HQ NAVAL MATERIAL COMMAND INSTRUCTION	NAVMATINST 4790.27
HQ US ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND REGULATION	DARCOM-R 750.51
HQ AIR FORCE LOGISTICS COMMAND REGULATION	AFLCR 400.51
HQ AIR FORCE SYSTEMS COMMAND	AFSCR 400.51
HQ US MARINE CORPS ORDER	MCO P4790.11

LOGISTICS

METHODOLOGY FOR MAINTENANCE OF THE AERONAUTICAL DEPOT MOBILIZATION COMBAT SUPPORT BASE

16 April 1982

DEPARTMENTS OF THE NAVY, THE ARMY, THE AIR FORCE AND THE MARINE CORPS

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THE AIR FORCE, AND MARINE CORPS

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METHODOLOGY FOR MAINTENANCE OF THE AERONAUTICAL DEPOT MOBILIZATION COMBAT SUPPORT BASE

Supplements to this joint regulation are prohibited. Send suggestions or changes required to this joint regulation to the Joint Aeronautical Depot Maintenance Action Group (JADMAG).

Purpose: This joint regulation provides a standard mobilization/combat support base decision methodology to be uniformly applied and utilized by the Military Services as the decision logic process for maintaining the minimum aeronautical depot maintenance mobilization/combat support base necessary to ensure a ready and controlled source of technical competence and resources in support of military contingencies.

OPR: NMC/MAT 04
DARCOM
AFLC/XRX
AFSC/SDD
HQMC

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CHAPTER 1

GENERAL

1-1. Applicability. This joint regulation applies to the decision methodology and to the procedures to be utilized by the Military Services, the Joint Aeronautical Depot Maintenance Action Group (JADMAG), and the Maintenance Interservice Support Management Officers (MISMOs) in planning for the distribution and accomplishment of aeronautical depot maintenance workloads associated with maintenance of the minimum peacetime base required to meet mobilization/combat support contingencies.

1-2. Explanation of Terms. For the purpose of this joint regulation the definitions in Appendix A apply.

1-3. Background.

a. The Joint Aeronautical Depot Maintenance Action Group and Maintenance Interservice Support Management Officer Organizations. The JADMAG and MISMO organizations, under the supervision of the Joint Policy Coordinating Group-Depot Maintenance Interservicing (JPCG-DMI), are interactively involved with each other and with the Services in the implementation of the provisions of this regulation. Detailed information concerning the JPCG-DMI, the depot maintenance interservicing program, and its organizational elements is contained in NAVMATINST 4790.21A, DARCOM-R-750-10, AFLCR 800-30, AFSCR 800-30, MCO P4790.10. A discussion of the MISMO interface with the JADMAG is presented in Chapter 5 of the same regulation. A knowledge of the rationale for the establishment of the MISMOs and the JADMAG by the Joint Logistics Commanders (JLC), and of the specific purpose of each organization is fundamental to, understanding the roles of the JADMAG and the MISMOs relative to aeronautical depot maintenance planning and to the methodology for maintenance of the aeronautical depot mobilization/combat support base. Chapter 5 of this regulation contains background information concerning the evolution, purpose, and organization of the JADMAG.

b. Policies Affecting the Establishment/Maintenance of a Department of Defense Minimum Organic Aeronautical Depot Mobilization/Combat Support Base.

NOTE: Office of Management and Budget (OMB) Circular A-76 and Department of Defense (DoD) Directive 4151.1 provide the policies which govern the criteria associated with the mobilization/combat support base methodology and its implementation requirements.

(1) Provisions of Office of Management and Budget Circular A-76.

(a) OMB Circular A-76, "Policies for Acquiring Commercial or Industrial Products and Services Needed by the Government" establishes the policies and procedures to be used by government departments and agencies to determine whether needed industrial type work should be done by commercial or DoD organic sources. In this regard, the Circular specifies that except in certain instances, it is the policy of the government to rely on competitive private enterprise to supply the products and services it needs.

(b) With regard to the performance of depot level maintenance by DoD organic depots, government commercial or industrial activities providing depot maintenance may be justified in accordance with criteria approved by the Secretary of Defense (SECDEF), to ensure a ready and controlled source of technical competence and resources necessary to meet military contingencies. These criteria are intended to limit the extent of in-house capability and capacity within the Military Departments for depot maintenance support of mission essential equipment to the minimum necessary to accomplish that objective.

NOTE: Justification, approval, and review requirements appropriate to OMB Circular A-76 and to new items entering Service inventories or items already in Service inventories which require depot level maintenance are contained in DoD Directive (DoDD) 4100.15, "Commercial and Industrial-Type Activities" and in DoD Instruction (DoDI) 4100.33, "Operation of Commercial and Industrial-Type Activities." Each Military Department has issued separate instructions/regulations which implement DoDD 4100.15 and DoDI 4100.33.

(2) Applicable Provisions of DoD Directive 4151.1. DoD policy and guidance applicable to the establishment/retention of a minimum DoD organic aeronautical depot mobilization base and to the mobilization/combat support base methodology is contained in DoD Directive 4151.1, "Use of Contractor and Department of Defense Resources for Maintenance of Materiel." Specific provisions include:

(a) Planning for the accomplishment of depot level maintenance by the combined use of contractual sources and organic capability.

(b) Policy concerning the establishment of a commercial industrial base and the use of contractor support.

(c) Guidance concerning mission essential materiel support by DoD components, the use of interservice support, and the development of joint support plans.

(d) A limitation on the establishment and retention of in-house depot maintenance capabilities and capacities to the minimum required to ensure a ready and controlled source of technical competence and resources to meet military contingencies.

(e) The use of a decision logic process for assigning source of repair responsibilities and determining the minimum peacetime in-house capabilities and capacities to be established and retained in support of mobilization requirements.

(f) An organic/contract ratio applicable to the gross mission essential materiel workloads which may be accomplished organically. Deviations from the specified ratio require justification and approval.

(g) Facility utilization and sizing guidelines with respect to peacetime workloading capacity and mobilization surge requirements.

