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IN REPLY REFER TO:
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MARINE CORPS ORDER 4000.51C

From: Commandant of the Marine Corps
To: Distribution List

Subj: AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT)

Ref: (a) DTR 4500.9-R, Part II
        (b) DTR 4500.9-R, Part III
        (c) DFARS 252.211-7006
        (d) USD (AT&L) Memo, Acquisition Policy on Facilitating Vendor
            Shipments in the DOD Organic Distribution System, 23 July 2003
        (e) MIL-STD-129P W/CH 4
        (f) DLM 4000.25-1-M W/CH 2
        (g) SECNAVINST 7320.10A
        (h) USD (AT&L) Memo, Policy Update for Item Unique Identification of
            Tangible Personal Property, Including Government Property in the
            Possession of Contractors, 12 May 2005
        (i) DFARS 252.211-7003
        (j) MCO 4410.28
        (k) MIL-STD-130N W/CH 1
        (l) SECNAV M-5210.1

1. <u>Situation</u>. The purpose of this Order is to establish and publish an
Automatic Identification Technology (AIT) Policy for the Marine Corps. AIT
is defined as a suite of technologies to include, but not limited to: linear
barcodes, two-dimensional (2D) barcodes, magnetic strips, Integrated Circuit
Chips (ICC), Optical Memory Cards (OMC), Radio Frequency Identification
(RFID) (active and passive), and Contact Memory Buttons (CMBs). These enable
the automatic capture of source data, thereby enhancing the ability to
identify, track, and document materiel moving through the distribution chain
as well as deploying and redeploying personnel, equipment and materiel.
References (a) through (k) require each Department of Defense (DOD) service
component to acquire and/or incorporate (AIT) into its business process.
Recent deployments have made the implementation of AIT necessary due to
millions of dollars in equipment losses stemming from inaccurate
accountability of equipment. Further, AIT significantly reduces manpower
requirements for tracking equipment and personnel and saves hundreds of hours
spent maintaining asset visibility.

2. <u>Cancellation</u>. MCO 4000.51B.

3. <u>Mission</u>. This Order provides policy for the management and integration
of AIT into Marine Corps business processes to accurately capture source
data.

4. Execution

   a. Commander's Intent and Concept of Operations

      (1) Commander's Intent. The Marine Corps will provide the proper mix of technologies that allows users to efficiently and effectively capture, aggregate, and transfer data and information, and integrate with logistics Automated Information Systems (AISs), using the appropriate technology for the particular application. The Marine Corps identified three specific sets of AIT-enabled capabilities (identification, location and condition) based on assessments of both current and future requirements. Key elements of the intent are:

         (a) AIT will facilitate the capture and transfer of data to the appropriate AISs to the maximum extent practical. AIT will minimize the level of human intervention required to collect and transfer data to AISs.

         (b) The application and fielding of AIT shall be consistent and compatible throughout all business processes.

         (c) AIT decisions will be tailored to specific user requirements for accurate and timely data capture, process improvement, and enhanced warfighting capability.

         (d) While implementing and using new technology, all levels of procurement, supervision, and end users must be mindful of information security, information assurance, and safety.

         (e) AIT is a force multiplier with the potential capability to link adjacent and higher logistical organizations [i.e., Expeditionary Sustainment Command (ESC), Theater Support Command (TSC), Defense Logistics Agency (DLA), etc.] with accurate source data capture.

         (f) Incorporate records management requirements into AIS development and redesign.

      (2) Concept of Operations. The AIT policy provides the framework to establish, manage, and integrate a mixture of AIT into Marine Corps logistic processes. AIT, when combined with AISs, can provide accurate, timely, and detailed information about assets throughout the logistics chain as well as improve Marine Corps business processes and warfighting capabilities. The use of AIT to assist in logistics chain management is mandatory unless it is demonstrably proven through cost benefit or other analysis that implementation would not be practical.

   b. Subordinate Element Mission

      (1) Deputy Commandant, Installations and Logistics (DC, I&L)

         (a) Act as the Commandant of the Marine Corps (CMC) agent for AIT oversight and policy consistent with current DOD directives and guidance.

