperability Communications Exercise
- JUMPS:** Joint Unified Maritime Protection System
- KA-STARS:** Ka-Band Satellite Earth Terminal
- KPP:** Key Performance Parameter
- L:** Light
- LCMC:** Life Cycle Management Command
- LCMC IT-FSB:** Life Cycle Management Command Information Technology Software Engineering Center
- LCMR:** Lightweight Counter Mortar Radar
- LDNS–SYSTEM:** AN/ASN-128 Lightweight Doppler Navigation System
- LDS:** Laser Detector Sets
- LED:** Logistics Enterprise Directorate
- LMP:** Logistics Modernization Program

- LRC:** Logistics Readiness Center
- MADSO:** Message Address Directory System Owner
- MASINT:** Measurement and Signal Intelligence
- MATDEV:** Materiel Developer
- MC:** Mission Command
- MC/C4SIR:** Mission Command/Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance
- MCCS:** Mission Command Common Services
- MCS:** Mission Command Server
- MCS3:** Mission Command Sustainment Support System
- MCST:** Mission Command Staff Trainer
- MCCES:** Marine Corps Communications Electronics School
- MCDS:** Multimedia Content Distribution System
- MCS:** Maneuver Control System
- MEDCOM:** Medical Command
- MEPCOM:** Mobile Electric Power Command
- MET:** Modernization of Enterprise Terminal
- MFCS:** Mortar Fire Control System
- MFE:** Material Fielding Exception
- MIDAS:** Multiplexer Integration and Digital Communications Satellite Subsystem Automation System
- MILS:** Multiple Independent Levels of Security
- MLRS:** Multi-Launch Rocket System
- MMS:** Meteorological Measuring Set
- MMS-P:** Meteorological Measuring Set-Profiler
- MNIK:** Manpackable Network Integration Kit
- MTS:** Movement Tracking System
- Multi-INT:** Multi-intelligence
- MUXTOOLKIT:** Multiplex Toolkit of Advanced Multiplex Test System (AMTS) and Army Multiplex Avionics Tester (AMAT)
- MVU:** Mobile Virtualization Unit
- NCES:** Net-Centric Enterprise Services
- NETOPS:** Network Operations
- NGA:** National Geospatial-Intelligence Agency)
- NOC-V:** Networks Operation Center Vehicle
- NGB:** National Guard Bureau
- NSA:** National Security Agency
- NSI:** Network Systems Integration
- NSPS:** National Security Personnel System
- NTAV:** Navy Total Asset Visibility
- OAN:** Operational Area Network
- OASD NII:** Office of Assistant Secretary of Defense Network and Information Integration
- OCONUS:** Outside the Continental United States
- ODOCS:** Objective Defense Satellite Communications Systems (DSCS) Operational Control Subsystem
- OFFP:** Operational Flight Program
- OH58D:** Observation Helicopter, Model “58,” version “D” (Kiowa Warrior)TUAV—Tactical Unmanned Aerial Vehicle
- OSD:** Office of the Secretary of Defense
- OSD NII:** Office of the Secretary of Defense of the Army Networks Information Integration
- OSS:** Operational Software Systems
- Other DoD:** Other Department of Defense
- PASS:** Performance Assessment Tool
- PBUSE:** Property Book Unit Supply Enhanced
- PdD:** Product Director
- PdD ANMP:** Product Director Aviation Networks & Mission Planning
- PdD ASE:** Product Director Aircraft Survivability Equipment
- PdD CHARCS:** Product Director Counterintelligence Human Intelligence Automated Reporting and Collection
- PdD COMSEC:** Product Director Communication Security
- PdD C-RAM:** Project Director Counter Rocket, Artillery and Mortar
- PdM:** Product Manager
- PdM AESIP:** Product Manager Army Enterprise Systems Integration Program
- PdM AFATDS:** Product Manager Advanced Field Artillery Tactical Data System
- PdM Air Warrior:** Product Manager Air Warrior
- PdM Apache:** Product Manager Apache