1-4. Discussion:

a. Requirement for Standard Mobilization/Combat Support Base Methodology. The availability of a standard mobilization/combat support base methodology, predicated on the consistent interpretation of aeronautical depot maintenance mobilization support guidance, is fundamental to the derivation and maintenance of the minimum peacetime aeronautical depot maintenance base required to support mobilization contingencies. Such a methodology must provide for the segregation of workloads into categories to be accomplished by: (1) organic (in-house) depots of the using Service; (2) organic depots operated by other Services (interservice support); and (3) commercial sources. Further, the source of repair decision logic process associated with the application of the methodology must be based on: (1) the application of standardized criteria to determine the distribution of in-house and interservice workloads; and (2) the assumption that the stated organic mobilization/combat support requirements of the individual Services (which constitute the minimum DoD organic mobilization base) are capable of being satisfied by the organic depots of the DoD. Finally, the methodology must provide for the continuing review and analysis of workload assignments to provide for reposturing of the aeronautical depot mobilization/combat support base in conformance with changes in mobilization guidance, budgetary considerations, and industrial technology advances.

b. Provisions of the Mobilization/Combat Support Base Methodology. Based on the foregoing requirements, the JADMAG, with the assistance of Service logistics staff personnel, developed a methodology for maintenance of the aeronautical depot mobilization/combat support base and the criteria appropriate to various action and decision blocks associated with the methodology. As directed by the JLC, the methodology provides for the interservicing consideration of: (1) all new systems/equipment items

entering a Service inventory; and (2) already postured systems/ equipment items meeting the criteria, detailed in Appendix B, "Methodology Triggers Requiring Postured Item Review." Additionally, the methodology provides that under certain exceptional circumstances, a system/equipment item may be proposed by a Service for in-house accomplishment by one or more of the depots which it manages and operates. These circumstances have been collectively defined by the JADMAG, the MISMOs, and the Service logistics staffs and are detailed in Appendix C, "Posturing Criteria" and Appendix D, "Screening Criteria." In each instance where a Service proposes to retain a system/equipment item for in-house accomplishment, the system/equipment item is also considered for an interservice source of repair assignment. To provide for evaluation of a Service plan to retain a system/ equipment item for in-house accomplishment, the Service must provide to the JADMAG and MISMOs a rationale for retention of the item and a retention plan. The rationale and plan for retention is evaluated by the JARNAG/MISMOs, taking into consideration the interservice source of repair recommendation for the system/ equipment item and the content of the Aeronautical Depot Maintenance Master Plan (ADMMP).

c. Use of Depot Maintenance Technical Information and Data. Application of the methodology for maintaining the aeronautical depot mobilization/combat support base requires the extensive use of depot maintenance technical information and data identical to that utilized for consideration and processing of a depot maintenance interservicing candidate. It is, therefore, essential that acquisition and logistics managers acquire depot level maintenance requirements data in the detail required for fulfillment of the information and data requirements of the depot maintenance interservicing process as well as those of the mobilization/combat support methodology. Specific data requirements are discussed in Chapter 4.

d. Depot Support Date Establishment Considerations.

(1) In establishing a depot support date, depot maintenance support planners must take into account the time required to obtain required technical information and data and to process a system/equipment item in accordance with the methodology. The establishment of data requirements and the timing of the availability of data is dependent on various phases of the acquisition process.

(a) In the instance of a major system acquisition which requires Defense Systems Acquisition Review Council (DSARC) review and approval in accordance with DoD Instruction 5000.2, "Major System Acquisition Process, the depot maintenance requirements data on specific system/equipment items must be incorporated in the integrated logistic support (ILS) portion of the request for proposal for the full scale,development contract for delivery during full scale development. In a less than major system/ equipment acquisition which does not require DSARC action, the

data must become available either prior to the release for full scale production or a commensurate period in the acquisition life cycle.

(b) Once the technical information and data required for application of the mobilization/combat support methodology, becomes available, the time to arrive at a source of repair decision is dependent on the data flow and decision requirements associated with the methodology. In-process times associated with application of the methodology are discussed in Chapter 3.

(2) In addition to the data acquisition and source of repair decision cycle time, lead times associated with the procurement of facilities and equipment, which are dependent on the particular requirements of the depot designated to rework the system/equipment item, must be considered in establishing a depot support date when the determination is made to utilize a depot organic to the DoD.

1-5. Policy.

a. Source of repair assignments for all aeronautical systems and equipment items, including new and postured items, requiring depot level maintenance will be planned by the Services, JADMAG, and MISMOs in accordance with the provisions of this regulation and the applicable provisions of the JLC publication on Depot Maintenance Interservice.

b. Source of repair decisions affecting peacetime and mobilization/ combat support base requirements will take into consideration, as a primary factor, the establishment and maintenance of the minimum DoD aeronautical depot maintenance support base required to ensure effective and efficient mobilization/combat support.

1-6. Responsibilities.

a. The Services are responsible for:

(1) Implementing the Service provisions of the mobilization/ combat support base methodology as specified in Chapter 2.

(2) The acquisition and formatting of depot level maintenance data required for the provision of technical information and data associated with the implementation of the mobilization/combat support base methodology. The source data shall be acquired by acquisition and logistics managers as an element of maintenance planning within the context of DoD Directive 5000.39, "Acquisition and Management of Integrated Logistic Support Systems and Equipment," and as required by MIL-STD 1388-I, "Logistic Support Analysis."

(3) Including milestones in connection with ILS planning for depot support which consider the timing involved in processing a system or equipment item and arriving at a source of repair decision as estimated in Chapter 3, "In-Process Times."

b. The JADMAG is responsible for:

(1) Revisions to this regulation based on policy changes or experience resulting from its implementation.

(2) Ensuring that the provisions of this regulation are uniformly implemented, inclusive of coordinating the resolution of variances between the Services, JADMAG, and MISMOs relative to the implementation of the mobilization/combat support base methodology and to the source of repair decision process.

