

Department of the Army
Pamphlet 700-55

Logistics

Instructions for Preparing the Integrated Logistic Support Plan

Headquarters
Department of the Army
Washington, DC
29 September 1989

Unclassified

SUMMARY of CHANGE

DA PAM 700-55

Instructions for Preparing the Integrated Logistic Support Plan

This Change--

- o Defines ILSP approving organizations (para 2-2.1).
- o Clarifies categories of systems requiring supply support planning (para 3-4f(4)(c)).
- o Deletes references to AMC publications (para 3-4f(8)(d) and app A). While these publications will always be needed, AR 25-30 (para 2-24) prohibits the citation of agency or command publications.
- o Adds a new format for a support facility annex to the ILSP(chap 3).
- o Identifies the organizations with which ILSPs must be coordination (app B).

Logistics

Instructions for Preparing the Integrated Logistic Support Plan

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

WILLIAM J. MEEHAN II
Brigadier General, United States Army
The Adjutant General

History. This publication was originally printed on 28 June 1985. Since that time, permanent Changes 1 and 2 have been issued. As of 29 September 1989, those changes

remain in effect. This UPDATE printing incorporates those changes into the text. This UPDATE printing also publishes a Change 3. The portions being revised by this change are highlighted.

Summary. This pamphlet provides instructions for preparing the Integrated Logistic Support Plan and the Depot Maintenance Support Plan.

Applicability. This pamphlet applies to the Active Army, the Army National Guard (ARNG), and the U.S. Army Reserve (USAR).

Proponent and exception authority. Not applicable.

Interim changes. Interim changes to this pamphlet are not official unless they are authenticated by The Adjutant General. Users

will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. The proponent agency of this pamphlet is the Office of the Deputy Chief of Staff for Logistics. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to HQDA(DALO-SMS), WASH DC 20310-0547.

Distribution. Distribution of this publication is made in accordance with the requirements on DA Form 12-09-E, block 2368, intended for command level D for the Active Army, ARNG, and USAR.

Contents (Listed by paragraph and page number)

Chapter 1

General, page 1

Purpose • 1-1, page 1

References • 1-2, page 1

Explanation of abbreviations and terms • 1-3, page 1

Chapter 2

ILSP Procedures, page 1

Overview • 2-1, page 1

Development • 2-2, page 1

ILSP approval • 2-2.1, page 1

Implementation • 2-3, page 1

Description • 2-4, page 1

Adaption • 2-5, page 1

Task schedule • 2-6, page 1

Data extract • 2-7, page 1

ILSP distribution • 2-8, page 1

Updates • 2-9, page 1

ILSP maintenance • 2-10, page 1

Coordination and supplementation • 2-11, page 1

Chapter 3

ILSP Content, page 1

Organization • 3-1, page 1

Changes • 3-2, page 3

Content of section I—General • 3-3, page 3

Content of section II—Plans, Goals, and Strategy • 3-4, page 4

Content of section III—ILS Milestone Schedule • 3-5, page 8

Annexes • 3-6, page 9

Chapter 4

ILSP for Security Assistance Programs, page 9

Section I

Development of the “Country X” ILSP, page 9

Security assistance ILSP • 4-1, page 9

Baseline document • 4-2, page 9

Recommended content • 4-3, page 9

Clarity • 4-4, page 9

Standardization • 4-5, page 9

Section II

Required ILSP Information, page 9

“Country X” ILSP content • 4-6, page 9

Conclusion • 4-7, page 10

Appendixes

A. References, page 11

B. ILSP Coordination List, page 12

C. ILSP Format, page 12

D. Format for the Depot Maintenance Support Plan, page 12

E. Post-production Support Planning Information and Format, page 13

Glossary

Index

*This pamphlet supersedes DA Pam 700-55, 1 March 1988.

RESERVED

Chapter 1 General

1-1. Purpose

This pamphlet provides guidance for use in preparing and updating an Integrated Logistic Support (ILS) Plan (AR 700-127). It provides clear, concise, and detailed instructions on the preparation and content of an ILS Plan (ILSP) to ensure a quality document that reflects total ILS program requirements.

1-2. References

Required and related publications are listed in appendix A.

1-3. Explanation of abbreviations and terms

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

Chapter 2 ILSP Procedures

2-1. Overview

This chapter describes the development, approval, distribution, and update requirements of the ILSP.

2-2. Development

The materiel developer (MATDEV) prepares and coordinates, (jointly, with the supporting command) the initial ILSP at least 60 days prior to Milestone Decision Review I in-process review (IPR) or the Program Decision Memorandum for streamlined programs. The combat developer (CBTDEV), the Special Task Force (STF) for programs so managed, the logistician (usually U.S. Army Logistics Evaluation Agency (LEA)), and other program participants are included in the coordination process for the initial ILSP (see app B). Subsequent ILSP updates are also coordinated with all program participants, and must be finalized at least 60 days before IPRs.

2-2.1. ILSP approval

Depending on the decision approval level of the system (see AR 70-1), the ILSP will be approved by the following organizations—

a. For major defense acquisition program/Army designated acquisition programs (MDAP/ADAP) and program executive office (PEO)-managed nonmajor programs level 1, the approval organizations are the PEO, the supporting major subordinate command (MSC) commander, and the CBTDEV proponent school commandant.

b. For nonmajor programs level 1 managed by an Army acquisition executive—designated program manager (PM), the approval organizations are the PM, the MSC ILS Chief, and the CBTDEV proponent school Director for Combat Development (DCD).

c. For nonmajor programs levels 2 and 3, the approval organizations are the MSC ILS Chief and the CBTDEV proponent school DCD.

2-3. Implementation

The approved ILSP becomes the ILS program implementation plan for all participating activities. It is included as part of the program management documentation (PMD) (AR 70-1). The latest approved ILSP should be used as a working document by all ILS program participants.

2-4. Description

The ILSP describes the overall ILS program and includes all ILS program requirements, tasks, and milestones for the current acquisition phase. It also projects ILS program planning for succeeding phases. The ILSP prepared during the initial phase describes the ILS program tasks that must be accomplished during that phase and projects the ILS program tasks required during the following phases.

During any particular phase, the next immediate phase will receive the greatest attention in the projection effort.

2-5. Adaption

The ILSP is adapted to the acquisition phase and to the characteristics, needs, and complexity of the specific acquisition program. The ILSP will address the total materiel system/end item being acquired.

2-6. Task schedule

The ILSP identifies specific tasks to be accomplished, the responsible agency or activity, and the schedule for task completion. Historical information and information contained in other documents should only be included for clarity. The plan must ensure unique program features are consistent with total ILS planning effort.

2-7. Data extract

ILS information and data contained in other PMD and presentations are extracted from the ILSP. For example, the ILSP is used to develop required information used in the Acquisition Plan (FAR Part 7), System Concept Paper (SCP), Decision Coordinating Paper (DCP), and the ILS content of other portions of the PMD. Data from other PMD will likewise be extracted and used in the relevant sections of the ILSP (such as the manpower, personnel, and training information from the System MANPRINT Management Plan (SMMP)).

2-8. ILSP distribution

For MDAP/ADAP, and ARSTAF selected nonmajor systems, the MATDEV will provide two copies each of the approved initial ILSP, and approved updates, to HQDA (DALO-SM), WASH DC 20310-0547, and to Commander, LEA ATTN: LOEA-IL, New Cumberland Army Depot, New Cumberland, PA 17070-5007; Commander, USAMC Materiel Readiness Support Activity (MRSA), ATTN:AMXMD-E, Lexington, KY 40511-5101; and the applicable U.S. Army Training and Doctrine Command (TRADOC) school(s). LEA and MRSA are also furnished two copies of the approved ILSP and approved updates for the other nonmajor systems. Copies will also be provided to all affected organizations including gaining MACOMs and participating Services.

2-9. Updates

The ILSP is a dynamic document. Each portion is updated as the acquisition process progresses and new information or data is available; this applies—

- a. Before milestone decision reviews.
- b. When new program direction is received.
- c. When the system configuration changes.
- d. When changes occur that warrant realigning manpower, personnel, training, or logistic support planning.
- e. Prior to development of solicitation documents.

2-10. ILSP maintenance

The ILSP will be kept current for use by all program participants. Superseded versions of the ILSP or replaced portions will be retained in a file until the system is fielded or the ILSP is no longer needed.

2-11. Coordination and supplementation

When the Army is the lead Service for multiservice acquisition programs, the ILSP will be coordinated with participating Services and will contain necessary Service-unique ILS planning information. If unique information provided to a participating Service is extensive or complex, it will be consolidated in a Service-unique annex to the ILSP. When the Army participates in a multiservice acquisition program, the lead Service ILSP will be supplemented by the Army designated ILS manager, as needed, to include the information described in chapter 3.

Chapter 3 ILSP Content

3-1. Organization

The ILSP contains the three sections listed below and any necessary annexes. Also, see appendix C.

