



DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY MATERIEL COMMAND
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333 - 0001

REPLY TO
ATTENTION OF

AMCIO-T (25)

25 January 1999

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy for Implementation of the Joint Computer-Aided Acquisition and Logistic Support (JCALS) System, #99-01

1. It is imperative that the Army Materiel Command (AMC) realizes to the maximum extent possible the efficiencies and benefits inherent in the development of the Integrated Data Environment (IDE) initiatives being developed within this Command. The JCALS system provides the tools to implement this strategy and to establish enterprise integration, i.e., sharing data across IDEs. Effective immediately, it is the policy of this Command that JCALS tools and associated infrastructure will be incorporated into the design of all new and reengineered automated systems and applications supporting acquisition and logistics life-cycle management processes. Alternately, use of commercial off the shelf (COTS) capabilities with a proven, existing interface or commitment to develop an interface to JCALS is an acceptable approach and will maintain the integrity of an IDE. A waiver is required if it is not JCALS or Information Systems Architecture (ISA) Common Operating Environment (COE) compliant. Deviations from this policy will require approval of the Deputy Chief of Staff for Corporate Information (DCSCI) and will be authorized only when justification is presented that the required capability is not provided by JCALS or that an improvement in cost/benefit can be achieved through other means. Further guidance is enclosed.

2. The objective of this policy, which supports the AMC Information Technology (IT) Strategic Plan, is to achieve a common technical and process framework within and among AMC's core competencies. The JCALS is Defense Information System Agency Common Operating Environment and Joint Technical Architecture - Army compliant. The JCALS is in consonance with the standards prescribed within the AMC Information Systems Architecture which provides the technical standards within this command for IT modernization, migration, synchronization, and integration. These standards orient functional applications toward a more integrated digital environment.

3. The AMC's vision makes IT the key enabler for accomplishing the "Revolution in Military Logistics". The maximum use of

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JCALs will reduce the costs and reduce duplication of system development efforts within this Command.

4. Points of contact for this action are Elizabeth Malter, AMCIO-T, DSN 767-8327, Commercial (703) 617-8327 and Jean Lamb, AMCCA, DSN 767-7774, Commercial (703) 617-7774.

5. AMC -- America's Arsenal for the Brave.

Encl


JOHNNIE E. WILSON
General, USA
Commanding

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H

B

Commander, U.S. Army Information Systems Engineering Command,
ATTN: AMSEL-IE-SP (Mr. Usry), Fort Huachuca, AZ 85613-5300
Brigadier General Buford C. Blount III, Program Manager, Saudi
Arabian National Guard Modernization Program, Saudi Arabian
National Guard, Unit 613304, APO AE 09803-1304
Colonel Samuel N. Cannon, Project Manager, Tank-Automotive Weapon
Systems, U.S. Army Tank-automotive and Armaments Command,
Warren, MI 48397-5000
Colonel Charles K. Curcio (USMC), Project Manager, Unmanned
Ground Vehicles, U.S. Army Aviation and Missile Command,
Redstone Arsenal, AL 35898-8060
Colonel Thomas E. Dresen, Project Manager, Mines, Countermine and
Demolitions, Picatinny Arsenal, NJ 07806-5000
Colonel Albert J. Hamilton III, Program Manager, Test,
Measurement and Diagnostic Equipment, U.S. Army Aviation and
Missile Command, Redstone Arsenal, AL 35898-5400
Colonel Alan R. Hammond, Project Manager, Combined Arms Tactical
Trainers, U.S. Army Simulation, Training and Instrumentation
Command, 12350 Research Parkway, Orlando, FL 32826-3276
Colonel Craig B. Hanford, Project Manager, Training Devices,
U.S. Army Simulation, Training and Instrumentation Command,
12350 Research Parkway, Orlando, FL 32826-3276
Colonel Thomas Harrison, Project Manager, Utility Helicopter,
U.S. Army Aviation and Missile Command, Redstone Arsenal, AL
35898

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Colonel Bruce D. Jette, Project Manager, Soldier, 10401 Totten Road, Suite 121, Fort Belvoir, VA 22060-5852

Colonel Robert A. Kirsch II, Project Manager, Information Management and Telecommunications Pentagon Renovation, The Pentagon Renovation Support Complex, 100 Boundary Channel Road, Arlington, VA 22202

Colonel Thomas M. Lytle (USMC), Project Manager, Light Armored Vehicles, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

Colonel James McKan, Project Manager, Defense Communications and Army Switched Systems, Building 283, Fort Monmouth, NJ 07703-5605

Colonel Roy D. Millar, Project Manager, Enhanced Fiber Optic Guided Missile, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5793