(3) Coordinating all aeronautical depot maintenance source of repair determinations with the MISMOs prior to the announcement of a source of repair decision by the MISMOs.

c. The MISMOs are responsible for:

(1) Ensuring that the JADMAG is provided with completed data formats as required by Chapter 2 of this regulation.

(2) Providing the JADMAG a copy of each Maintenance Interservice Support Group (MISG) depot maintenance interservice recommendation.

(3) Coordinating all source of repair decisions involving the depot maintenance of aeronautical items with the JADMAG prior to their announcement by the MISMOs to the Services.

1-7. References.

OMB Circular No A-76, "Policies for Acquiring Commercial or Industrial Products Needed by the Government"
DoD Directive 4100.15, "Commercial and Industrial-Type Activities"
DoD Instruction 4100.33, "Operation of Commercial and Industrial-type Activities"
DoD Directive 4151.1, "Use of Contractor and Government Resources for Maintenance of Materiel"
DoD Instruction 50002, "Major System Acquisition Procedures"
DoD Directive 5000.39 "Acquisition and Management of Integrated Logistics Support for Systems and Equipment"
MIL-STD 1388-1, "Logistic Support Analysis"
NAVMATINST 4790-21A, DARCOM-R-750-10, AFLCR 800-30, AFSCR 800-30, MCO P4790.10 "Depot Maintenance Interservice"

CHAPTER 2

PROCEDURE

2-1. General Instructions/Information. The following general instructions and information apply to the use of Chart 1, "Methodology for Maintenance of Mobilization/Combat Support Base," in connection with the source of repair assignment for aeronautical systems/equipment items either entering or already postured in a Service inventory which require depot level maintenance:

a. Each system/equipment item postured in a Service inventory must be subjected to the "Posturing Criteria" and the source of repair decision process associated with the methodology in connection with the initial establishment of the mobilization/ combat support base. Therefore, any postured item not previously subjected to the Block 6 "Posturing Criteria" will automatically require a review upon implementation of this regulation.

b. Blocks 1 through 8 are action or decision blocks which are the responsibility of the Originating Service. The remaining blocks involve interaction between the JADMAG, the MISMOs, and the Services and are concerned with coordinating source of repair determinations, the implementation of coordinated planning actions, and the updating of the ADMMP.

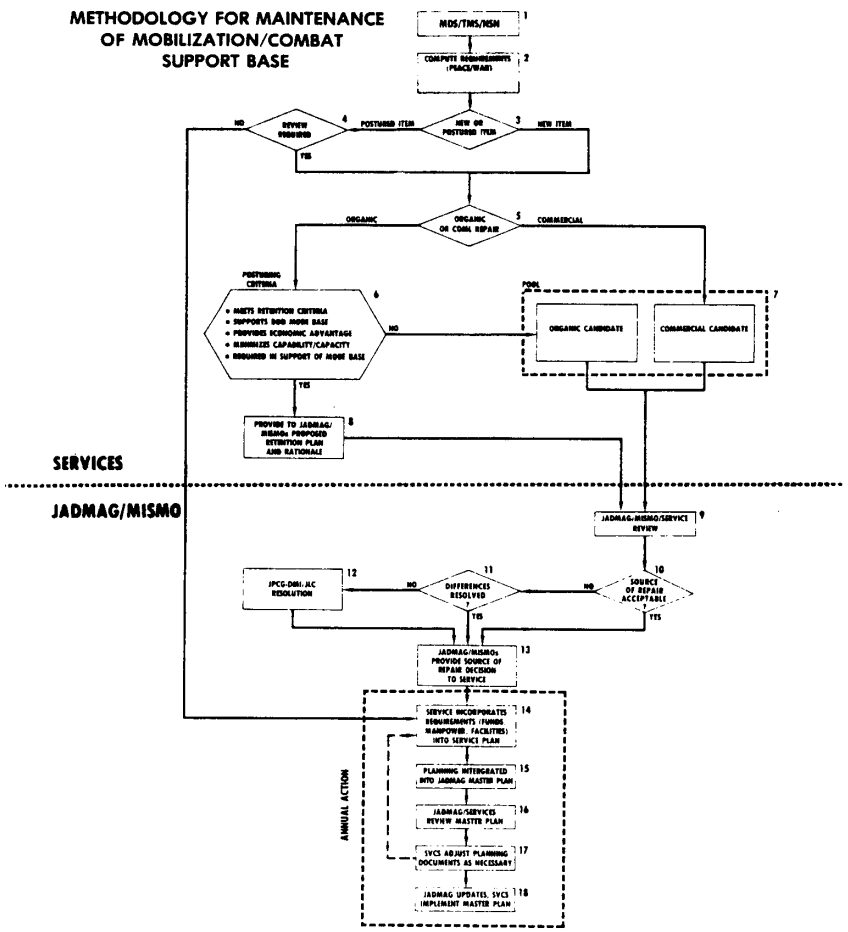
c. Actions involving the interservicing organization sponsored by the JLC and the processing of interservicing candidates are discussed in detail in the JLC Publication on Depot Maintenance Interservice. As described in Chapter 1, paragraph 1-4b of this regulation, items proposed for in-house accomplishment by an Originating Service are also considered as interservice support candidates and are subjected to an interservice source of repair study/analysis by the MISG.

d. The mobilization/combat support base methodology utilizes the technical information and data exhibits and formats which are utilized in conjunction with the processing and evaluation of an interservicing candidate, as follows:

(1) DMI Candidate Information (JLC Form 27)

(2) Program/Technical Data Package (JLC Forms 28 thru 32)

(3) Industrial Activity Capability and Capacity Response Package (JLC Forms 33 thru 41 and 43)