- a. Section I, General.
 - (1) Introduction.
 - (2) Materiel system description.
 - (3) Program management.
 - (4) Applicable documents.
 - b. Section II, Plans, Goals, and Strategy.
 - (1) Operational and Organizational (O&O) Plan.
 - (2) System Readiness Objective (SRO).
 - (3) Acquisition strategy.
 - (4) Logistic Support Analysis (LSA) strategy.
 - (5) Supportability test and evaluation (T&E) concepts.
 - (6) ILS elements plans.
 - (a) Design influence.
 - (b) Maintenance plan.
 - (c) Manpower and personnel.
 - (d) Supply support.
 - (e) Support equipment and test, measurement, and diagnostic equipment (TMDE).
 - (f) Training and training devices.
 - (g) Technical data.
 - (h) Computer resources support.
 - (i) Packaging, handling, and storage (PHS).
 - (j) Transportation and transportability (T&T).
 - (k) Facilities.
 - (l) Standardization and interoperability (S&I) (formerly rationalization/standardization/interoperability).
 - (7) Support transition planning.
 - (8) Support resource funds.
 - (9) Post-fielding assessments.
 - (10) Post-production support.
 - c. Section III, ILS Milestone Schedule. Figure 3-1 contains a list of milestones that are considered essential for successful acquisition and support of a system/end item.
 - d. Annexes (as applicable).
-

MINIMUM MILESTONES

1. O&O Plan approved
2. MNS (formerly JMSNS) approved
3. Market Investigation completed (NDI acquisition strategy only)
4. System Concept Paper completed
5. ILS Management Team/LSA Review Team established
6. Test Integration Work Group formed
7. Required Operational Capability approved
8. Test and Evaluation Master Plan developed
9. Life cycle cost estimate prepared
10. Initial approved ILSP available
11. Milestone Decision Review I
12. D&V/Development Proveout solicitation document (SD) released
13. D&V/Development Proveout contract awarded
14. Assign ZLIN
15. BOIBFD/QQPRI/Data Interchange submitted to EARA
16. BOIPFD/QQPRI to combat developer
17. Technical Testing started
18. BOIP/QQPRI to HQDA
19. User Testing started
20. Approved BOIP/QQPRI to Combat Developer
21. Test Program Set Management Plan available
22. Initial New Equipment Training Plan distributed
23. Support Facility Annex developed
24. Unique training facility requirements identified
25. Milestone Decision Review II
26. Functional Configuration Audit completed
27. FSD/Development Proveout solicitation document (SD) released
28. FSD/Development Proveout contract awarded
29. Quality engineering planning list completed
30. Data collection requirement established
31. Transition Plan submitted for approval
32. Staff planners course started
33. Letter of Notification (LON) and draft MFP/MTP distributed
34. Provisioning Master Record complete
35. Initial Draft Materiel Fielding Plan comments/Mission Support Plan submitted
36. Depot Maintenance Support Plan completed
37. Logistic Demonstration completed
38. Producibility Engineering/Planning completed
39. System Training Plan (was ICTP)distributed
40. Instructor/key personnel training course completed
41. New Equipment Training for User Test II personnel completed
42. User Test II System Support Package submitted
43. Technical Test II started

44. User Test II started
45. Product Improvement verification/NDI testing completed
46. Long Leadtime Items on contract
47. Formal Provisioning Conference conducted
48. ABOIPFD/QQPRI/Data Interchange submitted
49. Transportability Report approval received
50. Updated ILSP available
51. Physical Configuration Audit completed
52. Technical Data Package available
53. Updated Decision Coordinating Paper submitted
54. Milestone Decision Review III
55. Type classification approved
56. Standard LIN assigned
57. Production solicitation document released
58. Production Contract awarded
59. BOIP/OMD published
60. Course class schedules completed
61. Training literature distributed
62. Updated MFP/MTP comments and MSP returned
63. BOIP published in consolidated TOE update
64. MTOE/TDA implemented
65. Initial production test completed
66. Final draft MFP/MTP W/MFA/MTA distributed
67. Approved MFA/MTA with final MSP provided
68. Data collection plan approved
69. Technical manuals, Repair Parts and Special Tools List (RPSTL) submitted for publication
70. DMWR available for distribution
71. Final MFP/MTP distributed
72. Repair parts available
73. Technical manuals/RPSTL available for distribution
74. System Hand-off scheduled
75. Total Package Fielding materiel at staging site

76. Logistics assistance personnel available
77. Conditional Release approved
78. Full Release approved
79. First unit equipped
80. Initial depot capability established
81. Transition achieved
82. Fielding After-Action/Lessons Learned Report submitted
83. Post-Fielding Assessment scheduled
84. System Operational Readiness Review scheduled
85. Post Provisioning Review scheduled

Figure 3-1. MINIMUM MILESTONES

3-2. Changes

Information in sections I and II will usually be in narrative form. Each portion of the sections should be constructed so changes are required only when basic objectives, concepts, or criteria are modified. Detailed information should be included as annexes to the ILSP.

3-3. Content of section I—General

a. Introduction. Provide general background information about the system being acquired, if available. The following areas should be considered:

(1) *Purpose.* Provide a brief statement on the uses that will be made of the ILSP.

(2) *Background.* Summarize past actions and events. Identify major decision points and any significant program changes that have taken place.

(3) *Application.* State what the ILSP covers and what life cycle phase(s) it applies to.

(4) *Iteration.* Identify the latest ILSP iteration by number and date, summarize the latest changes made, and state when the next review is planned. A separate change page showing updates and date of approval will provide a historical record to identify changes.

(5) *Abbreviations.* List the abbreviations and acronyms used in the ILSP in the back of the plan.

b. Materiel system description.

(1) Describe the overall materiel system, including major and secondary items to be incorporated. Include a description of all components of the complete system as it is planned, including Government-furnished equipment (GFE) basic sustainment materiel (BSM) (for example, ammunition, petroleum, oils, and lubricants (POL) and so on) (if applicable), and other associated support items of equipment (ASIOE). Provide a summary of performance requirements/goals. Summarize the threat/technological breakthrough the end item is being acquired to counter or exploit. Whenever possible, include a picture (or sketch) of the system and support items.

(2) Describe any system software that will be involved.

(3) Identify the system that is to be replaced or displaced, to include ASIOE.

(4) Describe training devices planned or needed to train maintenance and operator personnel.

c. Program management. Identify the ILS manager. Identify all participating organizations, including other Services, agencies, allied countries and actual or potential foreign purchasers. List participating organizations and provide point-of-contact data for coordination of the ILSP. Include their interface requirements and procedures.

Describe any ILS studies that have been conducted and any recommendations for materiel support design. Identify or recommend procedures for collection of logistic test data, especially for critical logistic issues. Specify the ILS Management Team (ILSMT) and LSA review team composition. Principal ILSMT members (to include participating Services) will be specified by name and organization. Establish the working relationships with other groups such as the CBTDEV, Special Study Group (SSG)/STF, Test Integration Working Group (TIWG), and Training Support Work Group (TSWG). For those systems without a formally designated ILSMT, identify key ILS management and supporting personnel, and the LSA review team members. Identify any proposed logistic investigations to be performed during the current and subsequent acquisition phase.

d. Applicable documents. Identify documents providing guidance, parameters, performance characteristics, and other criteria for functions and requirements described in the ILSP. Examples are as follows:

- (1) Mission Needs Statement (MNS) (formerly called Justification for Major System New Start (JMSNS)).
- (2) O&O Plan.
- (3) System Acquisition Strategy.
- (4) Required operational capability (ROC).
- (5) LSA Strategy.
- (6) System specification.
- (7) Table(s) of organization and equipment (TOE) and/or tables of distribution and allowances (TDA).
- (8) Technical manuals (TMs).
- (9) Field manuals (FMs).
- (10) Transportability/engineering analysis report.
- (11) Basis of issue plan (BOIP).
- (12) Qualitative and quantitative personnel requirements information (QQPRI).
- (13) Test and evaluation master plan (TEMP).
- (14) System Manpower and Personnel Integration (MANPRINT) Management Plan.

Note: Applicable data will be extracted from these type documents and incorporated into the ILSP.

3-4. Content of section II—Plans, Goals, and Strategy

a. Operational and Organizational Plan. Briefly describe the O&O Plan in terms of mission scenarios and requirements, operational environment, transportability requirements, employment concepts, deployment plans, and combat service support force structure. Needed details (annual operating days, annual number of missions, mean mission duration, and so on) to provide input to the LSA process should be available from the O&O Plan. Information required to develop the LSA Record (LSAR) "A" data record format, Operations and Maintenance Requirements, should be included along with other requirements. When available, LSAR "A" data record format will be attached as an annex to the ILSP.

b. System Readiness Objective. Define proposed SROs and reliability, availability, and maintainability (RAM) thresholds for both peacetime needs and wartime requirements. Specify anticipated or required operational availability (A_o) and full mission capable (FMC) requirements. AR 700-138, AR 702-3, and AR 750-1 provide definitions of these terms. Update SRO information to reflect requirements generated during studies, evaluations, and so forth. As system designs mature and available technology is utilized, A_o and FMC requirements must be validated. Determine and indicate applicable readiness reporting system, forms and frequency, in accordance with AR 220-1, AR 95-33, AR 750-40, and DA Pam 738-750.

c. Acquisition strategy. Describe the anticipated acquisition approach. Initially it may consist of several methods, depending on whether system requirements might be met by a product improvement, a foreign materiel system purchase, a new development, and so forth. Define contractual approaches and incentives for the areas below.

(1) *Life cycle cost (LCC).* Identify actions to reduce acquisition and operation and support (O&S) costs.

(2) *Support risks.* Identify risks associated with system support alternatives. As a minimum, the following areas should be addressed:

(a) What are the effects of changing the level of maintenance/repair capability?

(b) Are there items or subsystems in the inventory that can be used to reduce development risk/requirements?

(c) How will the proposed materiel system be integrated into the Army structure at maturation? (The system must be designed to fit into the Army support structure planned for the fielding timeframe to reduce changes needed.)

(3) *Training, manpower, skill (Manpower and Personnel Integration (MANPRINT)) requirements.* Describe actions to reduce requirements for a high degree of skill to operate and maintain the system. Describe any anticipated approaches or incentives to reduce O&S requirements. Goals and actions to reduce quantity and skill level of personnel operating and maintaining the materiel system should be identified. Data will be extracted from the System MANPRINT Management Plan (AR 602-2).

(4) *Source selection.* Describe how ILS and supportability will be addressed in the source selection process. Include any plans to consider estimated cost of operation, maintenance, and support, in addition to anticipated acquisition cost, when making the source selection evaluation.

(5) *Reliability, availability, and maintainability (RAM).* Identify actions to provide incentives to reduce potential LCC, increase system reliability, and reduce maintenance requirements.

(6) *Elements of support acquisition.* Briefly describe the ILS requirements which will be included in solicitation documents and contracts. If accelerated acquisition is a possibility (for example, preplanned product improvements (P^3I), nondevelopmental items (NDIs)), identify those actions that may need to be accelerated and how they will be accomplished. Identify any nonstandard budgeting or funding actions. Include planned or known requirements for Interim Contractor Support (ICS) or Contractor Logistic Support (CLS). Indicate sources and availability of ASIOE.

(7) *Transportability.* Describe what efforts have been made to assure that the materiel system is engineered to be transportable by all specified transportation modes.

(8) *Other data.* Include any other acquisition strategy data as it relates to the ILS program.

d. LSA strategy.

