

Army Regulation 700–8

Logistics

Logistics Planning Factors and Data Management

Headquarters
Department of the Army
Washington, DC
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SUMMARY of CHANGE

AR 700-8

Logistics Planning Factors and Data Management

This revision-

- o Modifies the definition of logistics planning data to align it with the information needs driven by the revolution in military logistics (para 2-1 and glossary).
- o Aligns the update of logistics planning data with Total Army Analysis (para 1-4, app B-2, C-1, and C-2).
- o Specifies proponents for doctrine and logistics planning data by class of supply (app B).
- o Changes the definition of 'planning factors' and 'consumption' (glossary).
- o Defines the management control evaluation process for logistics planning data (app C).

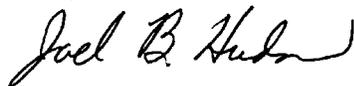
Logistics

Logistics Planning Factors and Data Management

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army

History. This printing publishes a revision of this publication. Because this publication has been extensively revised, the changed portions have not been highlighted.

Summary. This regulation establishes policy and responsibility for managing logistics planning data that include a variety of information such as, consumption rates, data tables, reference data, and planning factors. Logistics planning data are used Army wide at strategic, operational, and tactical levels to estimate the amount and type of effort and/or resources required

for a given operation. In the context of this regulation, logistics data is strictly defined as the theater specific and/or logistics planning data identified in appendix B.

Applicability. This regulation applies to the Active Army, the Army National Guard of the United States (ARNGUS), the Army Reserve (USAR), and DOD sponsored contractors conducting studies for the Army, that-

- a. Develop, collect, store, process, and disseminate logistics planning data.
- b. Use logistics planning data to carry out their missions.

Proponent and exception authority.

The proponent of this regulation is the Deputy Chief of Staff for Logistics (DCSLOG). The DCSLOG has the authority to approve exceptions to this regulation that are consistent with controlling law and regulation. The DCSLOG may delegate this approval authority, in writing, to a division chief within the proponent agency in the rank of colonel or above or the civilian grade equivalent.

Army management control process.

This regulation contains management control provisions per AR 11-2, but does not

contain checklists for conducting management control reviews. Alternative management control reviews are used to accomplish assessment of management controls. (See app C.)

Supplementation. Supplementation of this regulation and establishment of local and command forms are prohibited without prior approval from HQDA, ATTN: DALO-POD, 500 ARMY PENTAGON, WASHINGTON, DC 20310-0500.

Suggested Improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to CDR, USACAS-COM, DIR CBT DEVS FOR CSS, ATTN: ATCL CFP, 3901 A AVE SUITE 220, FORT LEE, VA 23801-1809.

Distribution. Distribution of this publication is available in electronic media only and is intended for command levels C, D, and E, for Active Army, Army National Guard of the United States, and the U.S. Army Reserve.

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*This regulation supersedes AR 700-8, 30 April 1994

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Glossary

Chapter 1 Introduction

1-1. Purpose

This regulation provides policy and assigns responsibilities for managing, collecting, developing, maintaining, validating, and disseminating logistics data for use in Total Army Analysis (TAA) and other Army, Joint, and DOD logistical processes.

1-2. References

Related publications are listed in appendix A.

1-3. Explanation of abbreviations and terms

Abbreviations and special terms used in this regulation are explained in the glossary.