METHODOLOGY FOR MAINTENANCE OF MOBILIZATION/COMBAT SUPPORT BASE
MDS/TMS/NSN
1
COMPUTE REQUIREMENTS (PEACE/WAR)
2
REVIEW POSTURED
4
POSTURED ITEM
NEW OR POSTURED ITEM
3
NEW ITEM
NO
YES
ORGANIC
ORGANIC OR COMM REPAIR
5
COMMERCIAL
POSTURING CRITERIA
6
• MEETS RETENTION CRITERIA
• SUPPORTS DOD MOBE BASE
• PROVIDES ECONOMIC ADVANTAGE
• MINIMIZES CAPABILITY/CAPACITY
• REQUIRED IN SUPPORT OF MOBE BASE
NO
YES
POOL
7
ORGANIC CANDIDATE
COMMERCIAL CANDIDATE
PROVIDE TO JADMAG/ MISMOs PROPOSED RETENTION PLAN AND RATIONALE
8
SERVICES
JADMAG/MISMO
JADMAG-MISMO/SERVICE REVIEW
9
SOURCE OF REPAIR ACCEPTABLE
10
NO
YES
DIFFERENCES RESOLVED
11
NO
YES
JPCG-DRH: JCC RESOLUTION
12
JADMAG/MISMOs PROVIDE SOURCE OF REPAIR DECISION TO SERVICE
13
ANNUAL ACTION
SERVICE INCORPORATES REQUIREMENTS (FUNDS MANPOWER FACILITIES) INTO SERVICE PLAN
14
PLANNING INTERGRATED INTO JADMAG MASTER PLAN
15
JADMAG/SERVICES REVIEW MASTER PLAN
16
SVCS ADJUST PLANNING DOCUMENTS AS NECESSARY
17
JADMAG UPDATES, SVCS IMPLEMENT MASTER PLAN
18

(4) Rationale for Organic or Commercial Repair of New or Postured Item (JLC Form 44)

(5) Rationale for Retention of New or Postured Item (JLC Form 45)

e. Refer to Chapter 3 for a discussion of in-process times and to Chapter 4 for a discussion of information and technical data requirements associated with application of the mobilization/combat support base methodology.

2-2. Specific Instructions. Specific actions or determinations associated with each block are identified below in terms of: (1) the activity or activities responsible for each action or determination; and (2) the procedure or procedures required in connection with each block. To provide guidance concerning the intent of various action or decision blocks, notes have been included, as applicable.

a. BLOCK 1 MISSION DESIGN SERIES/TYPE MODEL SERIES/NATIONAL STOCK NUMBER (MDS/TMS/NSN)

Originating Service - Identify the system or equipment item by means of an MDS/TMS, an NSN or group of NSNs or a higher aggregation constituting a work task. If an NSN or NSNs have not been assigned, utilize a Part Number or Part Numbers to identify the system or equipment item.

b. BLOCK 2 COMPUTE REQUIREMENTS (PEACE/WAR)

Originating Service - Compute peace/war depot maintenance support requirements in accordance with existing directives and/or guidance.

c. BLOCK 3 NEW OR POSTURED ITEM?

NOTE: An item that is new to the Originating Service but is postured by another Service shall be considered as a new item for the purpose of this instruction.

Originating Service - Determine if the item is a new item entering the Originating Service inventory or is already postured and being reworked by an organic (including intra/interservice) or a commercial source. If the item is a postured item, proceed to Block 4. If the item is a new item, complete and forward "DMI Candidate Information (JLC Form 27)" to the Originating Service MISMO and to the JADMAG and proceed to Block 5.

NOTE: In the instance of a major system acquisition, the JLC Form 27 should be submitted no later than 90 days after award of the full scale development contract. In a less than major system acquisition, the Form 27 should be submitted within an equivalent timeframe.

d. BLOCK 4 REVIEW REQUIRED?

Originating Service - Determine if the item meets one or more of the "Methodology Triggers Requiring Postured Item Review" as listed in Appendix B. If the item meets one or more of the "Triggers" and therefore requires review, provide a JLC Form 27 to the Originating Service MISMO and the JADMAG (as described under Block 3) and proceed to Block 5. If the item does not meet the "Triggers" but is being considered for a change in its current source of repair, provide a JLC Form 27, as described above, and proceed to Block 5. If the item does not require review and no change in its source of repair is being considered, proceed to Block 14.

NOTE: The "Methodology Triggers" specifically apply to each postured item being reviewed. They are principally concerned with such aspects as increases in production, item modifications, environmental factors, and workload realignments which result in additional investment or production costs. In the context of this regulation, environmental factors to be considered are those specified by the Originating Service as applicable to the operation of its industrial type activities.

e. BLOCK 5 ORGANIC OR COMMERCIAL REPAIR?

Originating Service - Make a preliminary determination as to whether the item should be planned for organic (within DoD) or commercial repair or for repair by a combination of organic and commercial sources. To make the determination: (1) utilize the computed peace/war requirements (Block 2); (2) in the case of a postured item qualifying for review, the "Methodology Triggers" (Block 4); and (3) the policy and procedures contained in Originating Service instructions/regulations which implement DoDD 4100.15 and DoDD 4100.33. Following the organic/commercial repair determination, provide to the:

Originating Service MISMO and JADMAG - "Rationale for Organic or Commercial Repair of New or Postured Item (JLC Form 44)."

When requested by the MISG, provide to the:

MISG and JADMAG - Program/Technical Data Package. Provide the copy to the JADMAG less Form 29, "Depot Technical Publications/ Engineering Drawings" and less the technical publications and engineering drawings.

NOTE: A Program/Technical Data Package is not required for non-mission essential commercial items.

If it is decided by the JADMAG and MISMOs, on the basis of the Form 27 or Form 44 content, that a system/equipment item will not be considered for interservicing, the Originating Service MISMO will so advise the Originating Service. In such an instance, the JADMAG will advise the Originating Service MISMO whether a Program/ Technical Data

Package is required by the JADMAG for further source of repair consideration.

Proceed to Block 6 if the system/equipment item is proposed for organic repair; to Block 7 if proposed for commercial repair.