(1) Describe the LSA strategy to be used in the acquisition effort. Identify the LSA tasks and subtasks which provide the best return for resources expended. Identify how the LSA process is being accomplished and any actual or potential problems.

(2) Include brief descriptions of the following:

(a) *LSA tasks required.* Describe how tasks and subtasks selected will be tailored to specific acquisition program needs and phase.

(b) *LSA application to ILS elements.* Describe how LSA data will be used to provide input for development of ILS elements. Ensure MANPRINT data and constraints are used to avoid differences in data applications and uses.

(c) *Structure of the LSAR.* Specify the hardware and software indenture level and level of maintenance for which the LSAR data will be generated and documented.

(d) *Army-contractor interrelationships in conducting LSA.* Identify who will have data approval authority and how data will be verified for adequacy and accuracy.

(e) *Source of LSA documentation.* Identify the source of LSA data.

(3) Describe controls to assure the LSA program does not include duplicate or redundant data requirements.

(4) Describe results of the LSA. This should summarize results of tasks or analyses performed in prior phases.

(5) Include the requirements for phasing the responsibility for data management, collection, updating and retrieval, and for transition from contractor to Army elements.

e. Supportability test and evaluation concepts. Briefly describe the planned supportability test and evaluation concept, scope, and

objectives (DA Pam 700-50), and how they will be met during technical tests and evaluations (TT&E) and user tests and evaluations, (UT&E). List the organizations (CBTDEV, logistician, testers, MATDEV, independent evaluator, ILSMT, and so on) which will identify supportability test issues. These issues and objectives will be summarized in the ILSP and incorporated into the TEMP (AR 70-10 and AR 71-3). Information developed should consider, but not be limited to, the following:

(1) Peculiar test requirements that are directly related to the ILS program (transportability, reliability, maintainability, supportability, interoperability, or contractual requirements related to supportability).

(a) Actual or anticipated critical supportability issues and their impact on the support planning.

(b) Testing and evaluation requirements necessary to assess actions taken to resolve critical issues.

(c) Training, manpower, and skills required to accomplish technical and user test and evaluation.

(d) Dates scheduled for initiation and completion of actions required to resolve supportability issues.

(2) The interface between the LSAR and the test data collection systems.

(3) Test and evaluation of built-in or supporting automatic operating, testing, and maintenance equipment (and associated software, if applicable).

(4) How completed test results will affect planned test actions, criteria, requirements, and so forth. Provide summary of TEMP-significant actions and activities to include the following:

(a) Proposed test locations.

(b) Data collection procedures and data uses.

(c) Organizations and responsibilities involved in the test and evaluation efforts.

(d) Requirements for preparation of a plan for logistic demonstration (LD) for verifying the LSAR, components of the system support package (SSP), draft/final equipment publications, TMDE, maintenance allocation chart, repair parts/special tool list, and so forth (AR 700-127 and AR 70-1). The LD should be accomplished as soon as feasible after a representative engineering development (ED) prototype is available (during military suitability or feasibility testing for NDI). LD must be completed in a timely manner so that components of the SSP, their source and availability, are established prior to technical tests (TT) and user tests (UT).

(5) Identify the requirements and method to be used for providing a system prototype for LD (for example, dedicated or on a time-phased sequential claimant basis).

(6) Prior to proceeding into a succeeding phase, all logistic supportability-related deficiencies or shortcomings will be resolved or corrected. Adequate justification and documentation for corrective actions not taken will be included.

f. ILS element plans. Areas that must be addressed in each ILS element are listed in this section. Full consideration must be given to each area, to include depot requirements. If the area is not applicable, so state, with supporting rationale. Each ILS element must include consideration of the relevant MANPRINT requirements and constraints.

(1) *Design influence.* Describe how ILS and LCC will influence source selection, system design, and acquisition decisions. Explain design constraints related to ILS and any plans to ensure that ILS is fully considered in design proposals and proposed engineering changes. Describe the extent and nature of the ILS personnel participation in design reviews and tradeoff studies. List and discuss any factors that might influence design, such as the following:

(a) Climatic, environmental, and energy constraints and initiatives, and any related tradeoffs.

(b) ILS (to include logistics-related reliability, manpower, and training) constraints and proposed readiness/availability objectives.

(c) Funding limitations.

(d) Logistics-related durability and survivability (to include corrosion protection, long-term storage, nuclear, biological, chemical (NBC) resistance).

(e) LSA, to include reliability centered maintenance (RCM).

(f) Proposed deployment and employment concept.

(g) Applicability of experience with similar materiel systems or other lessons learned which might influence system design or support DA ILS Lessons Learned repository (AMC Materiel Readiness Support Activity (MRSAs), AMXMD-EI, Lexington, KY 40511-5101) may provide one source of information).

(h) Human factors (MANPRINT domain) constraints to assure materiel system design will contain the fewest possible human factor problems in transport, operation, maintenance, calibration, and so forth. This will include any safety requirements and health hazard assessment requirements, as applicable, to comply with AR 40-10. Extract relevant data from the SMMP to ensure compatibility with existing requirements and constraints.

(i) Component and major item standardization and Standardization and Interoperability (S&I) requirements.

(j) Applicability of the Army Oil Analysis Program (AOAP), AR 750-1. Describe specification considerations and required contractor and Government analysis and study tasks.

(k) Transportability requirements and constraints, to include impact on unit and force deployability.

(l) Other support-related design requirements and constraints (for example, facilities, battlefield damage assessment and repair, and POL).

(2) *Maintenance plan.* Describe the maintenance concept (AR 750-1). Identify tradeoffs to be performed and maintenance considerations peculiar to the system. Identify maintenance tasks required to sustain the end item at a defined level of readiness. The LSAR data record format can be used to provide part of the maintenance planning data.

(a) Describe the general overall support concepts contained in the O&O Plan or resulting from logistic studies. Identify proposed or actual skills, tools, TMDE, support equipment, and so forth, to be available at each level of maintenance. Include analysis of possible design for discard of components/repair parts.

(b) Indicate strengths and weaknesses of each support alternative and the effect of the support concept on the system design, SRO, acquisition and O&S costs, and on affected ILS elements.

(c) Summarize known or planned interservice support, host nation support (HNS), ICS or CLS, and contractor warranties. Identify proposed solution to potential problems that may result during transition to organic support.

(d) Include information about planned organic depot maintenance. Summarize and identify the Depot Maintenance Support Plan (DMSP). This plan is prepared by the MATDEV in the format shown in appendix D.

(e) For systems being acquired for multiservice use, address the feasibility and desirability of centralized repair and supply support by a single service who is the predominant user in a geographical area or possesses such centralized support capability.

(f) *Maintenance environment.*

1. Describe the maintenance environment, limitations, constraints, and requirements projected for the deployment time frames. Provide sufficient detail (turnaround time, direct productive annual maintenance man-hours (DPAMMH), mean time between maintenance actions (MTBMA), mean-time-to-repair (MTTR), mean time between preventive maintenance to support LSA. Include logistic support parameters stated in the O&O Plan, ROC, or other requirements documents. Use LSAR data when available.

2. State the nature and extent of maintenance to be performed by each level of maintenance to include battle damage expedient repair procedures in accordance with Battle Damage Assessment and Repair (BDAR) policy. Discuss alternative approaches when applicable. Identify tradeoff criteria used for selection of preferred alternative.

3. Identify the organizational and logistic support structure of each divisional and/or nondivisional unit that will be responsible for providing intermediate direct and general support supply and maintenance support.

4. Identify depots, special repair activities, or other support activities scheduled for special support missions. Identify the depots that

will be responsible for depot repair/overhaul of those components which comprise the total system.

(g) Safety (MANPRINT domain). Describe effort to minimize potential safety problems during system operation, maintenance, storage, transportation, and disposal. Disposal must consider need/requirements for explosive ordnance disposal.

(h) Repositioning of Materiel Configured to Unit Sets (POMCUS). Where applicable, describe maintenance concepts, requirements, and resources for maintenance of the materiel to be in POMCUS.

(i) Where applicable, describe the nuclear hardness maintenance and surveillance procedures contemplated to assure the nuclear hardness of the system throughout its life cycle.

(3) *Manpower and personnel (MANPRINT domain).*

(a) Describe the operator and maintenance manpower and personnel impact (including burden on gaining commands) of the materiel system, and how manpower and personnel (number and skill level) will be provided to test proposed items. Include limitations, constraints, system-peculiar requirements, and man-machine (MANPRINT) interface. Assess projected force structure (at time of deployment) to meet both peacetime needs and wartime requirements. Provide potential QQPRI (AR 71-2) and Manpower Requirements Criteria (MARC) information needs. Data extracted from the SMMP will provide a significant amount of information about this element.

(b) Define coordination with all ILS functions, and use of LSAR as data source (LSA output summaries 01 and 02) for military occupational specialty (MOS) needs (AR 611-1 and AR 611-201). Define data requirements.

(c) Describe skill requirements for personnel necessary to operate, maintain, and support the end item. Consider the following:

1. Present MOS and skills (AR 611-1 and AR 611-201) that may be used with little or no retraining.

2. New skills required (LSAR G data record format, Skill Evaluation and Justification, if available). This may require extensive training or a new MOS.

3. Assigned duties.

4. Task, skill, behavior, and man-machine (MANPRINT) interface analyses.

(d) Describe plan for coordinating manpower and personnel requirements and milestones with TRADOC.

(4) *Supply support.* Describe the proposed supply support concept(s), supply support limitations, constraints, and system-peculiar requirements for not only the end item, but also for the support equipment and TMDE. Initiate and update the Provisioning Plan (AR 700-18). Consider the following areas:

(a) Identify any potential deviation from standard Army supply support procedures. Evaluate the impact of deviation on readiness, cost, manpower, and so forth.

(b) Describe plan, as applicable, for cataloging, acquisition, packaging, preservation, receipt, storage, issue, and disposal of the following:

1. Repair parts, ammunition, POL, etc.

2. Secondary items.

3. Special and common tools.

(c) Include planning for determination of maintenance float, operational readiness float and repair cycle float factors, war reserve materiel requirements (AR 710-1), and foe Medical Standby Equipment Program (AR 40-61). Include plans for reviewing and adjusting the factors based on experience data.

