

Chapter 1 Introduction

1-1. Purpose

a. This regulation establishes policies and assigns responsibilities for the maintenance of Army materiel. It provides and defines requirements for performance and management of the materiel maintenance function. It concerns unit, direct support (DS), general support (GS), and depot levels of the Army maintenance system and Army-wide program and commodity-unique maintenance. This regulation also applies to maintenance of all materiel owned or supported by the U.S. Army, except the following:

- (1) Materiel purchased with nonappropriated funds, special intelligence property administered per Army Regulation (AR) 381-143, real property, or foreign materiel used for training.
- (2) Leased/rented materiel, unless the lease/rental agreement dictates otherwise.
- (3) Those aspects of combat and materiel development that impact the materiel maintenance function.
- (4) Materiel maintenance as implemented in the AR 12-series publications.

b. The provisions of this regulation are applicable to all Army-funded property under the direct control of the U.S. Army Corps of Engineers. Civil-funded property under the control of the U.S. Army Corps of Engineers is exempt from the provisions of this regulation; however, these provisions may be used when considered to be in the best interest of the Government.

1-2. References

Required and related publications and prescribed and referenced forms are listed in appendix A.

1-3. Explanation of abbreviations and terms

Abbreviations and terms used in this publication are explained in the glossary.

1-4. Responsibilities

Responsibilities are listed in chapter 2.

1-5. Exceptions

A request for exception to any provision of this regulation will be submitted through command channels to DCS, G-4, ATTN: DALO-SMM, 500 Army Pentagon, Washington, DC 20310-0500, unless otherwise specified in this regulation. Requests for exception to policy specific to the Army National Guard (ARNG) will be submitted to the State Adjutant General, then through the Chief, National Guard Bureau (CNGB) to HQDA (DALO-SMM). All requests for exception to this regulation will, at a minimum, recommend alternative course(s) of action.

Chapter 2 Responsibilities

2-1. Assistant Secretary of the Army (Financial Management & Comptroller)

The Assistant Secretary of the Army (Financial Management & Comptroller) (ASA(FM&C)) will—

- a.* Develop and prescribe financial policy and procedures for the use of appropriated funds and nonappropriated maintenance funds.
- b.* Develop and prescribe financial policy and procedures for the use of depot maintenance funds.
- c.* Monitor the execution of depot maintenance funds.
- d.* Prepare, present, and defend the depot maintenance budget.
- e.* Participate in the program development process through membership in the Program Evaluation Group (PEG).
- f.* Provide representation, as the chief financial officer, to the Army Depot Maintenance Corporate Board (DMCB). (See para 2-4*r.*)

2-2. Assistant Secretary of the Army (Acquisition, Logistics, & Technology)

The Assistant Secretary of the Army (Acquisition, Logistics, & Technology) (ASA(ALT)) will—

- a.* Be responsible for the acquisition function and acquisition management system of the Department of the Army (DA).
- b.* Co-chair the Army Systems Acquisition Review Council (ASARC).
- c.* Establish reliability, availability, and maintainability (RAM) exit criteria in system-specific acquisition decision memorandum (ADM).
- d.* Approve type classification of systems as part of the milestone III, full rate production, ADM per AR 70-1.

- e. Coordinate with the materiel developers (MATDEVs) to ensure that depot-level maintenance is planned and that the depot maintenance source of repair (SOR) analysis has been completed and documented.
- f. Ensure that an organic depot maintenance capability review is conducted for all newly acquired systems/modifications for systems designated as core.
- g. Provide representation, acquisition, and logistics to the Army DMCB. (See para 2-4r.)
- h. Develop Army policy for integrated logistics support (ILS).

2-3. Assistant Secretary of the Army (Manpower and Reserve Affairs)

The Assistant Secretary of the Army (Manpower and Reserve Affairs) (ASA(M&RA)) will provide representation to the Army DMCB. (See para 2-4r.)

2-4. Deputy Chief of Staff, G-4

The Deputy Chief of Staff, G-4 (DCS, G-4) is responsible for developing policies and implementing procedures for Army maintenance operations and will—