- PdM AGSE:** Product Manager Aviation Ground Support Equipment
- PdM ASAS:** Product Manager All Source Analysis System
- PdM ASE:** Product Manager Aircraft Survivability Equipment
- PdM ATC:** Product Manager for Air Traffic Control Systems
- PdM Blackhawk:** Product Manager Blackhawk
- PdM Bradley:** Product Manager Bradley
- PdM Cargo:** Product Manager Cargo
- PdM CCS:** Product Manager Communications Control Set
- PdM Command Post:** Product Manager Command Post
- PdM CREW:** Product Manager-Counter Radio Controlled Improvised Explosive Device Electronic Warfare
- PdM DCATS:** Product Manager Defense Communications and Army Transmission Systems
- PdM DCGS-A:** Product Manager Distributed Common Ground Station-Army
- PdM DWTS:** Product Manager Defense Wide Transmission System
- PdM EW:** Product Manager Electronic Warfare
- PdM FSC2:** Product Manager Fire Support Command and Control
- PdM Fixed Wings:** Product Manager Fixed Wings
- PdM FMCB2:** Product Manager Force XXI Mission Command Brigade-and-Below
- PdM GPS:** Product Manager Global Positioning System
- PdM HBCT:** Product Manager Heavy Brigade Combat Team
- PdM HMS:** Product Manager Handheld Manpack and Small Form Fit
- PdM ISR:** Product Manager Intelligence, Surveillance Reconnaissance
- PdM J-AIT:** Product Manager Joint-Automatic identification Technology
- PdM JCALS:** Product Manager Joint Computer-Aided Acquisition & Logistics Support
- PdM JIMI:** Product Manager Joint, Interagency Multinational Interoperability
- PdM LMP:** Product Manager Logistics Modernization Program
- PdM MC:** Product Manager Mission Command
- PdM MCS3:** Product Manager Mission Command—Software Support Services
- PdM MC SIF:** Product Manager Mission Command—Single Interface to the Field
- PdM MEP:** Product Manager Mobile Electric Power
- PdM MNVR:** Product Manager Mid-Tier Networking Vehicular Radio
- PdM MTS:** Product Manager Movement Tracking System
- PdM NETOPS:** Product Manager Network Operations
- PdM Network Systems:** Product Manager Network Systems
- PdM/PM NLOS:** Product Manager/Program Manager Non-Line of Sight
- PdM NSI:** Product Manager Network Systems Integration
- PdM Paladin:** Product Manager Paladin
- PdM Prophet:** Product Manager Prophet
- PdM RUS:** Product Manager Robotics and Unmanned Sensors
- PdM Scout Attack:** Product Manager Scout Attack
- PdM TIS:** Product Manager Transportation Information System
- PdM TMC:** Product Manager Theater Business Clearance of Tactical Mission Command
- PdM WIN-T:** Product Manager Warfighter Information Network-Tactical
- PDSS:** Post Development Software Support
- PEO:** Program Executive Officer
- PEO Ammo:** Program Executive Officer Ammunition
- PEO Ammunition:** Program Executive Officer Ammunition
- PEO ARMOR:** Program Executive Officer Armor
- PEO AVIATION:** Program Executive Officer Aviation
- PEO C3T:** Program Executive Officer Command, Control and Communications—Tactical
- PEO C3T PdM MC:** Program Office Command, Control and Communications—Tactical Product Manager Mission Command