(d) Include plan for determining the range, quantity, and specific requirements for supply support elements needed in the SSP (AR 700-127).

(e) Include planning for identification of long lead time items (LLTI) and vendor supplied items.

(f) Include planning for identification of critical parts and equipment.

(g) Describe method of supply support (for example, piece part, assembly, module or fabrication concept of replacement of parts).

(h) Describe the type of supply support (for example, demand support or mission essential stockage of spares and repair parts).

(i) Address possible need for Interservice Support Agreements (ISSA) or HNS agreements.

(j) State planning for follow-on procurements.

(k) For NDI and other accelerated programs, state considerations and conclusions of the need to initiate early procurement of critical replacement parts to assure availability. Include comparative cost estimates.

(l) Indicate procedures for requisitioning initial and follow-on supply support with accompanying flow charts showing the process.

(m) Assess the effect of the acquisition schedule on provisioning efforts.

(n) Identify the effect of the provisioning alternatives on the SRO.

(o) Provide necessary information to other supply supporting organizations (for example, Defense Logistics Agency (DLA), General Services Administration (GSA), other services) which will provide piece-part, bulk stockage items, and so on. Early submission of projected requirements is needed to permit increased stockage of these items.

(p) Identify requirements for BSM. BSM is the materiel consumed in the operation, and will include, but not be limited to, ammunition, POL, power sources (for example, batteries), data processing paper and tapes, war reserve requirements, and other consumable and bulk supplies. These requirements will include both those for initial fielding and those projected for annual unit consumption during peacetime (training) and wartime.

(q) Where applicable, describe the procedures for the proper identification of hardness critical items (HCIs) to ensure the procurement of only approved HCIs for initial provisioning and replenishment action to support nuclear survivable systems.

(5) *Support equipment and test, measurement and diagnostic equipment.* Describe procedures used to identify requirements for support equipment and TMDE.

(a) Identify requirements for investigation of existing Standard Support Equipment (SB 700-20) in the Army inventory. The TMDE Register (AR 750-43) and Preferred Items List (PIL) (DA Pam 700-21-1) may provide additional information. If modifications to current or planned weapon systems are needed, summarize plan to assure changes are completed by required time of need.

(b) Define procedure for establishing TMDE requirements during LSA.

(c) Describe use of LSAR data base for establishing materiel system unique support equipment requirements by maintenance level.

(d) Identify major items of support-related hardware, to include any requirements for scarce support resources.

(e) Describe procedure for maximizing selection of standard tools and support equipment and ASIOE, to include vehicles, generators, and trailers.

(f) Identify requirements for TMDE registration and acquisition approval (AR 750-43). Indicate direction to be given to the contractor regarding the use of common TMDE, including requirements for calibration and calibration support (TB 43-180).

(g) Identify calibration requirements of the system.

(h) Identify support equipment and TMDE peculiar hardware development, quantity, acquisition, and support (additional capability, fixtures, tools) requirements. Identify any environmental and storage requirements needed for TMDE, automatic test equipment (ATE), and test program set (TPS) use.

(i) Define support equipment and TMDE peculiar test and evaluation objectives, and provide appropriate input to the TEMP (and Coordinated Test Plan, if prepared).

(j) Identify requirements (and materials needed) for local fabrication of tools, maintenance/test stands, or any other support items.

(k) Identify software changes to maintenance equipment where required and interconnecting devices required to test systems on existing test stands/benches.

(6) *Training (MANPRINT domain) and training devices.*

(a) Describe how training and training device requirements will

be met and who is responsible for meeting those requirements. Include description of Government and contractor responsibilities and of training test and evaluation procedures. The SMMP will provide information on training constraints, target audiences, and so on.

(b) Identify long-term training facilities programming requirements and coordination needed with the Office of Chief of Engineers (OCE), DA, and so forth.

(c) Describe plan for acquiring the required training and training devices. Include program for determining if new equipment training (NET) will be needed (AR 350-35). If so, summarize NET Plan (NETP) actions required and identify organizations/individuals participating in the NETP development/execution. The applicable NETP number will be identified.

(d) Describe institutional training requirements and plans unique to operation and maintenance of both hardware and software, support items, etc.

(e) Identify any nonstandard or transportation/storage training requirements for movement and storage of sensitive/classified components, ammunition TPSs, and so forth.

(7) *Technical data.* Describe logistic technical data requirements for the materiel system.

(a) Identify equipment publications concept.

(b) State requirements for publications updating and finalization. Coordinate scheduling with the system production schedule. Describe how the LSAR data base will be used as source data in publication preparation to assure compatibility between the repair parts list, support equipment and tool lists, task allocation, skills, and the narrative operating and maintenance instructions of equipment publications.

(c) State evaluation criteria for validation and verification of publications, and indicate quantities and types required in support of testing.

(d) Identify actions, events, milestones, and schedules for preparation and printing of final publications.

(e) State requirements for updating draft equipment publication (DEP) during FSD to incorporate changes that result from LD, TTs, and UTs. Schedule updates and finalize equipment publications for timely availability prior to first unit equipped (FUE).

(f) Describe plan for interservice coordination on technical data requirements for multiservice acquisition.

(g) Describe requirements for specifications and drawings to support the DEP, LSA, and provisioning effort.

(h) Describe plan for determining if a technical data package (TDP) will be purchased, amount of data needed (for example, no data or level 1 drawings for NDI with CLS versus level 3 drawings for organic maintenance/training), and what effect this will have on the acquisition strategy and acquisition plan.

(8) *Computer resources support.* Describe ILS requirements, constraints, issues, and management procedures unique to standalone or embedded computer hardware or software. All elements of the ILSP address the total materiel system, to include computer resources, but some portions may be summarized in this section for clarity. Examples are listed below.

(a) Describe plan for identifying computer resource requirements for the system to include the following:

1. Determination of computer resource requirements for operation and maintenance of the end item or any of its components within the boundaries of the battlefield (Army battlefield automated systems).

2. Historical data review to assess suitability of existing computer resources.

3. Comparison of existing computer resources to requirements stated in the requirements document, system specification, and so forth.

4. Determination of computer resource limitations.

(b) Emphasize computer software ILS requirements.

(c) Describe plan for determining software support and post-deployment software support (PDSS) procedures, requirements, and responsibilities.

(d) Identify requirement for preparation of a Computer Resource Management Plan (CRMP) for inclusion as an annex to the ILSP (DARCOM-R 70-16 provides the content requirements for the CRMP).

(e) Describe manpower and personnel requirements for developing and fielding computer resources and the training requirements to operate and maintain the computer resources.

(f) Describe method or plan to acquire, test, and evaluate computer software and software support and how software errors will be detected and corrected.

(9) *Packaging, handling, and storage (PHS).* Describe system-unique requirements, management responsibilities, and procedures used to ensure that PHS requirements are identified and met in a timely manner during the acquisition process.

(a) Describe anticipated storage modes and constraints.

(b) Identify part, component, and TPS environmental storage and climatic requirements (for example, humidity and static control and grounding requirements).

(c) Summarize actions necessary to resolve logistic problem areas identified, to include the following:

1. Tradeoffs of PHS requirements.

2. Tradeoffs of PHS risk areas affecting LCC.

(d) Describe PHS assets required and those expected to be available at FUE.

(e) Identify current and projected changes to PHS systems and procedures. Determine the interface with PHS equipment undergoing parallel development or testing.

(f) Verify PHS test requirements have been identified and included in the TEMP.

(g) Identify PHS requirements for shipment of equipment and ASIOE to continental United States (CONUS) and overseas commands, including special PHS requirements of participating Services.

(h) Identify special care required during PHS (that is, removal of sensitive components, calibration, special PHS requirements during repair and movement).

(i) Identify actions taken to determine if containers are or will be available for system shipment.

(j) List the supply bulletin number(s) of the storage serviceability standard (SSS) that is appropriate for the materiel system (DARCOM-R 702-23). If no SSS is required, so state.

(10) *Transportation and transportability (T&T).*

(a) Describe T&T responsibilities, requirements, and constraints, including those related to unit and force deployability. Identify required strategic and tactical transport modes and aircraft and vehicle type. Identify user transportability limitations and restrictions including container compatibility. Where appropriate, discuss design or performance tradeoffs for mobility, transportability, and rapid deployment. This should also include transportation requirements for ASIOE, TMDE, parts, and BSM (ammunition, POL, etc).

(b) Identify requirements for development of a transportability request to be submitted to Commander, MTMC Transportation Engineering Agency, ATTN: MTT-TR, 12388 Warwick Blvd, Newport News, VA 23606-0276, for approval (AR 70-47). Include this request (and subsequent transportability approval) as an annex to the ILSP.

(c) Summarize actions necessary to resolve T&T problem areas identified, to include the following:

1. Tradeoffs of T&T requirements.

2. Tradeoffs of T&T risk areas affecting LCC.

(d) Describe current T&T assets and those expected to be available at FUE.

(e) Identify current and projected changes to T&T systems and procedures. Determine the interface with T&T equipment undergoing parallel development or testing.

(f) Identify T&T test requirements for inclusion in the TEMP.

(g) Decide and record if a Transportability Guidance technical manual is required, and who will prepare the manual.

(h) For systems being acquired for multiservice use, the following apply:

1. Identify T&T requirements for shipment of equipment to

CONUS and overseas commands, including special T&T requirements of participating services.

2. Describe loading and unloading configuration layout by appropriate aircraft type when air transportation is to be used. Weight and cube data will be included.

(i) Identify special care required during T&T (for example, removal of sensitive components, special T&T requirements during repair and movement).

(j) Identify transportability engineering requirements for the system using the LSAR (data record J, Transportability Engineering Characteristics), and AR 70-47.

(k) Identify lifting/tie-down requirements and procedures to ensure these will be included in final system configuration.

(11) *Facilities.*

(a) Describe known or planned maintenance, calibration, storage and training facilities, utilities requirements and constraints, and personnel facilities requirements. Use the LSAR output summary LSA-12, Special Facility Requirements (if available) to provide requirements and justification for the construction of new facilities.

(b) Describe the following:

1. Adequacies or inadequacies of existing facilities (both fixed and mobile) for both the end item and its maintenance and support needs (for example, TMDE, ATE, TPS, and support item environmental and storage requirements).