Services - When responding to a MISG request for an Industrial Activity Capability and Capacity Response Package, as prepared by each Service designated prospective depot, also forward a copy of each Response Package submittal to the JADMAG.

f. BLOCK 6 POSTURING CRITERIA

Originating Service - Evaluate each new or postured item proposed for organic repair to determine if the item meets one or more of the "Posturing Criteria" (Appendices C and D). If, as a result of application of the "Posturing Criteria," a determination is made to propose retention of the system/equipment item for in-house accomplishment, proceed to Block 8. If retention is not proposed, proceed to Block 7.

g. BLOCK 7 ORGANIC AND COMMERCIAL CANDIDATE POOL

NOTE: Organic and commercial candidates remain in a "Pool" status until: (1) the JADMAG/MISMO/Service review of each system/equipment item, per Block 9, is completed and a source of repair decision is furnished to the Originating Service; or (2) the item is withdrawn by a Service on the basis of the applicability of the Block 6, "Posturing Criteria."

Services - Screen organic candidates placed in the "Pool" to determine if any of the system/equipment items should be withdrawn from the "Pool" in conjunction with the applicability of Block 6. Justify each system/equipment item withdrawn from the "Pool" in accordance with the requirements of Block 3.

h. BLOCK 8 PROVIDE TO JADMAG/MISMOs PROPOSED RETENTION PLAN AND RATIONALE

Originating Service - If proposed in Block 6 to retain the system/equipment item for in-house accomplishment, provide "Rationale for Retention of New or Postured Item (JLC Form 45)" to the JPCG-DMI member, the Originating Service MISMO, and the JADMAG.

NOTE: JLC Form 45 is to be transmitted by means of a cover letter signed at the flag rank level and either prior to or concurrent with the provision of an Industrial Activity Response Package to the MISG and to the JADMAG by the Originating Service. Provision of the JLC Form 45 and the Response Package fulfills the requirement for submittal of a retention plan and rationale.

i. BLOCK 9 JADMAG/MISMO/SERVICE REVIEW

NOTE: The participation of Service logistics staff personnel will frequently be required in connection with various aspects of the source of repair review and' decision process. Service personnel designated for this purpose should be assigned decision making authority by the parent Service.

When a system/equipment item is being considered for an inter-service source of repair, the JADMAG will be provided with a copy of the MISG recommendation by the MISMOs. Service copies will be provided by the particular Service MISMO or the MISG depending on the direction each MISMO provides to the MISG in this regard.

JADMAG/MISMOs - Perform a review of the MISG source of repair recommendation, the rationale provided for retention of an item, or the use of a contractual source of repair, as applicable.

In the instance of an organic (interservice) candidate, determine if the source of repair recommended by the MISG is acceptable. The ADMMP and the information provided by the aforementioned formats provide baseline data for the determination.

In those instances where the Originating Service proposes retention of the item and the MISG recommends another Service source of repair, consider the applicability of the rationale provided by the JLC Form 45 as compared to the economic advantage of interservicing and as compared to the ADMMP.

JADMAG - In the instance of a commercial candidate which has been subjected to interservice consideration, review the completed data formats to determine if commercial or organic repair should be recommended.

Services - Upon receipt of the MISG recommendation, coordinate review with JADMAG and MISMOs, as required.

j. BLOCK 10 SOURCE OF REPAIR ACCEPTABLE?

JADMAG/Services - Advise MISMOs if the MISG source of repair recommendation is acceptable. If unacceptable, provide rationale for nonconcurrence and substantiate recommendation for other than MISG recommended source of repair.

Services - Provide response to Service MISMO, copy to JADMAG.

k. BLOCK 11 DIFFERENCES RESOLVED?

JADMAG/MISMOs/Services - Coordinate resolution of differences, if required. If unable to reconcile differences at the JADMAG/MISMO/ Service level, proceed to Block 12.

l. BLOCK 12 JPCG-DMI/JLC RESOLUTION

JADMAG/MISMOs - Obtain source of repair decision at the JPCG-DMI level or, if necessary, at the JLC level.

m. BLOCK 13 JADMAG/MISMOs PROVIDE SOURCE OF REPAIR DECISION TO SERVICE

MISMOs - Upon initial acceptance (Block 10) or resolution (Blocks 11 or 12), provide decision to Originating Service.

Originating Service - Upon receipt of decision resulting from acceptance or resolution process, proceed to Block 14.

n. BLOCK 14 SERVICE INCORPORATES REQUIREMENTS (FUNDS, MANPOWER, FACILITIES) INTO SERVICE PLAN

NOTE: Blocks 14 thru 18 actions are accomplished on an annual basis.

Originating Service - Incorporate into Service depot maintenance plan requirements for the funds, manpower, facilities, etc., necessary for accomplishment of the in-house, inter/intraservice, and commercial workloads resulting from Blocks l thru 13 actions and decisions.

o. BLOCK 15 PLANNING INTEGRATED INTO JADMAG MASTER PLAN

Originating Service - Provide the Block 14 planning data to the JADMAG.

JADMAG - Integrate the data into the ADMMP data bank.

p. BLOCK 16 JADMAG/SERVICES REVIEW MASTER PLAN

Services/JADMAG - Review the ADMMP to determine, on the, basis of total visibility provided by the Master Plan, to ensure there is general agreement on Master Plan Long Range Planning.

q. BLOCK 17 SERVICES ADJUST PLANNING DOCUMENTS, AS NECESSARY

Services - Adjust Block 14 actions to incorporate any changes resulting from Block 16 review of the Master Plan.

r. BLOCK 18 JADMAG UPDATES, SERVICES IMPLEMENT MASTER PLAN

JADMAG - Update Master Plan by incorporating any changes resulting from Block 16 review of the Master Plan.

Services - Implement applicable portion of Master Plan.

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CHAPTER 3

IN-PROCESS TIMES ASSOCIATED WITH APPLICATION OF THE METHODOLOGY

3-1. General. The time required to process a system or equipment item, in conjunction with applicable mobilization/combat support base methodology decision and/or action blocks, must be considered by logistics support planners in terms of establishing and meeting depot support requirement dates. As detailed in Chapter 2, "Procedures," certain blocks are the specific responsibility of the Originating Service while others involve interaction between the JADMAG, the MISMOs, and the Services. For example, the time involved in surfacing either a new or a postured system/equipment item for review and in submitting information and data concerning the item to the JADMAG and the MISMOs is the responsibility of the Originating Service. More specifically, the time involved between the surfacing of an item and the submittal of information and data to the JADMAG and the MISMOs is dependent on the time it takes for the Originating Service to: (1) Surface and introduce the item (Blocks 3 and 4); (2) arrive at an organic or commercial repair decision (Block 5); (3) evaluate the applicability of the posturing criteria (Block 6); and (4) to prepare and furnish documentation associated with Blocks 1 thru 8.