1-4. Responsibilities

- a. The Deputy Chief of Staff for Logistics (ODCSLOG) will-
 - (1) Implement logistics planning data management policies and develop functional guidance.
 - (2) Coordinate planning data needs of the Army Staff, and as requested by the Joint Chiefs of Staff (JCS), and the Office of the Secretary of Defense (OSD).
 - (3) Ensure combatant commands have an opportunity to participate in the process of updating the logistics planning data.
 - (4) Conduct a general officer (GO) level review of logistics data not later than 30 days before the Total Army Analysis (TAA) Study Advisory Group II (SAG II).
 - (5) Define and maintain the Management Decision Package (MDEP-VWPF: U.S. Army Combined Arms Support Command support to ODCSLOG) for war plan factors in the Sustaining Program Evaluation Group to fund the development of logistics planning data in the U.S. Army.
 - (6) Provide logistics concepts for illustrative planning scenarios, mission task organized forces, and 'Army Logistics Support to Other Services' (ALSOS) matrix (with instructions) to Army components and others as required to update logistics planning data.
 - (7) Assign proponentry for each class of supply, or a portion thereof.
 - (8) Manage Army funding for developing, maintaining, and enhancing management information systems and/or programs and the staff resources necessary for developing logistics planning data required by this regulation.
 - (9) Notify the MACOM/Army components of unified commands of the GO review at least 150 days before that review.
 - (10) Evaluate changes to the logistics planning data that are the result of new or changed study methodology since last approved by ODCSLOG.
- b. The U.S. Army Center for Army Analysis (CAA) will provide ODCSLOG with an independent assessment of resource impact of proposed changes to logistics planning data, as required.
- c. The Commanding General, U.S. Army Training and Doctrine Command (TRADOC) will serve as the ODCSLOG agent for the management, collection, development, maintenance, validation, and dissemination of logistics planning data.
- d. The Commander (CDR), U.S. Army Combined Arms Support Command (CASCOM), on behalf of TRADOC, will-
 - (1) Exercise operational direction and provide guidance for logistics planning data.
 - (2) Participate in planning and coordination of data collection and validation of logistics planning data with other major Army commands (MACOMs), and Army components of unified commands.
 - (3) Coordinate with proponents on any system design for databases and information systems that support logistics planning data management.
 - (4) Program, budget, and execute the funding provided by the VWPF MDEP for war plan factors for the logistics planning data management mission of the U.S. Army.
 - (5) Manage the collection, development, maintenance, validation, review, and dissemination of Army logistics planning data.
 - (6) Serve as the central source for logistics planning data used by all Army, Joint, and DOD activities (to include acquisition programs and DOD-sponsored contractors).
 - (7) Respond to Army requirements for logistics planning data.
 - (8) Identify and resolve inconsistencies in logistics planning data or data development methodologies, and recommend appropriate changes to ODCSLOG.
 - (9) Use field exercises, simulation models, sample data collection and war games to validate logistics planning data.
 - (10) Design, develop, and maintain processes/procedures, databases, application programs, and information systems

to produce, record, and disseminate logistics planning data for use in Total Army Analysis (TAA) and other logistical planning processes. Ensure all data disseminated is compatible with, and useable on, existing or developing standard Army management information systems (STAMIS), any component portion of Joint or DOD management information systems, or readily available commercial software.

(11) Before the GO level review, examine the Army documents (see glossary and references) that specify logistics planning data for consistency, adherence to doctrine, necessity, identification of sources, rationale of methodology, assumptions and limits in applying the data. Report findings and current logistics planning data no later than 30 days before TAA SAG II to HQDA, ATTN: DALO-POD, 500 ARMY PENTAGON, WASHINGTON, DC 20310-0500.

(12) Review and participate in the Army and U.S. Government studies that assist in developing logistics planning data.

(13) Review proponency assignments (see appen B) at least annually and provide ODCSLOG DALO-POD with recommendations for changes in assigning proponency no later than 30 days after completion of the review.

(14) Conduct cyclical reviews, compatible with the Army's TAA normally every 2 years), and forward validated proponent recommendations for changes to logistics planning data to ODCSLOG for review and approval before use in TAA and dissemination to other authorized users.

(15) Conduct TAA off-cycle updates of approved planning data on a continuing basis, but as a minimum, once a year.

(16) Ensure that models and simulations that are used to develop logistics planning data have been validated, verified, and accredited per AR 5-11.

e. MACOM/Army components of Unified Commands will-

(1) Obtain logistics planning data from CASCOM (ATCL-CFP).

(2) As requested or assigned, and as supported by STAMIS/software, review, collect, update, and provide data to CASCOM for use in developing standard logistics planning data. Provide results of reviews and updates to CASCOM for validation and/or revalidation not later than 90 days before GO level review of logistics planning data. Also provide reviews and updates to CASCOM, on request, at such other intervals as may be required for maintaining valid and current data.

(3) Assist in confirming logistics data during field training, command post exercises, operational readiness tests, and other training events or tests.

(4) Review, revalidate, and submit their portions of the logistics planning data not later than 90 days before the GO level review. Submit Army Logistics Support to other Services requirements per a matrix and illustrative planning scenarios provided by DALO POD. Forward responses through the unified command J4 and JCS J4 to CDR, USACASCOM, DIR CBT DEVS FOR CSS, ATTN: ATCL-CFP, 3901 A AVE SUITE 220, FT LEE, VA 23801-1809.

f. Proponents for logistics data (see app B) will-

(1) Coordinate planned publication of logistics planning data with CASCOM (ATCL-CFP).

(2) Convene working groups to resolve inconsistencies in those data elements and to develop standard methodologies and policies for computing logistics planning data.

(3) Participate in design and development of databases, information systems, and system interfaces to enhance the development of standard logistics planning data.