2. Modifications necessary to existing facilities (both fixed and mobile) for inadequacies described above.

3. New facilities requirements for personnel using, testing, training, operating, and doing field and depot maintenance.

4. Program requirements (including responsibilities and funding) and schedules required to provide necessary modified or new facilities (fixed and mobile), and any Military Construction, Army (MCA) and Military Construction, Army Reserve (MCAR) requirements.

5. Special security requirements for storage and use of classified end items, components, manuals, TPSs, etc. Include quantity and volume of materiel, security level of materiel, and any electronic countermeasures (ECM) or TEMPEST (measures to control compromising emanations) requirements.

(c) To assure that satisfactory lead times are provided for advanced funding planning (typically 5 to 7 years before occupancy), major gaining commands should be advised of projected new and modified facilities requirements following identification of the facilities programming and scheduling of required actions. HQDA(CEEC-ET, WASH DC 20314-1000, must also be expeditiously informed of facility requirements for input and budgetary requirements.

(d) Describe how the United States and host nation facilities requirements will be provided.

(12) *Standardization and interoperability.*

(a) Describe S&I requirements.

(b) List essential items and equipment with which the proposed system must interoperate. This will include any proposed or current end items currently being planned or utilized by allied nations or systems planned or used by the Army or other Services.

(c) Describe known or suspected S&I deficiencies and shortcomings and plans to correct or eliminate them.

(d) Describe potential standardization of components, devices, and subsystems to be considered to provide S&I capability and reduce acquisition, training, operation, maintenance, and supply costs.

g. *Support transition planning.* If ICS is being considered, describe how transition to Government support will be accomplished. Show how repair parts usage, skills, training, procedures, technical data, and so forth, will be obtained and used. Identify transition lessons learned which may apply to the current program. Provide sufficient detail to assure that all necessary data is provided in time to adequately provision, train, and maintain the system prior to transition to Government support.

h. *Support resource funds.*

(1) *(Rescinded.)*

(2) Describe studies and investigations to be conducted and updated in determining, by ILS element, total life cycle cost estimates, to include an identification of the scope and depth of studies to be conducted.

(3) State support models and modifications to be used in cost estimating and limitations and assumptions to be made in modeling.

(4) *(Rescinded.)*

(5) *(Rescinded.)*

(6) Provide coordination channels and reporting schedules.

(7) State results (dollars/type funds) of cost estimating, by ILS element, major functions, and appropriation research, development, test, and evaluation (RDTE), Other Procurement, Army (OPA), Operation and Maintenance, Army (OMA), Operation and Maintenance, Army Reserve (OMAR), MCA, MCAR, and so forth. Include total requirements by program objective memorandum (POM) years funded and unfunded.

(8) Provide estimated funding impact on gaining major Army command (MACOM). Make sure affected commands are notified of current status, to allow for the impact any changes may cause.

i. *Post-fielding assessments.*

(1) Include a schedule for post-fielding ILS assessments. Specify the planned unit(s) in which the assessments will be made and status of support arrangements these units will provide to the assessment teams. Describe and list the assessment team personnel required. Identify the post-fielding assessments (reviews) planned, and describe plans to consolidate these assessments (reviews) whenever feasible (for instance, combining a provisioning review or MANPRINT assessment with a post-fielding ILS review).

(2) Evaluate the necessity for RAM/sample data collection (SDC). The SDC would be in accordance with AR 750-1. The SDC plan will be addressed in the system transition plan. The plan will provide for validation of initial logistics support provided to user units and provide the data for adjusting the initial support resources provided. Planning for and initiating SDC should begin prior to Milestone III. The draft and finalized SDC plan and other official SDC documentation may be included as annexes to the Materiel Fielding Plan (MFP). Use of the Materiel Fielding Team or other official representatives in support of the SDC program will be discussed in the MFP. AR 700-127 provides additional information on post-fielding requirements and participants.

j. *Post-production support.*

(1) An initial Post-Production Support (PPS) Plan will be developed during the early part of the FSD (or equivalent) phase. It will document resources and management actions to ensure the sustainment of SRO requirements and logistic support at all levels following the cessation of the production phase for a system or equipment.

(2) A schedule for updating the PPS Plan will be developed to ensure the plan is maintained current. The PPS Plan will be updated prior to the production decision, at production phase-out, and at any other time a significant change has occurred in the anticipated support time frame.

(3) PPS planning applied to materiel made available under NATO RSI criteria, through Security Assistance programs, will be consistent with PPS policies applied to Army materiel.

(4) The PPS Plan will include the information shown at appendix E.

3-5. Content of section III—ILS Milestone Schedule

a. *ILS milestone schedule.* Provide a realistic milestone schedule which shows specific ILS and ILS-related program tasks and events. DA Pam 700-26 provides the Army standard milestone schedule and will be used to extract relevant milestones. Minimum milestones to be included in the schedule are listed at figure 3-1.

b. *Milestone dates.* The schedule will include the proposed beginning, current schedule, and completion dates of significant actions, command and staff elements with prime responsibility, and primary point of contact for the action.

c. *Coordination.* All milestones will be coordinated with the organizations involved to ensure that tasks, events, and dates are in agreement and can be accomplished.

d. *Sources.* For systems included in the Acquisition Management Milestone System (AMMS), that data will be used where applicable. Other data bases can also be used to extract relevant data for developing the milestone schedule.

e. *Reporting responsibility.* The MATDEV is responsible for initiating and maintaining the milestones. Participating and supporting organizations are responsible for informing the MATDEV of any changes to their milestones or actions which will affect other milestones.

f. *Accelerated acquisition.* Accelerated acquisition program milestones critical to fielding and support objectives should be highlighted to show their importance. Significant among these are the BOIP and QQPRI development, initial provisioning actions, and technical data development (for example, TM development, national stock number (NSN) assignment, part number cross-referencing, configuration control, etc.)

g. *Assessment.* Procedures should be established to ensure that the effect of scheduling changes on functional areas will be readily apparent. This will permit immediate action to assess the situation and start corrective actions.

3-6. Annexes

Include any detailed plans or other information as needed to support any portion of sections I and II as annexes to this plan.

Chapter 4 ILSP for Security Assistance Programs

Section I Development of the "Country X" ILSP

4-1. Security assistance ILSP

For security assistance programs, a "Country X" ILSP is developed by the MATDEV if requested by the customer or required by a Memorandum of Agreement. It describes the support required from both the selling organization and the foreign government buying the materiel system. It must be realized that other than the shared name, the "Country X" ILSP is a separate and distinct document from the ILSP developed as part of the PMD for an acquisition program.

4-2. Baseline document

A "Country X" ILSP provides a baseline document for describing the customer acquisition and support needs and the plans for meeting those needs. What goes into the plan depends on what is needed, offered, and accepted. The AR 12-series provides additional information in the security assistance area.

4-3. Recommended content

The recommended content for a "Country X" ILSP is provided in paragraph 4-6. The content of a specific "Country X" ILSP is tailored to the individual security assistance program, support plans, and related needs. Variables such as coproduction, public law, training required, levels of maintenance, and transportation requirements and limitations may require the ILSP content to be expanded or reduced. The primary purpose of the "Country X" ILSP is to ensure that the customer is fully aware of the total system requirements and the support that will be required and available.

4-4. Clarity

The "Country X" ILSP is to be written in nontechnical English to preclude translation problems. It fully informs the customer of the requirements necessary for effective system support. It also emphasizes the need for ILS planning to sustain the materiel system throughout its intended deployment, not just for the initial fielding.

4-5. Standardization

To assist in S&I and to allow the customer to maintain the end item in the same configuration as U.S. systems, information on any U.S.-applied modifications needs to be provided to the customer (if

the U.S. configured system is releasable to the customer). The "Country X" ILSP needs to be updated, or an addendum provided, which gives the planning, acquisition, cost, and application data on subsequent modifications (AR 750-10) made to equipment developed in the United States. Releasability of U.S. applied modifications will be considered prior to amending the ILSP.

Section II Required ILSP Information

4-6. "Country X" ILSP content

The following information is to be included in the "Country X" ILSP:

a. *Summary.* Provide a summary of the events leading to the Security Assistance Program. Describe relevant background information to allow readers and users to understand the program.

b. *System description.* Describe the end item and its subsystems. Provide information about the capabilities, specifications, characteristics, and limitations of these items. Be sure information is expressed in terms understandable by the customer country.

c. *Management plans.* Describe how the program will be administered, both by the materiel developer/International Logistics Directorate (selling organization) and the customer country, to assure that successful administrative support will be available. Include organizational charts, office symbols, names, addresses, and telephone numbers.

d. *Maintenance plan.* Summarize the anticipated levels of maintenance to be used by the customer country in maintaining the system. Describe the type and amount of maintenance that should be performed at each level (such as 0 percent at unit, 30 percent at intermediate) to economically and effectively maintain the system. Provide all necessary information to allow the customer country to fully realize the maintenance workload required to keep the end item operational.

e. *Technical manuals plan.* List the technical manuals (transportability, maintenance, and supply) required to support the system. Based on the buy quantity and the customer's support structure, indicate the quantity of each type manual recommended. Indicate if manuals are to be translated. If manuals are to be translated, identify the translator, the person who will verify the translations, and the manager of the translation effort. Describe how technical manuals will be delivered to the customer.

f. *Personnel and training plan.* Identify the type and number of personnel and amount of training needed to receive, deprocess, operate, maintain, and overhaul the system and any associated support equipment. If training is to be provided, ensure that—

(1) Arrangements are adequate to have training instructors (if needed) with adequate language background.

(2) The training material is understandable by the customer country personnel.