3-2. Non-Quantifiable In-Process Times. In-process times associated with Blocks 1 thru 8 cannot be collectively quantified because they are principally dependent on Service initiatives and modus operandi. To reduce the total Blocks 1 thru 8 in-process time, the Originating Service should, however, take measures to ensure that its segment of the total time is kept to a minimum. This can be accomplished by:

a. Developing and institutionalizing procedures which will ensure early identification and introduction of new items and of postured items requiring review.

b. Acquiring depot level maintenance requirements data through contractual means and by using the acquired data to:

(1) Expeditiously arrive, in conjunction with planning data, at an in-house retention, organic pool candidate, or commercial pool candidate determination.

(2) Complete pertinent formats of the Program/Technical Data Package without resorting to the time consuming process of requiring Service personnel to extract the information from various segments of the logistics support analysis process, from technical publications, engineering specifications and, in some instances, to acquire the information by visits to contractor facilities.

3-3. Quantifiable In-Process Times. Certain aspects of the JADMAG/MISMO/Service review process, from the time the JADMAG, the MISMOs, and the MISG receive information and data from the Services until a source of repair decision is provided and integrated into planning documents, are quantifiable. The Originating Service must add its internal processing time to the JADMAG/MISMO/Service review and source of repair decision time cycle in planning for the establishment of depot support capability.

3-4. Specific In-Process Times. The following in-process times, pertinent to specific blocks, are provided:

a. In-Process Interval Between Block 5, "Organic or Commercial?" and Block 9, "JADMAG/MISMO/Service Review. " As described under Block 5 in Chapter 2, "Procedures," this block involves a study process by the MISG, when it is decided to evaluate the interservice potential of a system/equipment item, to: (1) request, receive, and finalize the Program/Technical Data Package provided by the Originating Service; (2) distribute copies of the finalized Program/Technical Data Package to prospective depots; (3) analyze Industrial Activity Capability/Capacity Responses received from prospective depots; (4) perform site surveys; and (5) recommend a Service source of repair to the JADMAG and MISMOs.

NOTE: In connection with the MISG study process, the MISG, in coordination with the Originating Service appropriate program/ action office, develops a study plan and milestone chart which documents the specific times associated with accomplishment of each step enumerated above. Any subsequent changes to these timeframes are negotiated and require the concurrence of the MISG and the program/action office.

b. Block 9, "JADMAG/MISMO/Service Review"

(1) MISG - transmit copies of source of repair recommendation to Services staff offices and JADMAG as directed by each MISMO.

NOTE: If the MISG is not authorized to directly transmit copies to the Services and the JADMAG, copies will be forwarded by the MISMOs within 3 days of receipt.

c. Block 10, "Source of Repair Acceptable?"

(1) JADMAG - Advise MISMOs of concurrence/nonconcurrence within 30 days of date of MISG recommendation letter.

(2) Services - Advise MISMOs, copy to JADMAG, of concurrence/nonconcurrence within 30 days of date of MISG transmittal letter.

d. Block 11, "Differences Resolved?"

(1) JADMAG/MISMOS/Services - Coordinate resolution of differences within 30 days after due date of Block 10 responses.

(2) MISMOs - If resolution not accomplished, provide memorandum to all concerned indicating requirement for JPCG-DMI resolution within 30 day resolution timeframe.

e. Block 12, "JPCG-DMI/JLC Resolution"

(1) JPCG-DMI level - Not quantifiable.

(2) JLC level - Not quantifiable.

f. Block 13, "JADMAG/MISMO Provide Source of Repair Decision to Service"

Applicable to Block 10.

MISMOs - Within 60 days of date of MISG letter of recommendation Applicable to Block 12.

MISMOs - Within 7 days of resolution of source of repair selection.

g. Blocks 14 thru 18 In-Process Times. The following actions occur on an annual basis and are applicable to the methodology as it pertains to implementation and execution of a source of repair determination or decision:

(1) Block 14, "Service Incorporates Requirements (Funds, Manpower, Facilities) into Service Plan" - Time not quantifiable as it depends on Service initiative and planning in relation to the budgetary cycle. However, update will be made annually with submission of the Service plan.

(2) Block 15, "Planning Integrated into JADMAG Master Plan" Within 30 days of receipt of Service plan.

(3) Block 16, "JADMAG/Services Review Master Plan" - Within 45 days of integration of Service plans into JADMAG Master Plan.

(4) Block 17, "Services Adjust Planning Documents as Necessary - (See Block 14 comment)

(5) Block 18, "JADMAG Updates, Services Implement Master Plan" - JADMAG update - 30 days; Service implementation time depends on Service initiative.

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CHAPTER 4

DATA REQUIREMENTS

4-1. General. This chapter discusses the specific data requirements associated with application of the methodology for maintenance of the mobilization/combat support base. Chapter 1, paragraphs 1-4c and 1-4d(1)(a) respectively discuss the need for acquisition and logistics managers to acquire depot level maintenance requirements data and the incoporation of the data requirements into particular phases of major and less than major system acquisitions. Chapter 1, paragraph 1-6(a)(2) cites the acquisition of depot requirements data required in connection with implementation of the mobilization/combat support base methodology as a Service responsibility. Specific data formats associated with depot maintenance interservicing and the additional data formats added in connection with the methodology are listed in Chapter 2, paragraph 2-1d.

4-2. DMI Candidate Information (JLC Form 27)

a. Description - The JLC Form 27 is used to provide preliminary information concerning a new system/equipment item entering a Service inventory or a system/equipment item already in a Service inventory which requires review because it meets one or more of the "Triggers" listed in Appendix B. Besides providing preliminary information concerning the system/equipment item, such as manufacturer, inventory, application, functional description, and unique technological features/depot repair processes, the JLC Form 27 provides a listing of contact points involved in the acquisition and logistic support of the system/equipment item.

b. Applicable Methodology Blocks

Block 3, "New or Postured Item?"
Block 4, "Review Required?"

c. Submittal Requirement - The JLC Form 27 is submitted by the Originating Service to the Originating Service MISMO and to the JADMAG.