- a. Perform general staff supervision of maintenance activities, including active and reserve components.
- b. Serve as the proponent for the Department of Defense (DOD) inter-Service, interdepartmental, and interagency maintenance support programs within the Army.
- c. Serve as Army principal on the Defense Depot Maintenance Council (DDMC).
- d. Ensure the materiel readiness and sustainability of the U.S. Army.
- e. Formulate concepts, policies, plans, and program guidance for the following materiel maintenance programs:
 - (1) Specialized repair authority (SRA). (See para 3-18.)
 - (2) Maintenance assistance and instruction team (MAIT). (See para 7-14.)
 - (3) Sample data collection (SDC). (See para 7-4.)
 - (4) Maintenance float programs (operational readiness float (ORF) and repair cycle float (RCF)). (See para 7-6.)
 - (5) The Chief of Staff, Army Award for Maintenance Excellence (AAME) program. (See para 7-1a.)
 - (6) The Secretary of Defense Maintenance Award Program. (See para 7-1b.)
- f. Approve the establishment of installation materiel maintenance activities (IMMAs) per DA Pam 750-13.
- g. Serve as the proponent for the functional requirements for maintenance management Standard Army Management Information Systems (STAMIS) or other maintenance automated information systems (AIS) used to support Army maintenance programs.
 - h. Provide final approval for funding of inter-Service support agreements (ISSAs) that exceed programmed support. (See para 4-28.)
 - i. Represent the DA's Tire Retread Program in matters involving policy and planning that also concern DOD or the Departments of the Navy and Air Force.
 - j. Develop basic functional guidance for the automated submission of depot maintenance requirements.
 - k. Direct and allocate funds to support all sustainment maintenance programs, including maintenance engineering, maintenance support services, and depot-level maintenance.
 - l. Establish sustainment maintenance requirements review boards consisting of representative members from the Deputy Chief of Staff, G-3 (DCS, G-3); ASA (FM&C), Army Budget Office; Director, Program Analysis and Evaluation (DPAE); Headquarters (HQ), U.S. Army Materiel Command (USAMC); and USAMC major subordinate commands (MSCs).
 - m. Sponsor HQ, USAMC reviews (at least annually) for the purpose of validating and prioritizing maintenance requirements.
 - n. Serve as the Headquarters, Department of the Army (HQDA) staff custodian of the Army Depot Maintenance Operational Plan (OP-29) database to validate accuracy and monitor execution.
 - o. Direct the Army Materiel Maintenance Management Career Program.
 - p. Exercise staff supervision for centralized program management of the Army Sets, Kits, Outfits, and Tools (SKOT) program. The outline guidance and procedures for acquisition, maintenance and disposition of SKOT are contained in DA Pam 700-60.
 - q. Serve as proponent for the Army Modification Program per AR 750-10.
 - r. Chair the Army DMCB. (See chap 8.)
 - s. Sponsor and provide staff support to the Army Maintenance Board (AMB).

2-5. Deputy Chief of Staff, G-2

The Deputy Chief of Staff, G-2 (DCS, G-2) will develop policies and procedures related to materiel maintenance of intelligence-unique materiel. (See AR 381-143.)

2-6. Deputy Chief of Staff, G-3

The Deputy Chief of Staff, G-3 (DCS, G-3) will—

- a. Approve the Army force structure requirements and authorizations for maintenance support.
- b. Approve requirements and priorities for associated support items of equipment (ASIOE). (See AR 71–32.)
- c. Direct the coordination and use of operational test results in the development of force structure training and materiel requirements and authorizations.
- d. Develop DA policy and guidance on maintenance training.
- e. Participate in maintenance requirement reviews to ensure appropriate funding priority of weapon systems is maintained.
- f. Provide and regularly update the management decision package/modernization resource information submission crosswalk for intensively managed weapon systems.
- g. Provide representation to the Army DMCB.
- h. Ensure that peacetime maintenance man-hour shortfalls are identified and documented by the major Army commands (MACOMs) during the planning, programming, and budgeting process.

2–7. Deputy Chief of Staff, G–1

The Deputy Chief of Staff, G–1 (DCS, G–1) will develop plans, policies, and programs for the management of military and civilian maintenance personnel.

2–8. The Director, DPAE

The Director, DPAE will—

- a. Develop plans, policies, and procedures for building the maintenance input to the program objective memorandum (POM).
- b. Participate in annual maintenance requirement reviews to ensure maintenance funding and prioritization in compliance with programming goals and objectives.
- c. Provide representation to the Army DMCB.

2–9. Assistant Chief of Staff for Installation Management

The Assistant Chief of Staff for Installation Management (ACSIM) will—

- a. Develop policies, plans, programs, and budgetary requirements for performance of maintenance on materiel used to accomplish the worldwide facilities engineering mission and maintenance support of nondeployable installation base operations (BASOPS) activities.
- b. Assist the materiel developer and service MACOMs in identifying requirements for, and the design and construction of, maintenance facilities.

2–10. The Surgeon General

The Surgeon General (TSG) will—

- a. Develop concepts, policy, doctrine, and plans for maintenance of medical materiel.
- b. Develop medical force structures, organizations, and capabilities to provide required maintenance services for medical materiel.
- c. Develop, manage, and monitor medical materiel and maintenance programs for the Army.

2–11. Commanding General, U.S. Army Intelligence and Security Command

The Commanding General (CG), U.S. Army Intelligence and Security Command (INSCOM) will operate and maintain assigned command-unique intelligence materiel through GS level.