(3) Training location(s) and type of trainers (Government or contractor) are specified, to include who will pay the training and training site costs.

g. *Support equipment plan.* List and describe all support equipment (to include tools and TMDE) required to maintain and operate the system. Identify the quantity of each required, based on the buy quantity and the customer's support structure. Include any lifting, material handling, test, transport, repair, and power generation equipment. Provide sufficient detail in order that the customer country can identify onhand like equipment or equipment with similar capability. Identify requirements for the fabrication of tools, maintenance and test stands, and so forth, and provide sufficient information to permit their fabrication.

h. *Packaging, handling, and storage plan.* Identify any packaging requirements for the materiel system. Describe the types of packaging needed (such as, containers, pallets, and wrap) to protect the end item and components in transit or storage. If materiel handling equipment is needed to load, unload, store, or transport, identify the data requirements (such as, lift capability, turning radius, and lift height). Specify the type and amount of storage required to include type of storage (such as, covered, environmentally controlled, and

secure) needed for the end item, components, parts, publications, and so forth.

i. Transportation plan. Describe transportation and transportability characteristics. Identify what transport equipment can move the system by land, sea, and air. Describe how the system will be transported from the United States to the customer country. Include transportation schedules. Indicate who is responsible for the various transportation legs, for example, from manufacturer's plant or Government facility to U.S. ocean terminal, U.S. ocean terminal to customer ocean terminals, customer ocean terminal to central deprocessing point, and central deprocessing point to gaining unit.

j. Facilities plan. Identify the facilities required for storage, training, operation, maintenance, testing, and supply. Also, identify the housing and support requirements for U.S. personnel assisting in initial fielding. Identify utilities requirements and POL storage requirements.

k. Site activation plan. List any sites that must be activated. Describe the tasks required to activate sites. Identify the organization responsible for this activation.

l. Support management plan. Describe any support management assistance required. Describe the support programs available and the actions necessary for their utilization.

m. Spares support plan. List the spares and repair parts needed to maintain the system. Provide the recommended buy quantities for spares and repair parts based on the number of systems requested for purchase and the customer's support structure.

n. Support services plan. Identify any support services that will be provided by U.S. Government facilities. If U.S. contractor support is required, identify the support available, the items under contractor warranty programs, and the items requiring that support.

o. Nonstandard support. Specify any nonstandard support and how the support differs from the standard. Describe the capabilities and limitations of this support and the procedures necessary for their utilization.

p. Follow-on support. Describe any follow-on support that will be available or provided. Specify the length of this support and any known plans to replace it.

q. Other support. Other relevant logistic support requirements. Describe any other essential support requirements not included elsewhere.

4-7. Conclusion

The "Country X" ILSP enables the customer country to understand and plan for the myriad of actions which must be accomplished prior to, during, and after the acquisition of a U.S. materiel system. The information and assistance included in the "Country X" ILSP will contribute to the successful use and support of the system and contribute to the continued purchase of U.S. equipment.

Appendix A References

Section I Required Publications

AR 40-10

Health Hazard Assessment Program in Support of the Materiel Acquisition Process. (Cited in paras 2-2.1 and 2-3.) 34J(1)(h).)

AR 70-1

Systems Acquisition Policy and Procedures. (Cited in paras 2-2.1 and 2-3.)

AR 70-10

Test and Evaluation During Development and Acquisition of Materiel. (Cited in para 34e(4)(d).)

AR 70-47

Engineering for Transportability.(Cited in para 3 1n0)(b).)

AR 602-2

Manpower and Personnel Integration(MANPRINT) in the Materiel Acquisition Process. (Cited in para 3 1c(3).)

AR 700-127

Integrated Logistic Support.(Cited in para 34e(4)(d) and A4)(d))

AR 750-2

Army Materiel Maintenance, Wholesale Operations. (Cited in para 34J(2)(f))

AR 750-3

Test, Measurement, and Diagnostic Equipment (TMDE). (Cited in para 3 1g5)(a) and (?))

DA Pam 700-21-1

DA TMDE Preferred Items List.(Cited in para 3 105)(a).)

FAR 1-2100

Federal Acquisition Regulation.(Cited in para 2-7.)

Section II Related Publications

A related publication is merely a source of additional information. The user does not have to read it to understand this pamphlet.

AR 12-series

Security Assistance Regulations

AR 34-1

U.S. Army Participation in International Military Rationalization, Standardization, and Interoperability (RSI) Programs

AR 40-61

Medical Logistics Policy and Procedures

AR 70-15

Product Improvement of Materiel

AR 70-44

DOD Engineering for Transportability

AR 71-2

Basis of Issue Plans (BOIP), Qualitative and Quantitative Personnel Requirements Information(QQPRI)

AR 71-3

User Testing

AR 71-9

Materiel Objectives and Requirements

AR 75-15

Responsibilities and Procedures for Explosive Ordnance Disposal

AR 200-1

Environmental Protection and Enhancement.

AR 200-2

Environmental Effects of Army Actions.

AR 220-1

Unit Status Reporting

AR 350-35

Army Modernization Training

AR 611-1

Military Occupational Classification Structure Development and Implementation

AR 611-201

Enlisted Career Management Fields and Military Occupational Specialties

AR 700-15

Packaging of Materiel

AR 700-18

Provisioning of U.S. Army Equipment

AR 700-31

Technical Data Requirements for Logistic Support

AR 700-129

Management and Execution of Integrated Logistics Support Program for Multiservice Acquisitions Equipment

AR 700-138

Army Logistics, Readiness, and Sustainability

AR 702-3

Army Materiel Systems Reliability, Availability, and Maintainability (RAM)

AR 750-1

Army Materiel Maintenance Concepts and Policies

AR 750-10

Modification of Materiel and Issuing Safety-of Use Messages and Commercial Vehicle Safety Recall Campaign Directive

DA Pam 700-21

The Army Test, Measurement, and Diagnostic Equipment Register Index and Instructions

DA Pam 700-26

Acquisition Management Milestone System (AMMS)

DA Pam 700-50

Integrated Logistic Support Developmental Supportability Test and Evaluation Guide

DA Pam 700-26

Acquisition Management Milestone System (AMMS)

DA Pam 700-127

Integrated Logistic Support Managers Guide.

DA Pam 738-750

The Army Maintenance Management System (TAMMS)

DODD 4151.16

Department of Defense Equipment Maintenance Program

MIL-STD-1388-1

Logistic Support Analysis

MIL-STD-1388-2

DOD Requirements for Logistic Support Analysis Record

SB 700-20

Army Adopted/Other Items/Selected for Authorization/List of Reportable Items

TB 43-180

Calibration and Repair Requirements for the Maintenance of Army Materiel

Section III**Prescribed Forms**

This section contains no entries.

Section IV**Referenced Forms**

This section contains no entries.

Appendix B**ILSP Coordination List**

A potential ILSP coordination list is shown below. It is intended to provide a starting point from which the coordination process can begin. It is not intended to be complete nor does an ILSP need to be coordinated with every organization or office listed.

- a. DA elements.
 - (1) *HQDA (DALO-SM), WASH DC 20310-0547.
 - (2) *HQDA (CEEC-ET), WASH DC 20314-1000.
 - (3) EARA (DALO-EARA-M), WASH DC 20310-0529
 - (4) LEA, (LOEA-IL), NEW CUMBERLAND, PA 17070-5007.
 - (5) OTEA(CSTE), Falls Church, VA 22041.
 - (6) STF (if formed).
 - (7) *Program Executive Officer/Program Manager
 - (8) HQDA (DAPE-MRP), WASH DC 20310-0300
- b. DA MACOMs.
 - (1) AMC.
 - (a) HQ AMC(AMCSM-S, AMCRE-P) 5001 Eisenhower Ave, ALEX VA 22333-0001.
 - (b) *MRSA(AMXMD-E), Lexington, KY 40511-5101.
 - (c) CTA(AMXCT), Lexington, KY 40511.
 - (d) Rescinded.
 - (e) DESCOM(AMSDS), Chambersburg, PA 17201.
 - (f) AMSAA(AMXSY), Aberdeen Proving Ground, MD 21010.
 - (g) TECOM(AMSTE-AD), Aberdeen Proving Ground, MD 21005.
 - (h) * Participating MSCs.
 - (2) TRADOC.
 - (a) *HQ TRADOC(ATCD), Fort Monroe, VA 23651.
 - (b) Logistic Center (ATCL-M) Fort Lee, VA 23801.
 - (c) TSM (if assigned).
 - (d) *Proponent school.
 - (e) SSC-NCR(ATZI-NCP), ALEX VA 22332.
 - (3) INSCOM(IALOG) Arlington Hall Station, Arlington, VA 22212.
 - (4) ISC (AP-OPS) Fort Huachuca, AZ 85613-5000.
 - (5) *MTMCTEA (MTTE-TR), P.O. Box 6276, Newport News, VA 23606-0276
 - (6) TSG(DASG-HCL), WASH DC 20310.
 - (7) Gaining MACOMs.
 - c. *Combat developer (usually TRADOC).
 - d. *Trainer (usually TRADOC).
 - e. *Tester (AMC (TECOM), OTEA, TRADOC).

f. User representative (usually TRADOC).

g. *Logistician (usually LEA). For class VIII medical materiel the logistician is U.S. Army Medical Materiel Agency(SGMMA-R), Frederick, MD 21701-5001.

h. MATDEV (usually PEO/PM; possibly AMC, NSA, INSCOM, ISCOM, COE, TSG).

i. Others (such as USA Technical Detachment, Naval EOD Tech Center, Indianhead, MD 20640-5096)

Note. ILSPs must be coordinated with these organizations.

**Appendix C
ILSP Format**

C-1. Section I of the ILSP is general. It may include pictures, tables, charts, and so forth.

a. Introduction.

(1) Cover page.

(2) Update page.

(3) Application.

(4) Coordination and distribution list.

(5) List of abbreviations (statement detailing where in the list of annexes this is).

b. Description.

c. Program management.

d. Applicable documents.

C-2. Section II of the ILSP presents plans, goals, and strategy (narrative).

a. O&O Plan.

b. System readiness objective.

c. Acquisition strategy.

d. LSA strategy.

e. Supportability test and evaluation concept.

f. ILS element plans.

(1) Design influence.

(2) Maintenance plan.

(3) Manpower and personnel.

(4) Supply support.

(5) Support equipment and test, measurement, and diagnostic equipment.

(6) Training and training devices.

(7) Technical data.

(8) Computer resources support.

(9) Packaging, handling, and storage.

(10) Transportation and transportability.

(11) Facilities.

(12) Standardization and interoperability (formerly RSI).

g. Support transition planning.

(h) Support resource funds.

(i) Postfielding assessment.

(j) Postproduction support.