- PEO C3T/PdM CP:** Program Executive Officer Command, Control and Communications—Tactical Product Manager Command Post
- PEO C3T/PdM WIN-T:** Program Executive Officer Command, Control and Communications—Tactical Product Manager Warfighter Information Network—Tactical
- PEO C3T SPO:** Program Executive Officer Command, Control and Communications—Tactical Special Project Office
- PEO CS & CSS:** Program for Executive Office, Combat Support and Combat Service Support
- PEO EIS:** Program Executive Officer Enterprise Information Systems
- PEO EIS OD:** Program Executive Office Enterprise Information Systems Operations Division
- PEO EIS PdM DMS-Army:** Program Executive Officer Product Manager Defense Messaging Service—Army
- PEO EIS-Army:** Program Executive Officer Enterprise Information Systems—Army
- PEO GCS:** Program Executive Officer Enterprise Information Systems/Product Manager Defense Communications and Army Transmission Systems
- PEO IEW&S:** Program Executive Officer Intelligence, Electronic Warfare and Sensors
- PEO IEW&S PdM Radars:** Program Executive Officer Intelligence, Electronic Warfare and Sensors Product Manager Radars
- PEO IEW&S/PdM GPS:** Program Executive Officer Intelligence, Electronic Warfare and Sensors Product Manager Global Positioning System
- PEO Integration:** Program Executive Officer Integration
- PEO JMIS:** Program Executive Office Joint Medical Information Systems
- PEO M&S:** Program Executive Office Missiles & Space
- PEO/PM:** Program Executive Officer/Program/Project Manager
- PEO Soldier:** Program Executive Officer Soldier
- PET:** Performance Evaluation Tool
- PFED:** Pocket Sized Forward Entry Device
- PHOENIX:** not an acronym, but the system's long name is Tactical Super High Frequency Satellite Terminal
- PM:** Program/Project Manager
- PM AAH:** Project Manager Apache Attack Helicopter
- PM AcqBus:** Program Manager Acquisition Business
- PM CAS:** Project Manager Combat Ammunition Systems
- PM CM & EOD:** Project Manager Countermine & Explosive Ordinance Disposal
- PM DHIMS:** Program Manager Defense Health Information Management System
- PM DHSS:** Program Manager Defense Health Services Systems
- PM GFEBs:** Project Manager General Fund Enterprise Business System
- PM HBCT:** Project Manager Heavy Brigade Combat Team
- PM LIS:** Project Manager Logistics Information Systems
- PM MaTIC:** Program Manager Meteorological and Target Identification Capabilities
- PM NV/RSTA:** Project Manager Night Vision/Reconnaissance Target Acquisition
- PM P2E:** Program Manager Power Project Enabler
- PM SW:** Project Manager Signal Warfare
- PM SWAR:** Project Manager Soldier Warrior
- PM Tactical Radios:** Project Manager Tactical Radios
- PM TIMS:** Project Manager Target Identification and Meteorological Sensors
- POA&M:** Plans of Actions and Milestones
- PPSS:** Post Production Software Support
- PSIP:** Personnel Security Investigation Portal
- R&D:** Research and Development
- RAPTER:** Reporting and Planning Terminal
- RBECS/ACES:** Revised Battlefield Electronic Communications System/Army Communications Engineering Software
- RC-12:** RC-12 Aircraft Survivability Equipment/Avionics Control System (ASE/ACS)
- RC-12 ASE/ACS-SYSTEM:** RC-12 Guardrail Aircraft Survivability Equipment/Avionics Control System
- RCIED:** Remote Control Improvised Explosive Device

- RDIT:** Replication, Distribution, Installation and Training
- RFID:** Radio Frequency Identification
- RFIS:** Radar Frequency Interferometer
- R-RFIS:** Replacement Radio Frequency Interconnecting System
- RFMOW:** Replacement Frequency Modulated Orderwire
- RSCCE:** Replacement Satellite Configuration Control Element
- S2AS:** Spectrum Situational Awareness System
- SA:** Situational Awareness
- SAAS-MOD:** Standard Army Ammunition System-MOD
- SAM:** Supplier Agreement Management
- SAM/CALM:** Software Asset Management / Centralized Acquisition and License Management
- SAMD:** Security Assistance Management Division
- SAMS:** Standard Army Maintenance System
- SAMS-E:** Standard Army Maintenance System-Enhanced
- SAMS-E/EI:** Standard Army Maintenance System Enhanced/Installation Enhanced
- SAMS-E/IE:** Standard Army Maintenance System Enhanced/Installation Enhanced
- SARSS:** Standard Army Retail Supply System
- SATCOM:** Satellites Communications
- Satellite COMM Division:** Satellite Combatant Commands Division
- SBIR:** Small Business Innovative Research
- SCAMP IPV:** Single Channel Anti-Jam Man-Portable International Partner Variant
- SCI:** Sensitive Compartmented Information
- SCL:** Special Communications Link
- SCP:** System Change Packages
- SCRO:** Software Control & Reference Office
- SCS:** Satellite Communications Set
- SDDC:** Surface Deployment and Distribution Command
- SDIN:** System Development and Integration Network
- SDS:** Standard Depot System
- SEC:** Software Engineering Center
- SEC SAM/CALM:** Software Engineering Center Software Asset Management/Centralized Acquisition and License Management
- SIF:** Single Interface to the field
- SIGCEN FSPO:** Signal Center Frequency Spectrum Proponent Office
- SIGCEN LCIT:** Signal Center Leader College of Information Technology
- SIGINT:** Signals Intelligence
- SIL:** Software Integration Laboratories
- SINGGARS:** Single Channel Ground and Airborne Radio System
- SJTF:** Standing Joint Task Force
- SLV:** Software Loader Verifier
- SMART-T:** Secure Mobile Anti-Jam Reliable Tactical Terminal
- SME:** Subject Matter Expert
- SO:** System Owner
- SOA:** Services Oriented Architecture and Special Operations Aircraft
- SOA Migration:** Services Oriented Architecture and Special Operations Aircraft Migration
- SOAR:** Special Operations Aircraft Regiment
- SOC:** SEC Operations Center
- SOM:** Special Operations Manual
- SOS:** Systems of Systems
- SOS Interoperability:** Systems of Systems Interoperability
- SOSCOE:** System-of-Systems Common Operating Environment
- SOSCOE-based TOC:** Systems-of-Systems Common Operating Environment-based Tactical Operations Center
- SPAWAR:** Space & Naval Warfare Systems Command (Navy)
- SPS:** Standard Procurement System
- SS:** Single Source
- SRW:** Soldier Radio Waveform
- SSS:** Software Suitability Sustainment
- SSS V3/V4:** Single Shelter Switch version 3 or version 4
- SSS V4:** Single Shelter Switch version 4