         (b) Establish and promulgate Marine Corps wide AIT policy.

         (c) Conduct annual review of AIT planning and execution to ensure compliance with this Order.

(d) Receive, review, prioritize, and submit AIT funding requirements to Deputy Commandant, Programs, and Resources (DC, P&R).

(e) Act as the AIT Functional Area Manager to coordinate the review of enabling technologies requirements and modifications.

(f) Coordinate with the Office of the Secretary of Defense (OSD), Joint Staff, DLA, and the other Services to ensure that Marine Corps AIT initiatives are interoperable.

(g) Ensure AIT data and information is timely, and available in USMC AIS to include mobility, logistics and distribution systems.

(2) Deputy Commandant, Programs and Resources

(a) Support Deputy Commandant, Installations and Logistics (DC, I&L) through its process to compete for AIT funds that will efficiently and economically support Marine Corps Forces.

(b) Ensure Program Objective Memorandum (POM) approved resources are distributed to efficiently execute AIT initiatives.

(3) Deputy Commandant, Aviation (DC, AVN). Coordinate with DC, I&L to integrate full use of aviation AIT efforts in logistics operations and ensure compatibility with ground AIT efforts.

(4) Deputy Commandant, Plans, Policies, and Operations (DC, PP&O). Establish policy and guidance for the security of Arms, Ammunition and Explosives (AA&E) and other critical assets, using AIT in support of AIS to the maximum extent possible.

(5) Commanding General, Marine Corps Logistics Command (CG, MARCORLOGCOM)

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order.

(b) Act as the focal point for all Marine Corps wholesale AIT life cycle management activities.

(c) Integrate AIT capabilities to enhance depot level maintenance of ground equipment.

(d) Develop/identify and pursue appropriate funding through POM program review for operations, integration, sustainment and maintenance of AIT.

(e) As end-to-end logistics chain manager and Distribution Process Owner (DPO) for the Marine Corps, coordinate and synchronize the use of AIT in accordance with Marine Corps and DOD policy to enable enterprise visibility and accountability.

(f) Support AIT incorporation in support of the Maritime Prepositioning Force (MPF) and Marine Corps Prepositioning Program – Norway (MCPP-N) programs via Blount Island Command (BIC).

(6) Commander, Marine Corps Systems Command (COMMARCORSYSCOM)

(a) Develop and implement internal command policies, plans, and procedures to facilitate the execution of this Order.

(b) Procure AIT equipment based on validated requirements using DOD established AIT and RFID contracts as applicable.

(c) Act as the focal point for all Marine Corps AIT procurement and life cycle management activities.

(d) Develop, identify and pursue appropriate funding for the acquisition, operation, integration, sustainment and maintenance of AIT in support of validated requirements.

(e) Ensure AIT equipment is supported and certified by Marine Corps Enterprise Network Designated Approving Authority (MCEN DAA).

(f) Develop Logistics Support Plans for AIT equipment in accordance with enterprise total life cycle management policies and objectives.

(g) Ensure all new procurements requiring IUID marking have the appropriate contract clause requiring the vendor to mark assets with IUID.

(h) Ensure depot maintenance statement of works have IUID language requiring the maintenance depots to mark assets with IUID.

(i) Incorporate active RFID language in Marine Corps contracts for shipments that rate an active RFID tag.

(j) Incorporate DFARS clause in Marine Corps contracts for passive RFID tagging in accordance with reference (c).

(k) Coordinate with DC, I&L for the purpose of formulating POM funding requirements in support of AIT activities as part of the Program Evaluation Board (PEB) process.

(7) Deputy Commandant, Combat Development and Integration

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order within the Expeditionary Force Development System (EFDS) process.

(b) Identify capabilities from a cross-functional perspective and develop integrated solutions in support of AIT requirements that comply with this Order.