2–12. Commanding General, U.S. Army Training and Doctrine Command

The CG, U.S. Army Training and Doctrine Command (TRADOC) will—

- a. Execute assigned combat development mission.
- b. Develop Army maintenance concepts and doctrine for unit, DS, and GS levels of the Army Maintenance System in coordination with materiel developers and HQDA (DALO–SMM).
- c. Develop automated systems to support the Army Maintenance System.
- d. Evaluate fielded systems to update maintenance training for unit, DS, and GS levels of maintenance.
- e. Ensure that newly identified maintenance tasks are included in soldiers manuals.
- f. Ensure that training materials are developed to provide the training required supporting maintenance military occupational specialties (MOSS).
- g. Ensure battlefield damage assessment and repair (BDAR) techniques are included in all resident maintenance training courses and doctrinal literature.
- h. Ensure operator- and leader-level preventive maintenance checks and services (PMCS) instruction is included in all resident training courses.

- i.* Develop and incorporate Army Oil Analysis Program (AOAP) instructions for appropriate programs of instruction. (See para 7–2.)
- j.* Develop and update concepts and doctrine for employing depot-level repair organizations in a theater of operations.
- k.* Represent SKOT users for all matters associated with the review and update of SKOT and corresponding supply catalogs.

2–13. Combat developers

Combat developers (CBTDEVs) as identified in AR 700–127 will—

- a.* Include management and performance of the materiel maintenance function in the development of concepts, doctrine, materiel requirements, organizations, and management information systems.
- b.* Determine the maintenance impact of new materiel or concepts.
- c.* Assist in planning for logistics demonstrations and maintenance tests and conduct analyses of results.
- d.* Resolve critical issues related to reliability, availability, maintainability, and supportability.
- e.* Determine requirements, and develop the documentation for training devices.
- f.* Coordinate with MATDEVs to ensure materiel maintenance considerations are included in requirement documents.
- g.* Assist in maintenance test planning and conduct analyses of test results.
- h.* Determine skill requirements for BDAR and develop techniques and criteria for making repair/evacuation/mutilation decisions based on time limits and available skills.
- i.* Review all new and revised equipment technical publications, including maintenance allocation charts (MACs), before publication. (AR 25–30 provides guidance.)

2–14. Commanding General, U.S. Army Materiel Command

The CG, USAMC, as the National Sustainment Maintenance Manager for the U.S. Army, will—

- a.* Develop Army depot-level maintenance concepts and support systems, with participation by HQDA (DALO–SMM), CBTDEVs, and MATDEVs.
- b.* Manage the depot maintenance system, including forward repair activities (FRA).
- c.* Establish and operate logistics assistance offices (LAOs) and manage the Logistics Assistance Program (LAP) per AR 700–4.
- d.* Ensure that spares and repair parts are available in sufficient quantities to support materiel throughout its life cycle.
- e.* Develop and operate a standard, integrated, and centralized maintenance management information system to provide multisource, multilevel equipment performance, maintenance, and logistics data in support of Army materiel development, improvement, management, and sustainment efforts.
- f.* Manage the AOAP.
- g.* Manage test, measurement, and diagnostic equipment (TMDE) functions as the Army lead organization. Manage and execute all responsibilities for worldwide calibration and repair of common and selected special purpose TMDE.
- h.* Manage the Army Warranty Program. (See AR 700–139.)
- i.* Manage the Army Chemical Agent Resistant Coating (CARC) and Camouflage Pattern Painting (CPP) programs.
- j.* Manage and staff requirements for the MAC.
- k.* Management and oversight of the SRA program.
- l.* Program and budget DA-approved SDC projects.
- m.* Manage the Depot Repair and Return Program. (See para 8–6.)
- n.* As the Army lead organization for the National Tire Retread Program, establish a worldwide program for management of aircraft and vehicle tires.
- o.* Provide life-cycle maintenance engineering support for materiel acquired by DA.
- p.* Develop and submit an Army business plan to the Joint Depot Maintenance Activity Group (JDMAG) for the Joint Depot Maintenance business profile that is provided to the DDMC. Maintain the DDMC business plan.
- q.* Develop and submit depot maintenance requirements (OP–29) to DCS, G–4.
- r.* Conduct maintenance requirements reviews with MSCs.
- s.* Perform initial provisioning in accordance with AR 700–18.
- t.* Manage the DOD inter-Service, interdepartmental, and interagency maintenance support programs within the Army.
- u.* Provide maintenance support to field-level units as necessary.
- v.* Manage the Army Corrosion Prevention and Control Program per AR 750–59.
- w.* Determine ORF and RCF factors and requirements (see AR 710–1) in coordination with the MATDEV and submit them to DCS, G–4, ATTN: DALO–SMM, 500 Army Pentagon, Washington, DC 20310–0500, for approval.