STAMIS: Standard Army Management Information Systems

SW: Software

SWA OEF: Southwest Asia Operation Enduring Freedom

SWA OIF: Southwest Asia Operation Iraqi Freedom

SWIT: SOS Integration and Test

SWLAN: Secure Wireless Local Area Network (LAN)

TACOM/ARDEC: Tactical Communications Armament Research, Development and Engineering Center

Tactical COMM Division: Tactical Combatant Commands Division

TAIS: Tactical Airspace Integration System

TBC Services: Theatre Business Clearance Services

TC-AIMS: Transportation Coordinator's Automated Information For Movements System

TCIM: Tactical Communications Interface Modem

TCM: US Army Training and Doctrine Command (TRADOC) Capability Manager

TCM Sensor Processing: Training & Doctrine Command (TRADOC) Capabilities Manager Sensor Processing

TCM-Maneuver Support Center: Training & Doctrine Command (TRADOC) Capabilities Manager Maneuver Support Center

TDL: Tactical Data Link

TFMD: Tactical Fuel Management Defense

TLD: Technical Logistics Directorate

TLDD: Tactical Logistics Data Digitization

TLS: Tactical Logistics Systems

TLS/MTS DX: Tactical Logistics Systems/Movement Tracking Systems Direct Exchange

TM: Technical Manual

TMC: Tactical Mission Command

TMC Services: Tactical Mission Command Services

TMS: Tactical Message System

TO: Task Orders

TRADOC: Training & Doctrine Command (US Army)

TS3: Tactical Services Security System

TSP: Tactical Signals Intelligence (SIGINT) Payload

TYAD: Tobyhanna Army Depot

UCORE: Universal Core

ULLS-A: Unit Level Logistic System-Aviation

ULLS-AE: Unit Level Logistics System-Aviation Enhanced

UMC: Unified Mission Command

UPT: Universal Purge Tool

USAF: United States Air Force

USARC: United States Army Reserve Command

USASMDC: US Army Space & Missile Defense Command

USF: Unit Set Fielding

USMC: United States Marine Corps

USMTF: US Message Text Format

(V)2-SYSTEM: Radar Warning Receiver

Vi: Name of the UNIX text editor suite

VMF: Variable Message Format

VMWare: Company Name

VOIP: Voice over Internet Protocol

VOSIP: Voice over Secure Internet Protocol

WAWF: Wide Area Workflow

WHS: Washington Headquarters Services

WIMAX: Worldwide Interoperability for Microwave Access

WIN-T: Warfighter Information Network-Tactical

WMA: Warfighter Mission Area

WSS: Workstation Suite

WSTARS: Wideband SATCOM Trend Analysis and Anomaly Resolution System



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