C-3. Section III of the ILSP contains the ILS milestone schedule. Identify minimum milestones needed to ensure adequate system support. Provide scheduled and accomplished dates for these milestones.

C-4. Attach any annexes to the ILSP needed for clarification or supplementation.

**Appendix D
Format for the Depot Maintenance Support Plan**

The information in figure D-1 is to be developed to identify the plans for and capability of depot maintenance of the end item and components that will require support by depots within Department of the Army. This plan should be expanded as needed to provide

current information in sufficient detail to allow for resource programming and advance planning for support.

Depot Maintenance Support Plan for (Identify the materiel system this plan is being developed for)

FY () to FY ()(5-year)

a. Section I. Introduction. Describe the plan, iteration number, the supporting organizations, weapon/support system code, equipment to be replaced, quantities of RCF needed prior to start of repair program, and other essential information.

b. Section II. Scope. Identify the system criticality to Army/Joint Services plans and operations. Summarize the support concept (ICS/CLS/organic), system mission essentiality, any interservice support agreements planned or achieved, overseas support, special requirements (licenses, restrictions, data rights.)

c. Section III. Identify any plans or other documents (such as regulations, directives, pamphlets, standards, program documents) used to provide input to or anticipated to use output from the information contained in this plan.

d. Section IV. Identify any unique or consolidated support requirements, including projected or actual costs to provide adequately trained personnel to repair the systems or components. The following areas (as a minimum) should be considered: (1) investment cost (facilities, depot maintenance equipment, support equipment, personnel and skill); (2) Recurring cost; (3) Inflation factors.

e. Section V. Describe projected facility requirements and anticipated costs, to include the need for mobilization, maintenance, training, and planning.

(1) Identify any contractor-supported items scheduled for life cycle support. Summarize any contingency planning anticipated for converting to Government support should the need arise.

(2) Describe Government support (to include flow charts and layouts) necessary to provide depot maintenance support.

(a) Identify existing facilities planned for depot support. Ensure that any modifications, upgrading, or expansion requirements are identified and programmed.

(b) Identify all new facilities required, with justification demonstrating advantages over the use of contractor support. Be sure to identify the schedule for reprogramming resources for facility construction and utility and maintenance requirements for the new facilities. Identify any other new resource requirements directly related to the support of the system involved, including the justification needed to ensure approval of resources.

f. Section VI. Identify depot maintenance equipment (requirements, costs, and justification). Describe schedule for acquisition and placement, and projected utilization rates. Consider the following: (1) 5-year maintenance requirements; (2) Existing equipment; (3) Rehabilitation/Modification; (4) New equipment; (5) Other costs (installation, transportation, start-up, roads, site preparation, etc.). Identify data sources used to establish the support requirements.

g. Section VII. Identify all support equipment requirements, to include the following:

(1) Any test, measurement, diagnostics, prognostics, inspection, and calibration equipment. Identify items to be obtained from—

(a) Procurement appropriations (PA).

(b) Excess.

(c) Plant equipment.

(d) Stock fund items.

(2) Common shop equipment. Identify items to be obtained from sources listed in section VI above.

(3) Test program set requirements.

h. Section VIII. Identify projected personnel and skill requirements (by installation), giving number of personnel, technical training courses plans, and costs. Provide information on the following: (1) Direct labor requirements; (2) Total personnel requirements; (3) Depot training courses; (4) Technical Training Courses; (5) Contractor equipment; (6) Depot technical publications; (7) Data sources.

i. Section IX. Provide forecast of overhaul requirements. Give overhaul locations, quantities, schedules, and cost, projected in sufficient detail to permit resource programming. Identify both peacetime and mobilization projections. A primary data source for this information is the LSA/LSAR.

j. Section X. Describe any pilot reconditioning planned (such as pilot overhauls or reconditioning tests). Provide summary of any plans for testing to ensure depot support will be available upon system fielding.

k. Section XI. Provide a time-phased milestone schedule for development and implementation of sections V, VI, VII, and VIII, to include any mobilization planning requirements that have been projected.

Figure D-1. Format for the Depot Maintenance Support Plan

Appendix E Post-production Support Planning Information and Format

E-1. Post-production support plan

A post-production support plan will be developed as an appendix to the ILSP.

E-2. Planning criteria

Post-production support activities include those management and support activities necessary to ensure attainment of readiness and sustainability objectives within economic parameters after termination of the production phase. Planning should be currently maintained as long as the materiel system is in the active inventory. As a minimum the plan must include—

a. Identification and assessment of the impacts on both the weapon system and the support system (to include expected foreign military sales requirements) as a result of expected production phase out and technological change or obsolescence forecast. This assessment will be based on Army technological and obsolescence forecasts which consider a 10-year projection.

b. System/subsystem readiness objectives in the post-production time frame.

c. Resources and management actions and responsibilities required to satisfy post-production support objectives and production,

to include, by national stock number, of all required Government-furnished materiel.

d. Evaluation of alternative post-production support strategies to accommodate obsolescence or production phase out—including, but not limited to: second sourcing; support buyouts; pre-planned product improvement; contract logistic support vs organic support; substitution of new technology; strategy for continuing systems engineering and effective configuration control of the end item and associated support items of equipment. This evaluation will consider a 10-year strategy projection of support needs.

e. Support strategy if the system life cycle is extended beyond the original projection.

f. Support strategy of systems declared obsolete to U.S. forces but retained by friendly foreign countries and allies.

g. Actions needed to obtain cost-effective competition of PPS requirements.

h. Provisions for utilization, disposition and storage of government-owned tools, equipment and contractor developed tools, test equipment, and so forth.

i. Modifications to the ILS Plan to accommodate PPS needs.

j. Responsible agencies for joint planning and execution of applicable elements of the PPS Plan.

E-3. Post-production support decision meeting

The materiel developer should conduct post-production support decision meetings prior to issuance of the final production order. All program participants should be represented. The meeting is designed to avoid major non-recurring charges if follow-on production is later required. Points of consideration should include, but not be limited to the following—

a. Obtaining technical data, drawings, tooling, and so on, to support post-production competitive procurements.

b. The advisability of purchasing major investment items from the manufacturer, such as major manufacturing structures, forgings and castings, insurance items to cover battle damage, proprietary data rights, raw materials, and so forth.

Glossary

Section I Abbreviations

A

operational availability

ADAP

Army designated acquisition program

AMC

U.S. Army Materiel Command

AMMS

Acquisition Management Milestone System

AOAP

Army Oil Analysis Program

ASIOE

associated support items of equipment

ATE

automatic test equipment

BITE

built-in test equipment

BOIP

Basis of Issue Plan

BSM

basic sustainment materiel

CBTDEV

combat developer (usually TRADOC)

CE

concept exploration (phase)

CLS

contractor logistic support

COE

Chief of Engineers

COEA

cost and operational effectiveness analysis

CONUS

continental United States

CRMP

Computer Resources Management Plan

D&V

demonstration and validation (phase)

DA

Department of the Army

DAP

designated acquisition program

DCD

Director for Combat Development

DCP

decision coordinating paper

DEP

draft equipment publications

DLA

Defense Logistics Agency

DMI

Depot Maintenance Interservice

DMSP

Depot Maintenance Support Plan

DPAMMH

direct productive annual maintenance man-hours

DT

developmental test

DT&E

developmental test and evaluation

EARA

U.S. Army Equipment Authorization Review Agency

ECM

electronic countermeasures

ED

engineering development

FM

field manual

FMC

full mission capable

FSD

full-scale development (phase)

FUE

first unit equipped

FUED

first unit equipped date

GFE

Government-furnished equipment

GSA

General Services Administration

HNS

host nation support

ICS

Interim Contractor Support

ICTP

individual and collective training plan

ILS

Integrated Logistic Support

ILSMT

Integrated Logistic Support Management Team

ILSP

Integrated Logistic Support Plan

IPR

in-process review

ISSA

inter/intra-Service support agreement

JMSNS

justification for Major System New Start (now MNS)

LCC

life cycle cost

LCSMM

life cycle system management model

LD

logistic demonstration

LEA

U.S. Army Logistics Evaluation Agency

LLTI

long lead time items

LSA

Logistic Support Analysis

LSAR

LSA Record

MACOM

major Army command

MADP

materiel acquisition decision process

MANPRINT

manpower and personnel integration

MARC

manpower requirements criteria (formerly MACRIT)

MATDEV

materiel developer

MCA

Military Construction, Army

MCAR

Military Construction, Army Reserve

MDAP

major defense acquisition program

MFP

Materiel Fielding Plan

MNS

Mission Needs Statement (formerly JMSNS)

MOS

military occupational specialty

MRSA

AMC Materiel Readiness Support Activity

MSC

major subordinate command

MTBMA
mean-time-between-maintenance-actions

MTMC
Military Traffic Management Command

MTTR
mean-time-to-repair

NATO
North Atlantic Treaty Organization

NBC
nuclear, biological, chemical

NDI
Nondevelopmental item

NET
new equipment training

NETP
New Equipment Training Plan

NSN
national stock number

O&O
operational and organizational

O&S
operation and support

OCE
Office, Chief of Engineers

OMA
Operation and Maintenance, Army

OPA
Other Procurement, Army

ORF
operational readiness float

P&D
production and deployment (phase)

PDSS
postdeployment software support

PEO
program executive officer

PHS
packaging, handling, and storage

PIL
preferred items list

PM
program/project/product manager

PMD
program management documentation

POL
petroleum, oils, and lubricants

POM
program objective memorandum

POMCUS
Prepositioning of materiel configured to unit sets

PPS
post-production support

P31
preplanned product improvements

QQPRI
qualitative and quantitative personnel requirements information

RAM
reliability, availability, and maintainability

RCF
repair cycle float

RCM
reliability centered maintenance

RDTE
research, development, test, and evaluation

ROC
required operational capability

SMMP
System MANPRINT Management Plan

SCP
system concept paper

SDC
sample data collection

S&I
standardization and interoperability

SRO
system readiness objective

SSG
special study group

SSP
system support package

SSS
storage serviceability standard

STF
special task force

T&E
test and evaluation

T&T
transportation and transportability

TDA
table of distribution and allowances

TDP
technical data package

TEMP
test and evaluation master plan

TIWG
prepositioning of materiel configured to unit test integration working group sets

TM
technical manual

TMDE
test, measurement, and diagnostic equipment

TOE
table of organization and equipment

TPF
Total package fielding

TPS
test program set

TRADOC
U.S. Army Training and Doctrine Command

TSWG
training support work group

TT
technical test

TT&E
technical test and evaluation

UT
user testing

UT&E
user testing and evaluation

WBS
work breakdown structure

Section II Terms

Acquisition Plan

A plan that documents the acquisition planning process and provides a comprehensive approach for achieving goals established in materiel requirements. It summarizes other management planning documents (to include the ILSP), Government-furnished materiel to be provided, the acquisition strategy, organizational resources (money, time, people), and schedules.