- x. Evaluate and resolve technical and maintenance problems reported by using units through deficiency reports.
- y. Manage and execute the National Maintenance Program (NMP).
- z. Manage and update SKOT. The outline guidance and procedures for acquisition, maintenance, and disposition of SKOT are contained in DA Pam 700–60.
 - aa. Establish theater foundation logistics support element (LSE) for coordination of USAMC maintenance support provided to the theater.
 - ab. Monitor compliance with depot maintenance core policy. Use DOD-approved methodology to determine core depot maintenance requirements to ensure Army depots maintain sufficient core capability.
 - ac. Provide two members to the Army DMCB; chief operating officer and one additional board member.
 - ad. Serve as a member of the HQDA AMB.

2–15. Materiel developers

MATDEVs as identified in AR 700–127 will—

- a. Coordinate with CBTDEVs the materiel maintenance considerations to be included in requirement documents.
- b. Ensure that the materiel fielding plan meets the requirements of the Army maintenance system.
- c. Ensure that reliability, availability, and maintainability is included in design parameters and demonstrated during operational testing.
- d. Ensure that reliability centered maintenance (RCM) is a basic precept in developing the maintenance concept.
- e. Determine, in coordination with the designated MSC, the source of repair for depot-level maintenance (such as organic or contract).
- f. Ensure ILS/logistic support analysis (LSA) results are incorporated in initial maintenance planning/development concepts.
- g. Ensure that trained personnel, TMDE, facilities, specialized tools, support equipment, repair parts, and publications are available when the system is delivered to the user.
- h. Participate in planning and conducting logistics demonstrations and operational maintenance testing.
- i. Establish and monitor modification work order (MWO) programs per AR 750–10.
- j. Develop BDAR techniques, procedures, and related tool and materiel requirements in accordance with CBTDEV. The developers will also ensure BDAR concepts are incorporated into new materiel development.
- k. Develop factors for determining ORF requirements. These factors will be submitted to HQDA (DALO–SMM) for approval.
- l. Emphasize embedded diagnostics and embedded prognostics in the design, development, and improvement of equipment.
- m. Ensure that data collected from all levels of maintenance are analyzed and used for prognostic purposes.
- n. Ensure that equipment is designed with the need for a minimum number of common and special tools.
- o. Support the SDC program as required in paragraph 7–4.
- p. Establish and maintain an age exploration program.
- q. Include requirements for compliance with Federal environmental quality standards for equipment procured and supported by the Army (in accordance with AR 200–1).
- r. Provide qualitative and quantitative personnel requirement information and basis-of-issue plan (BOIP) feeder data to the CBTDEV to facilitate planning for distribution of operator and support personnel and support equipment.
- s. Implement the Manpower Requirements Criteria Program. (AR 71–32 provides guidance.)
- t. Ensure that modifications to Army equipment are applied and reported in accordance with AR 750–10.

2–16. Army commands (active component)

- a. Major Army commanders will—
 - (1) Ensure that maintenance supports readiness. Commanders at all levels will be held accountable for the conduct of maintenance operations.
 - (2) Ensure evaluation of maintenance is included in the Command Inspection Program.
 - (3) Ensure that subordinate commanders comply with the policies in this regulation. One copy of any implementing instructions will be sent to Deputy Chief of Staff, G–4, ATTN: DALO–SMM, 500 Army Pentagon, Washington, DC 22310–0500.
 - (4) Ensure that maintenance operations at all levels within their command are properly supervised.
 - (5) Establish and supervise training programs for equipment operators/crews and maintenance personnel in the conduct of maintenance operations.
 - (6) Provide timely and accurate cost, readiness, and maintenance data to management systems.
 - (7) Acquire and maintain a self-sufficient military capability and capacity for unit, DS, and GS maintenance in support of combat, combat support, and combat service support elements.
 - (8) Program funds for unit, DS, and GS levels of maintenance and rank any unfinanced requirements.

(9) Ensure that maintenance is performed at the lowest level possible according to MACs. This process must preclude table of distribution and allowances (TDA) maintenance activities from absorbing maintenance workload that should be performed at modification table of organization and equipment (MTOE) unit, DS, and GS levels of maintenance.

(10) Minimize the number of TDA maintenance operations to reduce resource requirements without adversely impacting operational and contingency requirements. Ensure that there is only one IMMA on an installation. Installation commanders may consolidate Director of Logistics (DOL) and Director of Engineering and Housing (DEH) (or Director of Public Works (DPW)) maintenance operations when cost-effective.