(4) Provide the most up-to-date logistics planning data, along with supporting methodology, data sources, and assumptions utilized in their computation to CASCOM, to be included in the appropriate database for consolidation and release to users.

(5) Validate, review, and revalidate, as necessary, existing approved logistics planning data that are on file with the CASCOM. Submit results of reviews to CASCOM not later than 90 days before the GO level review of the data. Submit reviews and updates to CASCOM at such other intervals as may be required for maintaining valid and current data.

Chapter 2 Logistics Planning Data

2-1. Overview

a. Logistics planning data are major elements in the Army and DOD planning endeavors. It is critical that they are appropriate for the intended application at the appropriate level and in the geographic area.

b. The central management of logistics planning data results in a single source for approved logistics planning data. These data can then be used in DOD, Joint, and Army service planning, programming and budgeting. Central

management also reduces uncontrolled proliferation of logistics planning data, and provides an approved consistent common database for all logistics planning.

c. All sources of maneuver, exercise, and test data are reviewed for suitability to provide required data elements. Therefore, each Army unit and test facility is a potential data source and candidate to validate existing data elements.

d. Logistics data are often selectively integrated to reflect the specifics of the intended application. Central management of logistics planning data requires close coordination between the central manager and various Army functional proponents for logistics concepts, doctrine and data development. This coordination determines the methodologies and quantitative information appropriate to the development process. The central manager, through this process, provides Army planners with approved logistics planning data from which force structure and logistics requirements may be determined for a variety of scenario conditions identified by the planner.

2-2. Policy

Central management of the collection and dissemination of logistics planning data is performed under the auspices of the ODCSLOG (DALO-POD). Commander, CASCOM, is responsible for collecting, developing, maintaining, validating, storing, and disseminating logistics planning data. Commander, CASCOM will provide this information to authorized users.

2-3. Inquiries and requests

Mail inquiries and requests for logistics planning data to:

CDR USACASCOM

DIR CBT DEVS FOR CSS

ATTN: ATCL-CFP

3901 A AVE SUITE 220

FORT LEE,, VA 23801-1809

Appendix A References

Section I Required Publications

AR 5-11
Army Model and Simulation Management Program. (Cited in para 1-4d(16).)

AR 11-2
Management Control. (Cited in app C-3.)

Section II Related Publications

AR 25-1
The Army Information Resources Management Program

AR 40-61
Medical Logistics Policies and Procedures

AR 380-19
Information Systems Security

AR 381-143
Logistics Policies and Procedures

AR 700-138
Army Logistics Readiness and Sustainability

AR 710-2
Inventory Management-Supply Policy Below Wholesale Level

AR 710-3
Asset and Transaction Reporting System

AR 725-50
Requisition, Receipt and Issue System

AR 750-1
Army Materiel Maintenance Policy and Retail Maintenance Operations

AFR 76-2
Airlift Planning Factors

CJCSI 3110.03
Logistics Supplement to the Joint Strategic Capability Plan

CJCSM 3150.23A
Joint Reporting Structure-Logistics Factors Report

DA Pam 738-750
Functional Users Manual for the Army Maintenance Management System

FM 5-114
Engineer Operations Short of War

FM 5-116
Engineer Operations: Echelons above Corps

FM 5-480

Port Construction and Repair

FM 8-10

Health Service Support in a Theater of Operations

FM 8-55

Planning for Health Service Support

FM 9-6

Munitions Support in Theater of Operations

FM 10-52

Water Supply in Theaters of Operations

FM 10-67

Petroleum Supply in Theaters of Operations

FM 12-6

Personnel Doctrine

FM 55-1

Transportation of Operations

FM 55-15

Transportation Reference Data

FM 100-5

Operations

FM 100-10

Combat Service Support

FM 100-16

Army Operational Support

FM 101-5

Staff Organization and Operations

SB 38-26

Non-nuclear Ammunition Supply Rates (U)

SB 710-2

Supply Control Combat Consumption Rates for Ground and Aviation-Type Petroleum Products

TM 5-301-1

Army Facilities Components System-Planning

TM 5-302-1

Army Facilities Components System-Design

TM 5-303

Army Facilities Components System-Logistic Data and Bills of Materiel

TM 5-304

Army Facilities Components System User Guide

TM 5-330

Planning and Design of Roads, Airbases, and Heliports in the Theater of Operations

TM 5-343

Military Petroleum Pipeline System

TM 55-500

Watercraft Equipment Characteristics and Data

Section III

Prescribed Forms

This section contains no entries.