Colonel Stephen V. Reeves, Project Manager, Nuclear, Biological and Chemical Defense Systems, U.S. Army Chemical and Biological Defense Command, Building E4465, Aberdeen Proving Ground, MD 21010-5423

Colonel Michael Rogers, Project Manager, Warfighter Simulation, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276

Colonel Mark W. Russell, Project Manager, Instrumentation, Targets and Threat Simulators, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276

Colonel Donald F. Schenk, Project Manager, Combat Mobility Systems, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

Colonel James A. Wells, Project Manager, Mobile Electric Power, 7798 Cissna Road, Suite 200, Springfield, VA 22150-3199

Lieutenant Colonel Donald J. Burton, Product Manager, Heavy Assault Bridge (Wolverine), U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

Lieutenant Colonel Alfred Coppola, Product Manager, Firefinder, U.S. Army Communications-Electronics Command, Building 2525, Bay 1, Fort Monmouth, NJ 07703

Lieutenant Colonel Michael Davis, Product Manager, Force Provider, U.S. Army Soldier Systems Command, 100 Kansas Street, Natick, MA 01760

Lieutenant Colonel Genaro J. Dellarocco, Product Manager, Petroleum and Water Systems, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

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- Lieutenant Colonel Joseph A. Durso, Product Manager, Air Traffic Control, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898
- Lieutenant Colonel Kent W. Eisele, Product Manager, Mortar Systems, U.S. Army Armament Research, Development and Engineering Center, Picatinny Arsenal, NJ 07806-5000
- Lieutenant Colonel Matthew J. Fair, Product Manager, Ground Combat Training Systems, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276
- Lieutenant Colonel Clovis G. Gault, Jr., Product Manager, Live Training Systems, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276
- Lieutenant Colonel Clement E. Greek IV, Product Manager, Synthetic Environment Advanced Distribution System, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276
- Lieutenant Colonel Robert E. Hallagan, Product Manager, Air and Command Training Systems, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276
- Lieutenant Colonel Edward Hillenbrand, Product Manager, Information Warfare, 7484 Candlewood Road, Suite M-L, Hanover, MD 21076
- Lieutenant Colonel Russell J. Hrdy, Product Manager, M1 Breacher (Grizzly), U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000
- Lieutenant Colonel Wilfred E. Irish III, Product Manager, Small Arms, U.S. Army Armament Research, Development and Engineering Center, Picatinny Arsenal, NJ 07806-5000
- Lieutenant Colonel Charles Jones, Project Manager, Multi-Purpose Individual Munition/Short Range Assault Weapon, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898
- Lieutenant Colonel Brian C. Keller, Product Manager, Soldier Support, U.S. Army Soldier Systems Command, Natick, MA 01760-5019
- Lieutenant Colonel William G. Lake, Jr., Product Manager, Fixed Wing Aircraft, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898
- Lieutenant Colonel Joseph Lofgren, Product Manager, Global Positioning System, U.S. Army Communications-Electronics Command, Building 914, Fort Monmouth, NJ 07703

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Lieutenant Colonel Harry W. McClellan, Jr., Product Manager, Construction Equipment and Materials Handling Equipment, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

Lieutenant Colonel Edward McCoy, Product Manager, Defense Data Networks, U.S. Army Communications-Electronics Command, Building 283, Fort Monmouth, NJ 07703-5605

Lieutenant Colonel Ray Montford, Product Manager, Digital Switch Systems Modernization Program, U.S. Army Communications-Electronics Command, Building 283, Fort Monmouth, NJ 07703-5605

Lieutenant Colonel Tommie E. Newberry, Project Manager, Stinger, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898

Lieutenant Colonel John Norwood, Product Manager, Defense Satellite Communication Systems Installations, U.S. Army Communications-Electronics Command, Building 283, Fort Monmouth, NJ 07703-5605

Lieutenant Colonel R. David Ogg, Jr., Product Manager, M113/M60 Family of Vehicles, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000

Lieutenant Colonel Christopher J. Parker, Product Manager, Smoke/ Obscurants, U.S. Army Chemical and Biological Defense Command, Aberdeen Proving Ground, MD 21010-5423

Lieutenant Colonel Steve Pinter, Product Manager, Enhanced Soldier System, 10401 Totten Road, Suite 121, Fort Belvoir, VA 22060-5852

Lieutenant Colonel Stephen L. Rust, Product Manager, Command, Control, Communication and Computers Intelligence Simulation Systems, U.S. Army Simulation, Training and Instrumentation Command, 12350 Research Parkway, Orlando, FL 32826-3276

Lieutenant Colonel Robert M. Serino, Product Manager, Land Warrior, 10401 Totten Road, Suite 121, Fort Belvoir, VA 22060-5852