(11) Evaluate all available methods of support before forwarding requests from subordinate commanders for establishment of IMMAs and satellite materiel maintenance activities (SMMAs). Examples of support methods are the IMMA Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA), ISSA, or contract. Submit requests to establish and discontinue IMMAs, SMMAs, and equipment maintenance missions (EMMs) to Deputy Chief of Staff, G-4, ATTN: DALO-SMM, 500 Army Pentagon, Washington, DC 22310-0500, per DA Pam 750-13.

(12) Comply with materiel maintenance standards and maintenance-related logistical performance and readiness standards.

(13) Coordinate all requirements for TMDE procurement with the PM TMDE per AR 750-43.

(14) Establish a warranty control office/officer to implement the Army Warranty Program per AR 700-139.

(15) Comply with all local, regional, and national regulations governing the inspection and maintenance requirements for prevention of pollution from mobile equipment. (AR 200-1 provides guidance.)

(16) Provide air traffic control materiel support.

(17) Establish an effective corrosion prevention and control program for assigned equipment per AR 750-59.

(18) Determine if reimbursement for fabrication services of DS, GS, or installation maintenance activities is authorized.

(19) Carry out quality programs under the provisions of AR 70-1 for assigned maintenance and calibration operations.

(20) Designate points of contact (POCs) for the SRA, SDC, MWO, AOAP, unique item tracking (UIT), and maintenance float programs.

(21) Assist executive agent and USAMC MSCs as required in establishing and conducting SDC projects that are implemented in the MACOM.

(22) Ensure subordinate commanders with sustainment maintenance missions comply with NMP business procedures when scheduling and executing sustainment maintenance operations.

(23) Ensure that support installations provide maintenance support to the U.S. Army Reserve (USAR) when required within the geographical boundaries established by AR 5-9.

b. Commander, U.S. Forces Command (FORSCOM) in support of the USAR will—

(1) Conduct a continuing analysis and evaluation of the USAR Materiel Maintenance Program to ensure that the objectives of the program are attained by all subordinate commands.

(2) Authorize resources to those TDA maintenance activities established by the U.S. Army Reserve Command (USARC) in the continental United States (CONUS) to support the USAR Materiel Maintenance Program. AR 570-4 will be used as a guide for determining manpower requirements of maintenance activities.

(3) Maintain Army BASOPS communications-electronics (CE) equipment; other assigned automation, communication, printing, audio-visual and records management equipment; and the Army portion of the Defense Communication System.

(4) Maintain information systems at INSCOM sites.

c. Commanders at all levels will—

(1) Emphasize the importance of safety and maintenance and ensure that subordinates are held accountable for the conduct of maintenance operations. Maintenance is a command responsibility.

(2) Provide leadership, technical supervision, and management control of materiel maintenance programs of subordinate commands and activities.

(3) Emphasize the conduct and supervision of PMCS performed at unit level. Materiel will be maintained at the maintenance standard specified in paragraph 3-2.

(4) Develop and sustain a high degree of maintenance discipline within their commands, including management of repair parts per AR 710-2.

(5) Establish, maintain, and conduct training of operators, crews, and maintenance personnel to properly use and maintain equipment.

(6) Establish, maintain, and conduct training of leaders at all levels to properly supervise maintenance operations and to motivate subordinates to properly and safely use and maintain equipment.

(7) Exercise management controls sufficient to ensure prudent and efficient use of all resources (people, money, materiel, and time) required to perform assigned maintenance missions.

- (8) Conduct inspections and staff visits to determine the adequacy of command maintenance operations. Document all faults to ensure that corrective actions are taken and to ensure the accuracy of readiness reports.
- (9) Provide materiel maintenance support to all assigned units and activities.
- (10) Recommend improvements to the Army maintenance system.
- (11) Comply with the provisions of AR 750-43 for all TMDE used in support of maintenance operations.
- (12) Ensure that the submissions of quality deficiency reports (QDRs) and equipment improvement recommendations (EIRs) are accomplished per DA Pam 738-750 (ground support and watercraft) or DA Pam 738-751 (aircraft/aviation equipment).
- (13) Encourage establishment of an aggressive awards program for operators and maintainers.
- (14) Implement an effective quality program per AR 70-1. Quality programs will be defined, quantified, specified, measured, and assessed.
- (15) Ensure that all unit-level PMCS, including all DS-level services, are scheduled and performed as required by the 10- and 20-series technical manuals (TMs).
- (16) Ensure prompt compliance with requirements dictated by safety-of-use messages in accordance with AR 750-6 and AR 95-1.
- (17) Ensure that sufficient numbers of personnel are trained in various BDAR skills so that combat resilience requirements can be met in wartime operations.
- (18) Support the SDC program, when implemented, by providing proponent agency contractor personnel reasonable access to equipment and data relevant to the SDC project.
- (19) Emphasize the prompt movement of unserviceable reparables to maintenance.
- (20) Appoint logistics readiness officers.
- (21) Support the implementation of the NMP.
- (22) Ensure modifications to assigned equipment are done in compliance with AR 750-10.