Appendix B

Proponents For Logistics Planning Data

B-1. Specific proponents

This appendix identifies specific proponents for doctrine and supply consumption rates. See the glossary to identify proponents.

B-2. Theater specific data

Total Army Analysis (TAA) requires specific data. This data is best obtained from the Army components of the Unified Commands, who are familiar with the regions involved.

a. Minimum data elements required are listed below:

- (1) Logistics Support Concept.
- (a) Deployment plans.
- (b) Sustainment plan.
- (c) Theater logistics command structure.
- (2) Infrastructure.
 - (a) Road.
 - (b) Rail.
 - (c) Inland waterways.
 - (d) Air/Sea Ports (deployment/sustainment).
 - (e) Storage.
- (3) Wartime Host Nation Support and requirements that will be LOGCAP.
- (4) Line of communication elements and capacities.
- (5) Army logistics support to other services (ALSOS).

b. Proponents for scenario specific data include the following:

- (1) Southwest Asia-TUSA, G4.
- (2) Northeast Asia.
 - (a) Korea, Eighth U.S. Army, G4.
 - (b) Outside of Korea-USARPAC, DCSLOG.
- (3) Europe-USAREUR, G4.

Table B-1
Army-wide proponents

| Supply Class/Function | Functional Proponent for Logistics Planning Data | |
|-------------------------------------|--|----------|
| | Doctrine | Data |
| Class I | USAQMC&S | USAQMC&S |
| Subsistence | | |
| Water | | |
| Class II | USAQMC&S | USAMC |
| Troop support material | | |
| General supplies | | |
| Clothing & textiles | | |
| Weapons | | |
| Industrial supplies | | |
| Class III-POL pkg & bulk | USAQMC&S | USAMC |
| Class IV | | |
| Barrier & construction materiel | CASCOM | USAEC&S |

Table B-1
Army-wide proponents—Continued

| Supply Class/Function | Functional Proponent for Logistics Planning Data Doctrine | Data |
|--|---|-------------|
| Base construction materiel | CASCOM | USAEC&S |
| Class V-Ammunition | CASCOM | ODCSOPS |
| Wartime ammo factors (Modeled items) | ODCSOPS | |
| Class VI | | |
| Sundries supplements (Health & Comfort packs 1 & 2) | USAQMC&S | USAQMC&S |
| Personal demand items | AAFES | AAFES |
| Class VII | | |
| Major end items | CASCOM | ODCSOPS |
| Wartime replacement rates | ODCSOPS | ODCSOPS |
| Class VIII-Medical materiel | AMEDDC&S | AMEDDC&S |
| Class IX | | |
| Wholesale | CASCOM | USAMC (AMC) |
| Retail | CASCOM | USAMC (AMC) |
| Medical | OTSG | OTSG |

Appendix C

Management Control Evaluation Checklist

C-1. Function

Evaluate efficiency and effectiveness of the collection of logistics planning data for use in Total Army Analysis (TAA) and other logistics planning processes.

C-2. Key Management Controls.

- a. ODCSLOG has notified the MACOMs of the date of the general officer (GO) review 150 days before the GO review.
- b. MACOMs have submitted reviewed, validated, and revalidated existing approved logistics planning data to the CASCOM 90 days before GO review.
- c. CASCOM has provided ODCSLOG, DALO-POD, with the updated logistics planning data 60 days before the TAA (Study Advisory Group) SAG II.
- d. GO review has been scheduled and conducted by ODCSLOG no later than 30 days before the TAA SAG II.
- e. Management Decision Package (MDEP-VWPF: U.S. Army Combined Arms Support Command Support to ODCSLOG) for WarPlan Factors in the Sustaining Program Evaluation Group has been defined and maintained to fund the development and maintenance of logistics data.
- f. CASCOM has reviewed proponenty as designated in appendix B at least annually and has provided HQDA ODCSLOG, DALO-POD, recommendations for changes within 30 days of review, if needed.

C-3. Management Control Evaluation Process.

- a. The evaluation process is a continuous, ongoing process. It is accomplished by the events specified in paragraph C-2 being completed in a timely manner and the updated data delivered and available when required at the proper location.
- b. Each of the organizations listed in paragraph 1-4 will be responsible for evaluating the management controls listed in paragraph C.2.
- c. ODCSLOG, as the functional proponent for this regulation, will conduct a formal management control evaluation at least every 5 years per AR 11-2.