4-3. Rationale for Organic or Commercial Repair of New or Postured Item (JLC Form 44)

a. Description - The JLC Form 44 supplements the JLC Form 27. In the instance of a new item, it provides information concerning the proposed source of repair (organic or commercial), the depot support requirement date, a transition plan, and transition date (if applicable). In the case of a postured item, the JLC Form 44 provides the current status of the item, the current source of repair, the proposed source (organic or commercial), and a

transition date (if applicable). In addition, the JLC Form 44 provides new or postured item inventory data by fiscal years. On the basis of the proposed source of repair (organic or commercial), the JLC Form 44 requires the Originating Service to provide the rationale for the organic or commercial repair determination.

b. Applicable Methodology Block.

Block 5, "Organic or Commercial Repair?"

c. Submittal Requirement - The JLC Form 44 is submitted by the Originating Service to the Originating Service MISMO and the JADMAG.

4-4. Rationale for Retention of New or Postured Item (JLC Form 45)

a. Description - The JLC Form 45 is used in connection with an Originating Service proposal to retain either a new or postured system/equipment item for in-house accomplishment by one or more of the industrial activities which it manages and operates. The JLC Form 45 requires the Originating Service to identify the applicable "Retention Criteria," as listed in Appendices C and D and to provide the rationale supporting the criterion or criteria identified as being applicable. Additionally, the JLC Form 45 requires the Originating Service to advise whether all or a part of the workload is proposed for in-house retention. If part of the workload is proposed for retention, the JLC Form 45 requires the Originating Service to advise if the remainder is proposed for repair by another Service organic source or by a commercial source. If, in accordance with Block 7, "Pool" actions, a Service proposes the in-house accomplishment of a system/equipment item placed in the "Pool" by another Service, the Service proposing in-house accomplishment is required to furnish a JLC Form 45 to signify its intent.

b. Applicable Methodology Blocks.

Block 6, "Posturing Criteria"
Block 8, "Provide to JADMAG/MISMOs Proposed Retention Plan and Rationale"

c. Submittal Requirement - The JLC Form 45 is submitted to the JPCG-DMI member, the Service MISMOs, and the JADMAG by the Originating Service or by a Service proposing in-house accomplishment of a system/equipment item placed in the "Pool" by another Service. Submittal is accomplished by means of a covering letter signed at the flag rank level. The time of submittal is either prior to or concurrent with the Part III - Depot Response Package, as described in paragraph 4-6.

4-5. Program/Technical Data Package.

a. Description - The Program/Technical Data Package, when completed,is generally referred to as a Technical Data Package. The Technical Data package is derived from the depot maintenance requirements data acquired by the acquisition/logistics manager in connection with integrated logistic support planning and specifically with the logistics support analysis process. The Technical Data Package requires the provision of a depot level repairable item list which forms the basis for the provision of technical publications, technical data and drawings, a description of unique equipment and facility requirements applicable to particular components, and a projection of component depot rework generations during peacetime and under mobilization. The Technical Data Package is utilized for the preparation of an Industrial Activity Capability and Capacity Response Package.

b. Applicable Methodology Blocks - Associated with actions which take place between Block 3, "New or Postured Item?" and Block 9, "JADMAG/MISMO/Service Review."

c. Submittal Requirements - Submittal of a Technical Data Package is required for each organic system/equipment item and for mission essential commercial items following receipt of a MISG request. In a major acquisition program, submittal of applicable Technical Data Packages should be accomplished during Full Scale Development. In a less than major acquisition program, submittal should be accomplished either prior to release for full scale production or a commensurate period in the acquisition life cycle. Technical Data Packages are provided by the Originating Service to the MISG and the JADMAG. The JADMAG copy is provided less Form 29 and the accompanying technical publications and engineering drawings. If it is determined by the JADMAG and the MISMOs that a system/equipment item will not be interserviced, the Originating Service may be required to provide a Technical Data Package (less Form 29 and publications and drawings) to the JADMAG.

4-6. Industrial Activity Capability and Capacity Response Package

a. Description - The Industrial Activity Capability and Capacity Response Package, when completed, is generally referred to as a Depot Response Package. It is utilized by DoD source of repair candidates for detailing their capability, capacity, and capital investment cost to rework the system or equipment item on the basis of the content of the Technical Data Package, as finalized and distributed by the MISG. The Depot Response Package requires activities to detail and cost out available and additionally required common and peculiar support equipment (including automatic test equipment) and plant equipment (including industrial plant equipment). Facility alteration, modernization and construction requirements, formal training and their respective costs, as well as man-hours requirements for peacetime support.

Mobilization support workload projections are also included.

b. Applicable Methodology Blocks - Same as paragraph 4-5b.

c. Submittal Requirements - The Depot Response Package is submitted by prospective Service depots to the MISG and to the JADMAG within the timeframe specified in the MISG letter which forwards the finalized Technical Data Package. In some instances, the submittal is accomplished by a Service, rather than directly by a Service depot. The Depot Response Package submitted in connection with concurrent interservice consideration of the system/equipment item constitutes the proposed retention plan required by Block 8 when: (1) an Originating Service desires to retain a system/equipment item for in-house accomplishment; or (2) a Service proposes to accomplish a system/equipment item placed in the "Pool" by another Service. In the event the Depot Response Package submitted in either of the above circumstances does not result in a coinciding MISG source of repair recommendation, the rationale provided via the JLC Form 45 and the content of the ADMMP may cause the JADMAG and MISMOs to override the MISG recommendation.