d. Installation commanders in support of the USAR will—

- (1) Provide DS, GS, and aviation intermediate maintenance (AVIM) as required for USAR units and maintenance activities located in the installation support area; in-house and contractor maintenance will be provided as stipulated in AR 5-9 and within this regulation.
- (2) Provide logistical support to USAR units during annual training (AT), as required.
- (3) Maintain an effective liaison program to the supported USAR maintenance activities, including ground, air, watercraft, rail, and water and petroleum within the logistical area of responsibility.
- (4) Provide for backup equipment recovery support from commercial sources through the efforts of the supporting installation. Costs will be provided through Operation and Maintenance, Army Reserve (OMAR) program elements.
- (5) Ensure compliance with NMP business procedures when scheduling and executing sustainment maintenance operations.

2-17. U.S. Army Reserve

a. The Chief, Army Reserve will—

- (1) Develop materiel maintenance plans, policies, programs, and budgetary requirements pertaining to the USAR.
- (2) Manage the USAR Depot Maintenance Program.
- (3) Develop, program, budget, and defend depot maintenance requirements for USAR materiel.
- (4) Coordinate USAR depot maintenance requirements determination with USAMC MSCs to ensure USAR depot maintenance is programmed in depot-maintenance workload projections.
- (5) Coordinate all MOUs/MOAs involving depot maintenance of USAR materiel.
- (6) Develop a depot maintenance requirement determination process for USAR materiel consistent with policy and guidance in this regulation.
- (7) Provide representation to the Army DMCB.

b. The Commander, USARC will command USAR commands in CONUS and provide administrative, logistical, and technical assistance to OCONUS USAR units in support of Army materiel maintenance programs and will—

- (1) Ensure that maintenance supports readiness. Commanders at all levels will be held accountable for the conduct of maintenance operations.
- (2) Ensure evaluation of maintenance is included in the Command Inspection Program.
- (3) Ensure that any implementing instructions are sent to Deputy Chief of Staff, G-4, ATTN: DALO-SMM, 500 Army Pentagon, Washington, DC 22310-0500.
- (4) Ensure that maintenance operations at all levels within their command are properly supervised.
- (5) Establish and supervise training programs for equipment operators/crews and maintenance personnel in the conduct of maintenance operations.
- (6) Provide timely and accurate cost, readiness, and maintenance data to management systems.

- (7) Acquire and maintain a self-sufficient military capability and capacity for unit, DS, and GS maintenance in support of combat, combat support, and combat service support elements.
 - (8) Program funds for unit, DS, and GS levels of maintenance and rank any unfinanced requirements.
 - (9) Ensure that maintenance is performed at the lowest level possible according to MACs. This process must preclude TDA maintenance activities from absorbing maintenance workload that should be performed at MTOE unit, DS, and GS levels of maintenance.
 - (10) Minimize the number of TDA maintenance operations to reduce resource requirements without adversely impacting operational and contingency requirements. Ensure that there is only one IMMA on an installation. Installation commanders may consolidate DOL and DEH (or DPW) maintenance operations when cost-effective.
 - (11) Evaluate all available methods of providing maintenance support before forwarding requests to HQDA for the establishment of IMMAs. Consider the use of IMMA MOUs/MOAs, ISSA, and/or contract support. Submit requests to Deputy Chief of Staff, G-4, ATTN: DALO-SMM, 500 Army Pentagon, Washington, DC 22310-0500.
 - (12) Comply with materiel maintenance standards found in applicable technical publications and maintenance-related logistical performance and readiness standards found in this regulation and related publications.
 - (13) Coordinate all requirements for TMDE procurement with the U.S. Army Central TMDE Activity per AR 750-43.
 - (14) Establish a warranty control office/officer to implement the Army Warranty Program per AR 700-139.
 - (15) Comply with all local, regional, and national regulations governing the inspection and maintenance requirements for prevention of pollution from mobile equipment per AR 200-1.
 - (16) Provide air traffic control materiel support.
 - (17) Establish an effective corrosion prevention and control program for assigned equipment per AR 750-59.
 - (18) Determine if reimbursement for fabrication services of DS, GS, or installation maintenance activities is authorized.
 - (19) Carry out quality programs under the provisions of AR 70-1 for assigned maintenance and calibration operations.
 - (20) Designate POCs for the SRA, SDC, MWO, AOAP, UIT, and maintenance float programs.
 - (21) Assist SDC executive agent and USAMC MSC as required in establishing and conducting SDC projects that are implemented in the MACOM.
 - (22) Ensure that subordinate commanders with sustainment maintenance missions comply with NMP business procedures when scheduling and executing sustainment maintenance operations.
- c. USARC Regional Support Command commanders will—
- (1) Supervise maintenance functions of subordinate maintenance activities and provide maintenance support for USAR units and activities within their assigned areas.
 - (2) Ensure that USAR units under their command perform maximum maintenance within authorization and capabilities on issued or loaned equipment.
 - (3) Ensure that USAR DS, GS, and AVIM maintenance units are assigned support missions within existing capabilities and resources.
 - (4) Provide assistance to USAR units during AT, inactive duty training (IDT), or other scheduled training assemblies.
 - (5) Provide backup road service within capabilities of subordinate units/maintenance activities to USAR units in transit within their assigned area of responsibility.
 - (6) Coordinate with active component support facilities to mutually develop maintenance support and resource requirements.
 - (7) Establish procedures to—
 - (a) Monitor, measure, and control the performance of maintenance activities.
 - (b) Maximize the use of USAR table of organization and equipment (TOE) maintenance units to perform DS, GS, and AVIM maintenance consistent with their MTOE mission, training status, and capabilities.
 - (8) Provide maintenance support of USAR equipment within a prescribed area and develop and publish a USAR equipment maintenance support plan.
 - (9) Ensure that complete unit maintenance support, including scheduling and maintenance of equipment records, is provided to units that do not have a TOE unit maintenance capability. This does not include operator or crew maintenance unless adequately justified as an exception by the unit commander on a DA Form 2407 (Maintenance Request).
 - (10) Ensure that an effective maintenance training program is developed for each MTOE unit having organic unit or higher-level maintenance capability.
 - (11) Ensure that USAR maintenance support activities provide hands-on repair assistance during periods of IDT when requested by supported units. Administrative requirements such as prescribed load list (PLL) and technical assistance support will be provided by U.S. Army Regional Support Command staff.