Lieutenant Colonel Bruce Swagler, Product Manager, Physical Security Equipment, U.S. Army Communications-Electronics Command, 5900 Putnam Road, Suite 1, Fort Belvoir, VA 22060-5420

Lieutenant Colonel Oscar B. Valent, Product Manager, Automatic Test Support Systems, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5400

Lieutenant Colonel James E. Weger, Product Manager, Cobra and Kiowa Warrior, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898

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- Lieutenant Colonel Karl A. Wickizer, Product Manager, Special Program A202, Aviation Applied Technology Directorate, U.S. Army Aviation and Missile Command, Building 404, Fort Eustis, VA 23604-5577
- Mr. Roland A. Asoklis, Project Manager, Future Scout and Cavalry System, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000
- Ms. Debra O. Davis, Product Manager, Heavy Equipment Recovery Combat Utility Lift and Evacuation System (Hercules), U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000
- Mr. E. Carroll Gagnon, Product Manager, Paladin/Field Artillery Ammunition Support Vehicle, U.S. Army Tank Automotive and Armaments Command, Picatinny Arsenal, NJ 07806-5000
- Ms. Yvonne Jackson, Product Manager, Small Computer Program, U.S. Army Communications-Electronics Command, Building 283, Fort Monmouth, NJ 07703-5605
- Mr. Dennis R. Legel, (Acting) Project Manager, Chemical Stockpile Emergency Preparedness Program, Aberdeen Proving Ground, MD 21010-5423
- Mr. Wes McElveen, Project Manager, 2.75-inch Rocket System, U.S. Army Industrial Operations Command, Rock Island, IL 61299-6000
- Ms. Nancy A. Moulton, Project Manager, Light Tactical Vehicles, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000
- Mr. Robert W. Morris, Product Manager, Information Technology Services, 100 Boundary Channel Drive Arlington, VA 22202-3712
- Ms. Joanne Powell, Project Manager, Defense Satellite Communications System Terminals, U.S. Army Communications-Electronics Command, Fort Monmouth, NJ 07703
- Mr. Joseph Myers, Product Manager, Test Equipment Modernization/Calibration Sets Equipment Program, U.S. Army TMDE Activity, U.S. Army Aviation and Missile Command, Redstone Arsenal, AL 35898-5400
- Mr. Harvey J. Slovin, Project Manager, Defense Communications and Army Transmission Systems, U.S. Army Communications-Electronics Command, Building 283, Fort Monmouth, NJ 07703-5605
- Mr. James C. Sutton, Project Manager, Heavy Tactical Vehicles, U.S. Army Tank-automotive and Armaments Command, Warren, MI 48397-5000
- Mr. David R. Walker, Deputy Program Manager, Saudi Arabian National Guard Modernization Program, Washington Field Office, U.S. Army Materiel Command, 5001 Eisenhower Avenue, Alexandria, VA 22333-0001

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CF:

Honorable Paul J. Hoeper, Assistant Secretary of the Army for Research, Development and Acquisition, 103 Army Pentagon, Washington, DC 20310-0103

Honorable Alma Moore, Acting Assistant Secretary of the Army for Installations, Logistics and Environment, 110 Army Pentagon, Washington, DC 20310-0110

Lieutenant General William H. Campbell, Director of Information Systems for Command, Control, Communications and Computers, 107 Army Pentagon, Washington, DC 20310-0107

Lieutenant General John G. Coburn, Deputy Chief of Staff for Logistics, 500 Army Pentagon, Washington, DC 20310-0500

Major General James R. Snider, Program Executive Officer, Aviation, Building 5681, Redstone Arsenal, AL 35898

Major General John F. Michitsch, Program Executive Officer, Ground Combat and Support Systems, Picatinny Arsenal, NJ 07806-5000

Major General David R. Gust, Program Executive Officer, Intelligence, Electronic Warfare and Sensors, Fort Monmouth, NJ 07703-5000

Brigadier General Daniel L. Montgomery, Program Executive Officer, Air and Missile Defense, P.O. Box 1500, Huntsville, AL 35807-3801

Brigadier General Steven W. Boutelle, Program Executive Officer, Command, Control and Communications Systems, Fort Monmouth, NJ 07703-5401

Colonel (P) John W. Holly, Program Executive Officer, Tactical Missiles, Redstone Arsenal, AL 35898-8000

Colonel Scipio deKanter, Program Executive Officer, Standard Army Management Information Systems, 9350 Hall Road, Suite 142, Fort Belvoir, VA 22060-5526

SUBJECT: Integrated Data Environment (IDE) Goals

1. References:

- a. DOD Regulation 5000.2-R, 23 March 1998.
- b. Army Joint Technical Architecture.
- c. Deputy Secretary of Defense Memorandum dated 2 July 1997, Subject: Policy for the Transition to a Digital Environment for Acquisition Programs.
- d. Under Secretary of Defense (Acquisition and Technology) memorandum, dated 15 July 1997, Subject: Guidance for the transition to a Digital Environment for Acquisition Program.
- e. Assistant Secretary of the Army (Research, Development and Acquisition) Memorandum dated 24 October 1995, Subject: Army Acquisition Executive Policy Memorandum - Digitized Acquisition Data Policy.
- f. U.S. Army Materiel Command (AMC), Integrated Data Environment (IDE) Strategic Draft Plan, dated 24 September 1998.