(c) Coordinate with DC, I&L, DC, P&R, and COMMARCORSYSCOM for the purpose of formulating POM funding requirements in support of AIT activities as part of the PEB process.

(8) Commanders, Marine Corps Forces

(a) Develop and implement internal command policies and procedures to mandate the operational use of AIT.

(b) Ensure requisite personnel receive instruction and training on in the use of AIT as required.

(c) Provide to MCSC recommended changes or updates on the programmatic maintenance and logistics support plans for total life cycle of AIT.

(d) Ensure training events and exercises explicitly direct the use of AIT in support of all phases; deployment/execution/redeployment.

(9) Commander, Marine Corps Installation Command

(a) Develop and implement internal command policies and procedures to facilitate the execution of this Order.

(b) Provide facilities support (power, LAN, etc.) and ownership for active RFID interrogators and passive RFID portals.

(c) Incorporate approved AIT system architecture within their garrison Information Technology Infrastructure and provide required network connectivity of DC, I&L approved locations and cyber approved AIT devices.

(d) Ensure requisite personnel receive instruction and training in the use of AIT where applicable.

(e) Provide MCSC with recommended changes or updates on the programmatic maintenance and logistics support plans for total life cycle management of AIT.

(f) Ensure garrison Information Technology assets are accounted for in the appropriate Accountable System of Record (ASR).

(g) Coordinate the installation of fixed active RFID interrogators at Marine Corps installations to facilitate in-transit visibility in support of reference (a) and (b).

(10) Commanding General, Training and Education Command (CG, TECOM). Ensure AIT Programs of Instruction (POI) are included in applicable instructions and training under logistics functional and non-resident courses.

c. Coordinating Instructions

(1) Apply active RFID tags to containers, pallets (463L), Principal End Items (PEIs), and equipment during sustainment, unit move, ammunition, prepositioned equipment and retrograde shipments going to/from/within CONUS and OCONUS, including redeployment and reconstitution in accordance with reference (a) and (b).

(2) Deploy mobile active RFID Portable Deployment Kits (PDKs) to facilitate ITV where a permanent solution is not required or not installed yet.

(3) Generate DTR compliant linear/2D bar codes on Military Shipping Label (MSL), for all shipments in accordance with reference (a), (b), (d) and (e).

(4) Generate compliant linear/2D bar codes on DD Form 1348-1A Issue Release Receipt Documents, in accordance with reference (e) and (f).

(5) Generate and affix compliant linear/2D bar codes for all personal property recorded in the personal property system in accordance with reference (g).

(6) Apply 2D datamatrix bar codes to tangible assets in accordance with reference (h), (i), (j), and (k) under the following circumstances: (1) the acquisition cost is $5,000 or more, (2) it is either a serially managed, mission essential or controlled inventory piece of equipment or a reparable item, or a consumable item or material where permanent identification is required, or (3) it is a component of a delivered item, if the program manager has determined that unique identification is required.

(7) Generate applicable AIT requirements in accordance with other Marine Corps policy requirements.

5. Administration and Logistics

  a. Distribution A. Directives issued by the CMC are published electronically and can be assessed on-line at: http://www.marines.mil/News/Publications/ELECTRONICLIBRARY.aspx.
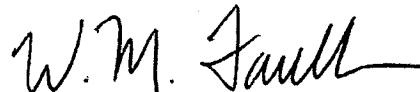
  b. For the purpose of inspection, electronic files (i.e., Internet, CD-ROM or other source) shall suffice and need not be printed. For commands without access to the Internet, hard copy and CD-ROM versions of Marine Corps directives can be obtained through the Marine Corps Publications Distribution System.

  c. Records created as a result of this Order shall be managed according to National Archives and Records Administration approved dispositions per reference (1) to ensure proper maintenance, use, accessibility and preservation, regardless of format or medium.

6. Command and Signal

  a. Command. This Order is applicable to the Marine Corps Total Force.

  b. Signal. This Order is effective the date signed.

W. M. FAULKNER
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