(12) Manage a program to validate DA Form 2406 (Materiel Condition Status Report) through comparison with PMCS completed by unit personnel.

d. USAR organization/unit commanders will—

(1) Schedule adequate training, time, and resources for performance of preventive maintenance on assigned equipment. This will ensure the involvement of personnel available for training in, and the performance of, PMCS during each daily scheduled training assembly. Specific time will be included in the unit training schedule.

(2) Develop an operator training program and assign a licensed operator to each item of equipment.

(3) Schedule and supervise maintenance training.

(4) Be responsible for performance of all authorized maintenance on borrowed equipment. A unit's rating for AT will reflect any failure to complete unit maintenance before return of borrowed equipment.

2-18. The Army National Guard

a. The CNGB will—

(1) Provide overall coordination and administration for developing materiel maintenance plans, programs, and budgetary requirements pertaining to the ARNG.

(2) Manage ARNG depot maintenance.

(3) Develop, program, budget, and defend depot maintenance requirements for ARNG materiel.

(4) Coordinate ARNG depot maintenance requirements determination with USAMC MSCs to ensure ARNG depot maintenance is programmed in depot maintenance workload projections.

(5) Be a party to all MOA/MOUs involving depot maintenance of ARNG materiel.

(6) Develop a depot maintenance requirement determination process for ARNG materiel.

(7) Provide representation to the Army DMCB and AMB.

b. The State adjutants general will—

(1) Direct and manage unit, DS, and GS maintenance operations applicable to all Federal supplies and equipment issued to ARNG units and activities within the State.

(2) Establish procedures to provide for timely maintenance and/or servicing of equipment.

(3) Establish a MAIT program as detailed in chapter 7.

(4) Ensure that commanders at company and higher levels appoint logistics readiness officers.

(5) Evacuate equipment and materiel requiring depot maintenance as directed by the CNGB.

(6) Establish unit maintenance facilities to provide support for home station equipment.

(7) Designate specific ARNG unit(s) to use and support an approved unit training equipment site (UTES) operation. This will include adjusting operating costs within and between using unit(s) for related maintenance and training.

(8) Designate type and quantity of home station equipment to be located at the UTES.

c. The surface maintenance manager (SMM) will—

(1) Plan, execute, and direct the Surface Maintenance Human Resources Program.

(2) Plan, develop, and manage in-State maintenance training; determine and coordinate out-of-State maintenance training.

(3) Implement and administer the safety, hazardous waste, and industrial hygiene programs for all surface maintenance facilities.

(4) Serve as the principal State adviser to the facilities management office on surface maintenance facilities construction.

(5) Analyze, coordinate, and manage on-hand equipment readiness for the State.

(6) Provide technical supervision to all surface maintenance activities and exercise operational and administrative control over combined support maintenance shops (CSMS), maneuver area training equipment sites (MATES), UTES, and organizational maintenance shops (OMS).

(7) Serve as the program manager for surface maintenance funds.