Acquisition Management Milestone System

The single, standard management milestone reporting system for Army developmental, nondevelopmental, product improvement program, and reprourement of items that will provide and maintain management, functional, and user overview of critical acquisition fielding and transition milestone.

Army Systems Acquisition Review Council

An Army general officer level panel composed of regular and special members. The panel reviews major and DAP programs at major decision milestones and at other times as required.

Automatic test equipment

Measures functional –or static parameters to

evaluate equipment performance. The equipment may be designed to perform fault isolation to piece part level. The decisionmaking, control, or assessment functions performed with minimal human intervention.

Basic sustainment materiel

Those necessary items of supply which are consumed by a system in performance of its intended function, but which are not integral parts of the system (such as, ammunition, printer ribbons, special-purpose paper, computer tapes). There is a need to assess adequacy of initial support as well as continued availability of basic sustainment materiel in sufficient quantities to sustain operation of the system over its expected lifetime.

Built-in test equipment

An identifiable element of an item of equipment or system, the sole purpose of which is to test the equipment or system.

Combat developer

The command or agency responsible for concepts, doctrine, organization (excluding Army wholesale logistics), and materiel system objectives and requirements.

Computer resources support

Facilities, hardware, software, and manpower needed to operate and support embedded and standalone computer systems, including postdeployment software support requirements and planning.

Contractor logistic support

A method used to provide all or part of the materiel system's logistic support by contract throughout its life cycle. This is a support concept rather than an acquisition technique.

Design influence (including logistics-related RAM)

Design efforts to reduce support resources demands, lifecycle costs, and skill requirements. Logistics-related RAM parameters are expressed in operational terms rather than as inherent values. They are related specifically to system readiness objectives and to the manpower, training, and logistics support costs of the materiel system.

Facilities

The permanent or semipermanent real property assets specifically required to support the materiel system. Includes training, equipment storage, maintenance, ammunition storage, mobile shop storage requirements, classified storage, troop housing, fuels and lubricant storage, and special facility requirements.

First unit equipped date

The scheduled date a system or end item and its agreed upon support elements are issued to the designated initial operational capability unit and training specified in the NET plan has been accomplished.

Government furnished materiel

Materiel in the possession of, or acquired by,

the Government and later delivered or otherwise made available to a contractor. GFM is property that may be incorporated into or attached to a deliverable end item or that may be consumed in performing a contract. GFM includes assemblies, components, parts, raw and processed materials, and small tools and supplies that may be consumed in normal use in performing a contract (reference FAR Part 45). GFM does not include materiel sold by the Government to a contractor.

Integrated logistic support

A unified and iterative approach to the management and technical activities needed to

a. Influence operational and materiel requirements and design specifications.

b. Define the support requirements best related to materiel system design and to each other.

c. Develop and acquire the required support.

d. Provide required operational phase support at lowest cost.

e. Seek readiness and LCC improvements in the materiel and support systems during the operational life cycle.

f. Repeatedly examine support requirements throughout the service life of the system.

Interim contractor support

A method used in compressed or accelerated acquisition programs, or when design is not sufficiently stabilized. This method provides all or part of materiel system support by contract for a specified interim period after initial deployment to allow organic support capability to be phased in. It is a support acquisition technique rather than a support concept.

Logistic support analysis

The selective application of scientific and engineering efforts undertaken during the acquisition process to assist in complying with supportability and other ILS objectives.

Logistic Support Analysis Record

A file which permits orderly and cost-effective input, storage, analysis, and retrieval of LSA and LSA-related information.

Logistician

A command or agency other than the materiel developer, combat developer, trainer, or user representative, responsible for ILS program surveillance and evaluation in the materiel acquisition process.

Maintainability

A characteristic design and installation that provides inherently for the item to be retained or restored to a specific condition within a given period of time when the maintenance is performed using prescribed procedures and resources.

Maintenance planning

Establishment of a maintenance structure for a materiel system. LSA (to include 1 RCM)

and maintenance engineering are used to provide an effective and economical framework for the specific maintenance requirements of the system.

Manpower and personnel integration

The process of integrating the full range of human factors engineering, manpower, personnel, training, health hazard assessment, and system safety to improve soldier performance and total system performance throughout the entire materiel development and acquisition process.

Materiel developer

The command or agency responsible for accomplishing the research, development, production, and fielding of a system that fulfills DA-approved materiel requirements.

Operational availability

A measure of the degree to which a system is either operating or is capable of operating at any time when used in a typical operational and support environment.

Packaging, handling, and storage

The resources, techniques, and methods required for preserving, transporting, loading and unloading, and storing materiel systems, their support equipment, ammunition and associated supplies of all classes. This includes the procedures, environmental considerations, and equipment preservation requirements for both short- and long-term storage.

Reliability

A fundamental characteristic of materiel expressed as the probability that an item will perform its intended functions for a specified time under stated conditions.

Standardization and interoperability

a. *Standardization.* The process by which system managers achieve maximum subsystem commonality with materiel system within DA, other Services, and North Atlantic Treaty Organization (NATO) allied nations to reduce support requirements and to attain interoperability objectives.

b. *Interoperability.* The ability of systems, units, or forces to provide services to and accept services from other systems, units, or forces.

Supply support

Management actions, procedures, and techniques required to determine, acquire, catalog, receive, store, transfer, issue, and dispose of principal and secondary items. It includes provisioning for initial support as well as for replenishment supply support.

Support equipment

All ancillary and associated equipment (mobile or fixed) required to operate and support a materiel system. ASIOE and component items such as trucks, air-conditioners, and generators, ground handling and maintenance equipment, tools, metrology, calibration, and communication equipment, test equipment

and automatic test equipment, with diagnostic software for both on and off equipment maintenance. Includes the planning and acquisition of support necessary for the operation and sustainment of the support and test equipment itself. Also includes additional support equipment required due to the aggregation of the new system into high organizational level densities, such as additional line haul fuel trucks or ammunition carriers.

System MANPRINT Management Plan

The SMMP serves as a planning and management guide and an audit trail to identify tasks, analyses, tradeoffs, and decisions that must be made to address MANPRINT issues during the materiel development and acquisition process. The SMMP is initiated by the combat or training developer when a mission area analysis identifies a battlefield deficiency requiring development of new or improved materiel. The SMMP will be updated as needed throughout the materiel acquisition process.

System readiness objectives

Measures relating to the effectiveness of an operational unit to meet peacetime deployability and wartime mission requirements. Considers the unit set of equipments and the potential logistic support assets and resources available to influence the materiel system operational readiness and sustainability. Peacetime and wartime SRO will differ due to usage rate, operational modes, mission profiles, and operational environments. Examples of SRO include operational availability at peacetime usage rates, operational availability at wartime usage rates, sortie generations per given timeframe (aircraft), maximum administrative and logistics down time (intermittent missions). The SRO relates quantitatively to system design parameters and to system support resource requirements.

System support package

The set of support elements planned for a materiel system in the operational (deployed) environment. It is provided before and evaluated during technical and user testing and evaluation to determine the adequacy of the planned support capability.

Technical data

The communication link between people and equipment. Specifications, standards, engineering drawings, task analysis instructions, data item descriptions, reports, equipment publications, LSAR, tabular data, computer software documentation, and test results used in the development, production, testing, use, maintenance, demilitarization, detoxification, and disposal of military items, equipment, and systems. Technical data is used in designing and executing an ILS program. Computer programs, related software, financial data, and other information related to contract administration are not technical data.

Test, measurement, and diagnostic equipment

A system or device that can be used to evaluate the operational condition of a system or equipment to identify or isolate any actual or potential malfunction. Diagnostic and prognostic equipment, automatic and semiautomatic equipment, and calibration test and measurement equipment, whether identifiable as a separate end item or contained within an end item or system.

Training and training devices

The processes, procedures, techniques, and equipment used to train personnel to operate and support a materiel system. Individual and crew training, new equipment training, and support for the materiel system and training devices used to accomplish training.

Transportation and transportability

The capability of materiel and units to be efficiently moved by towing, by self-propulsion, or by carrier via railways, highways, waterways, pipelines, oceans, and airways using existing modal or intermodal transport equipment.

User

The MACOM designated to receive the system from the MATDEV for accomplishing an assigned operational mission under a TOE, TDA, or other enabling document.

Section III

Special Abbreviations and Terms

This section contains no entries.

Index

This index is organized alphabetically by topic and subtopic. Topics and subtopics are identified by paragraph number.

Depot Maintenance Support Plan, 3-4f(2)(d)**Float factors, 3-4f(4)(c)****ILS Plan**

- Annexes to, 2-11, 3-2,3-4(8)(d), 3-6 through 3-11
- Approving organizations, 2-2.1
- Content of, 3-3, 3-4, 3-5
- Coordination list, 2-2
- 'Country X,' 4-6
- Distribution of, 2-8
- Format for, 3-1
- Required by, 2-2
- Uses of, 2-7

Lessons learned repository, 3-4f(1)(g)**LSA strategy, 3-4a****Milestones**

- Minimum, 3-1c
- Responsibility for, 3-5e
- Source of data, 3-5a, 3-5d

Post-production support plan, 3-4j**Provisioning plan, 3-4f(4)**

Unclassified

PIN 057060-000

USAPA

ELECTRONIC PUBLISHING SYSTEM
TEXT FORMATTER ... Version 2.56

PIN: 057060-000

DATE: 02-17-99

TIME: 14:29:47

PAGES SET: 23

DATA FILE: s143.fil

DOCUMENT: DA PAM 700-55

DOC STATUS: NEW PUBLICATION