2. The Army Materiel Command recognizes that Information Technology (IT) is the critical enabler that will allow achievement of AMC's Vision and Strategic Intent. The IT is the critical technology to accomplish the goals and realize the operational concepts outlined in referenced documents. It is also recognized that the much needed logistics revolution will involve both a change of culture and the creation of a new business environment. HQ AMC's vision of a seamless, fully integrated environment that spans acquisition and logistics activities, wholesale and retail activities and when necessary, connects Service and DOD Agencies for asset visibility. An environment which supports responsiveness and that enables interface and on-line interaction between government and industry at the corporate level and ultimately between vendors and customers at the operating level.

3. The AMC initiated the AMC Integrated Data Environment (IDE) using the JCALS infrastructure to provide the IDE backbone. Essentially, the JCALS infrastructure is the enabler for AMC's common operating environment. The catalyst is an Integrated Data Environment (IDE) that enables transparent connectivity, on-line data access and real time interaction among all relevant participants. Failure to achieve such a single AMC-wide IDE will perpetuate the

current "Islands of Automation", stovepipe systems that will render goals critical to Force 21 in such areas as interoperability, velocity management, and focused logistics incapable of realization. To support achievement of a single AMC-wide IDE, two integrated process teams (IPTs) were established and are working toward our goals. The Combat Developer IDE IPT is chaired by the Lead AMC Integration Support Office at AMCOM; the Material Developer IDE IPT is chaired by CECOM. Additionally, CECOM serves as the AMC Executive Agent for Information Management, and as such, plays a vital role in the AMC Business Systems Corporate Board and furtherance of AMC policy and direction.

4. The most significant benefit that AMC can reap from the DOD, DA and its own investment in the JCALS and JEDMICS Programs, the AMC IDE, and DII Pilot Programs is to:

- Use them to facilitate the rapid and cost-effective transition of AMC acquisition and life cycle support elements to a more productive digital environment, as directed in the referenced documents.

- Leverage them heavily to enable AMC to achieve the productivity improvements and restructuring goals specified in the Secretary of Defense's Defense Reform Initiative, Joint Vision 2010 and Army Vision 2010 within DPG constraints.

- Accordingly, AMC activities planning or implementing automation or IT initiatives will to the maximum extent possible use current capabilities:

- a. Leverage the JCALS Infrastructure: The JCALS architecture was designed and developed to support multiple acquisition and logistics functional applications. The Global Data Management System (GDMS), Work Flow Manager (WFM), Reference Library and other core features make the JCALS Infrastructure a powerful enabler for establishing a digital common operating environment. It was designed to accommodate a broad spectrum of functionality spanning both the Acquisition and Logistics mission areas. Many studies have shown that between 40% and 60% of the cost of developing and implementing an IT application are incurred in developing and fielding infrastructure. Since the JCALS Infrastructure is already developed, powerful and flexible, and government owned, significant savings in time and money can be realized by using it for literally any information management initiative.

b. **Leverage the IDE:** The AMC IDE, which uses the JCALS Infrastructure as the COE enabler, has been implemented or is being emplaced at all the Commodity Commands. Powerful software and large amounts of implementing hardware (Servers, Workstations, Routers, Communications, etc.) have been put on the ground in the process. The marginal or differential cost of using this emplaced infrastructure to accommodate additional functionality or applications should be significantly lower than a new start application.

c. **Leverage JEDMICS/JCALS Interoperability:** Technical data is the lifeblood of both acquisition and logistics. Ease and speed of access to tech data has been a driving requirement for JEDMICS and the tech data management systems that preceded it. With the technologies available today, it is imperative that technical data, particularly the TDPs needed for spares procurement, component repair or overhaul be readily accessible to authorized users and provided electronically on their desktops in a convenient and user-friendly manner. Essentially, this means that the identification of the repository that contains the object, connection to that repository, the log-in and access to the repository, and the search for the object (location) within the repository should be both expeditious and transparent to the user. JCALS can provide similar service for technical data in contractor's repositories in those cases where a shared data environment has been created by mutual agreement. JCALS provides, in addition to its interface to JEDMICS repositories, similar service for technical data in a contractor's repositories in those cases where a shared data environment has been created by mutual agreement.