Glossary

Section I Abbreviations

AAFES

Army and Air Force Exchange Service

ALSOS

Army logistics support to other Services

AMC

Army Materiel Command

AMEDDC&S

U.S. Army Medical Department Center and School

AR

Army Regulation

ARNG

Army National Guard

CAA

U.S. Army Center for Army Analysis

CASCOM

U.S. Army Combined Arms Support Command

CDR

commander

COE

Chief of Engineers

CSS

Combat Service Support

DA

Department of the Army

DCSLOG

Deputy Chief of Staff for Logistics

DOD

Department of Defense

FORSCOM

U.S. Army Forces Command

GO

general officer

JCS

Joint Chiefs of Staff

MACOMs

major Army commands

LOGCAP

Logistics Civil Augmentation Program

ODCSLOG

Office of the Deputy Chief of Staff for Logistics

ODCSOPS

Office of the Deputy Chief of Staff for Operations and Plans

ODCSPER

Office of the Deputy Chief of Staff for Personnel

OSD

Office of the Secretary of Defense

OTSG

Office of the Surgeon General

POL

petroleum, oils, and lubricants

STAMIS

Standard Army Management Information System

TAA

Total Army Analysis

TRADOC

U.S. Army Training and Doctrine Command

TUSA

Third U.S. Army Central Command

USAEC&S

U.S. Army Engineering Center and School

USAMC

U.S. Army Materiel Command

USAMPC&S

U.S. Army Military Police Center and School

USAOC&S

U.S. Army Ordnance Center and School

USAOMMC&S

U.S. Army Ordnance, Missile and Munitions Center and School

USAQMC&S

U.S. Army Quartermaster Center and School

USAR

U.S. Army Reserve

USAREUR

U.S. Army Europe & Seventh Army

USATC&S

U.S. Army Transportation Center and School

Section II**Terms**

Consumption rate

The average quantity of an item consumed or expended expressed in a unit of measure compatible with the appropriate equipment usage profile.

Logistics

The science of planning and carrying out the movement and maintenance of forces. In its most comprehensive sense, it encompasses those aspects of military operations which deal with the following:

- a.* Design and development, acquisition, storage, movement, distribution, maintenance, evacuation, and disposition of material.
- b.* Movement, evacuation, feeding, clothing and hospitalization of personnel.
- c.* Acquisition or construction; maintenance, operation, and disposition of facilities.
- d.* Acquisition or furnishing of services.

Logistics Factor Report

Report that identifies the reporting mechanism and process to enter and update the Logistics Factors File (LFF) data, and is a Joint Operation Planning and Execution System (JOPES) standard reference file. This reference file is used-

- a.* In conjunction with the Joint Strategic Planning System (JSPS) and the Joint Strategic Capabilities Plan (JSCP).
- b.* To develop, evaluate, and implement joint military operations (OPLANS) and operations orders (OPORDS).
- c.* To support deliberate planning, crisis action planning, wargaming, analyses of future amphibious and civilian sealift footprinting, analyses of pre-positioning requirements, and analyses of future air and sealift asset acquisition.
- d.* This report establishes the responsibilities of the Armed Services to provide consumption rates and resupply information to develop and maintain the LFF. Accurate logistic factors will assist the combatant commanders in projecting non-unit-related cargo sustainment requirements for conducting transportation feasibility of a CINC OPLAN.

Logistics planning data

For the purposes of this regulation, logistics planning data are strictly defined as theater-specific logistics planning data used Army-wide at Strategic, Operational and Tactical levels to estimate the amount and type of effort and/or resources required for a given operation. These data may be in the form of consumption rates, data tables, reference data, planning factors or any other form deemed appropriate by the proponent to meet the needs of users.

Planning factor

A multiplier, used in planning to estimate the amount and type of effort involved in a contemplated operation. Planning factors are often expressed as rates, ratios, lengths of time, or consumption quantities.

Planning data publications

Those documents (field manuals, technical manuals, supply bulletins, The Army Force Planning Data and Assumptions, etc.) or automated Management Information Systems (STAMIS, Command and Control systems, models and simulations, etc.) containing and/or using approved logistics planning data are published and/or fielded as general references, functional guides, or decision support tools for use by Army planners.

Proponents for planning data

Those organizations or staffs which have been assigned primary responsibility for developing planning data. Appendix B identifies proponents of selected planning data.

Situation modifier

Planning data variations caused by type and intensity of operations, types of units, force structure, terrain, climate, and geographic area.

Validation

The process involving the identification, documentation, and appropriateness of:

- a.* The source of raw data used in the development of logistics planning data and the procedures for the collection, processing, and reporting of those data.
- b.* The methodology by which logistics planning data are derived, tested, and applied.

Section III**Special Abbreviations and Terms**

This section contains no entries.

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