(8) Designate, in writing, an individual to assume temporary duty as acting CSMS, MATES, OMS, or UTES supervisor during temporary absence of the appointed shop supervisor.

(9) Manage the SMM office, providing control and direction for all matters relating to office administration.

(10) Ensure compliance with NMP business procedures when scheduling and executing sustainment maintenance operations.

d. The State Army Aviation Officer (SAAO) is a member of the State Adjutant General's staff and will—

(1) Implement and administer the State aviation logistics programs.

(2) Analyze, coordinate, and manage the operational readiness of aviation assets.

(3) Ensure the aviation logistics programs are in accordance with applicable materiel and maintenance regulatory requirements.

e. The Army Aviation Support Facility (AASF) commander is a member of the SAAO's staff and will—

(1) Supervise implementation of aviation logistics programs.

- (2) Maintain ARNG aviation assets at the DA readiness goals listed in AR 700–138.
- (3) Ensure compliance with safety-of-flight requirements and aircraft modifications.
- f. The State Aviation Maintenance Officer is a member of the AASF commander’s staff and will—
 - (1) Administer the ARNG Aviation Maintenance Program.
 - (2) Supervise ARNG maintenance and materiel technical personnel.
 - (3) Ensure logistics regulatory requirements are implemented and followed through the complete aviation cycle.
 - (4) Maintain ARNG aviation assets in the highest state of readiness.
 - (5) Report compliance with safety-of-flight requirements and aircraft modifications.
 - (6) Report deficiencies in quality, materiel, or maintenance per DA Pam 738–751.
- g. Commanders and supervisors responsible to the State Adjutant General will—
 - (1) Train personnel designated as operators and crewmembers to properly operate and perform PMCS on their assigned equipment.
 - (2) Assign maintenance responsibilities for unit equipment to specific individuals.
 - (3) Schedule maintenance time and give equal emphasis to preventive maintenance training.
 - (4) Require compliance with prescribed preventive maintenance procedures.
 - (5) Require that all equipment be maintained to the maintenance standard outlined in paragraph 3–2.
 - (6) Require that all before, during, and after operations checks be accomplished each time the equipment is operated or used.
 - (7) Submit DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 2407, or electronic unit level logistics system (ULLS) DA Form 5988–E (Equipment Inspection/Maintenance Worksheet (Automated)) or electronic ULLS DA Form 5990–E (Maintenance Request), to the supporting maintenance facility for backup maintenance support beyond the unit’s capability. Electronic ULLS-generated forms will be the primary method used to transmit requests when the units have the capability.
 - (8) Maintain records applicable to hand receipt, operation, maintenance, modification materiel readiness reports, and transfer of equipment as prescribed in appropriate publications.
 - (9) Submit requests for replacement of basic issue items (BII), component of end items (COEI), initial troop installed and authorized (ITIA) items, and repair parts for equipment under their control.

Chapter 3 Maintenance Policies and Structure

Section I Maintenance Policies

3–1. Overview

a. Army maintenance is founded on the principle that the useful service life of Army equipment is achieved when the item is operated within its intended purpose and parameters and is maintained in accordance with its designed or engineered specifications. When an equipment item achieves its useful service life, the Army will use acquisition or recapitalization to replace or renew service life of the equipment. The Army relies on four core maintenance processes to manage equipment during the course of its useful service life to achieve a high state of readiness. They are performance observation, scheduled services, fault repair, and single-standard overhaul.

(1) Performance observation is the foundation of the Army maintenance program. Performance observation is the basis of the preventive maintenance checks and services known as PMCS that are required by all equipment TMs in the before, during, and after operation checks. Through observation, the operator documents observed performance against established standards and reports problems that degrade equipment before they become catastrophic. The 10– and 20–series TMs designate the standards for all equipment. This allows leaders the ability to designate the time and location of repair that saves precious manpower and materiel resources. It is also the most effective method of managing a large fleet of equipment when time and labor are limited and distances between support and the supported equipment are great. The Army will automate the recording and transmitting of PMCS data, which are appropriately captured by operator observation and embedded sensors to conduct diagnostics or prognostics.

(2) Scheduled services are specified maintenance actions performed at specific intervals when equipment, components, and systems are routinely checked, adjusted, changed, analyzed, lubed, and so forth, in accordance with the designers and engineers specifications. The Army uses scheduled services to focus manpower resources on equipment to maintain its operational and useful service life. Services on equipment include more than the application of a lubrication order or performance of service tasks. They include repair of faults and deficiencies as determined by performance observations, system and component checks, and analysis and updates. Maintenance personnel should use scheduled services to replace faulty items or projected component failures based on analysis, engineering documentation, and so forth. This will result in a higher level of reliability in combat and is more cost effective. The Army