CHAPTER 5

EVOLUTION, PURPOSE, AND ORGANIZATION OF THE JADMAG

5-1. Evolution, Purpose, and Organization of the JADMAG

a. Evolution. The JADMAG was established by the JLC as a practicable alternative to a July 1978 General Accounting Office (GAO) Report entitled "Aircraft Depot Maintenance: A Single Manager Is Needed to stop Waste." The report recommended that the Secretary of Defense should either designate or establish a single manager over aircraft depot maintenance. This recommendation was based on GAO findings regarding inconsistent implementation of DoD policy, excess capacity, unnecessary redundancy of facilities and equipment, lack of interservicing, and the nonavailability of a DoD aeronautical depot master plan.

b. Purpose. On 19 March 1980, the JLC chartered the JADMAG to develop and recommend, for JLC approval and implementation, policy and actions necessary to assure effective and efficient aeronautical depot maintenance in support of Service missions. Major tasks assigned by the JADMAG Charter which are involved in the content of this instruction are as follows:

(1) Review and ensure consistent interpretation of aeronautical depot maintenance mobilization planning guidance.

(2) Develop and maintain a standard methodology for determining the aeronautical depot maintenance mobilization support base.

(3) Develop and maintain a consolidated Aeronautical Depot Maintenance Master Plan and dedicated data analysis capability.

c. Organization. The JADMAG consists of full-time personnel assigned by the Army, Navy, and Air Force. Three Senior Members, one from each Service, are administratively responsible for the supervision of the full-time staff members assigned by their respective Service and are technically responsible for the accomplishment of the mission assigned by the JADMAG Charter. A Director is responsible to the JPCG-DMI for the management of the JADMAG and for the execution of all tasks assigned to the JADMAG.

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APPENDIX A

EXPLANATION OF TERMS

Aeronautical Depot Maintenance Master Plan: A Master Plan developed and maintained by the JADMAG which addresses, as a minimum, facility, equipment manpower, cost, workload distribution, and mobilization/combat support base requirements. The Master Plan is jointly utilized by the JADMAG, and the Services as the principal planning document for the establishment and continuing evolution, by means of annual update, of the minimum aeronautical depot peacetime base required to provide mobilization/combat support. In format, the Master Plan consists of four volumes, respectively titled Mobilization, Baseline, Analysis, Action Plan.

Capability: Availability of those resources; namely facilities, tools test equipment, drawings, technical publications, trained maintenance personnel, engineering support, and availability of spare parts, required to carry out depot level maintenance.

Capacity: A quantitive measure of depot level maintenance capability usually expressed as the amount of direct labor man-hours that can be applied within a specific industrial shop, or other entity, during a 40-hour week (one shift--5 days).

Commercial or Industrial-Type Activity: An activity operated and managed by a DoD component, that provides a product or service obtainable from a private, commercial source. A DoD commercial or industrial-type activity can be identified within an organization or type of work, but must be: (1) separable from other functions so as to be suitable for performance either in-house or by contract; and (2) a regularly needed activity of an operational nature, not a one-time duration associated with support of a particular project.

Component: An assembly or any combination of parts, subassemblies, and assemblies mounted together in manufacture, assembly, maintenance or rebuild.

Depot Maintenance: That maintenance which is the responsibility of and performed by designated maintenance activities, to augment stocks of serviceable materiel, and to support Organizational Maintenance and Intermediate Maintenance activities by the use of more extensive shop facilities, equipment, and personnel of higher technical skill than are available at the lower levels of maintenance. Its phases normally consist of inspection, test, repair, modification, alteration, modernization, conversion, overhaul, reclamation, or rebuild of parts, assemblies, subassemblies, components, equipment end items, and weapons systems; the manufacture of critical nonavailable parts; and providing technical assistance to intermediate maintenance organizations, using and other activities. Depot maintenance is normally

accomplished in fixed shops, shipyards, and other shore based facilities, or by depot field teams.

End Item: A final combination of end products, component parts and/or materiels which is ready for its intended use, e.g., ship, tank, mobile machine shop, aircraft.

Equipment Item: See definition of Component and End Item.

In-house Organic: The accomplishment of depot maintenance of a system or equipment item by an industrial activity of the using Service. (See definition of Organic Maintenance.)

Interservice Maintenance Support: Depot level maintenance, either recurring or non-recurring, performed by the organic capability of one Military Service or element thereof, in support of another Military Service or element thereof.

Minimum Mobilization/Combat Support Base: The minimum capability and capacity necessary in peacetime to provide the technical competence and resources required for mobilization/combat support.

Mission-Essential Materiel: a. That materiel which is authorized and available to combat, combat support, combat service support, and combat readiness training forces to accomplish their assigned mission. b. For the purpose of sizing organic industrial facilities, that Service-designated materiel authorized to combat, combat support, combat service support, and combat readiness training forces and activities, including Reserve and National Guard activities, which is required to support approved emergency and/or war plans, and where the materiel is used to: (1) destroy the enemy or his capacity to continue war; (2) provide battlefield protection of personnel; (3) communicate under war conditions; (4) detect, locate, or maintain surveillance over the enemy; (5) provide combat transportation and support of men and materiel; and (6) support training functions, but is suitable for employment under emergency plans to meet purposes enumerated above.

Organic Maintenance: That depot level maintenance performed by a Military Department under military control utilizing government-owned or controlled facilities tools, test equipment, spares, repair parts, and military or civilian personnel. Depot level maintenance by one Service for another is considered organic within the DoD. (See definition of In-house Organic.) This does not include government-owned, contractor operated facilities.

Postured Item: An item already in a Service inventory and being reworked by an organic (including intra/interservice) or a commercial source. An item that is new to the Originating Service but is postured by another Service is considered as a new item.

Reposturing: A workload realignment action which is associated with a planned facility closure; involves a transfer from an organic to organic, a commercial to an organic, or from an organic to a commercial source; involves the realignment of work that creates a new capacity; and/or results from an interservice source of repair decision.

System: A combination of two or more equipment items or sets of equipment generally physically separated when in operation and such other assemblies, subassemblies, and parts necessary to perform an operational function or functions.

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APPENDIX B

METHODOLOGY TRIGGERS REQUIRING POSTURED ITEM REVIEW

Facility Alteration/Construction - A change in production requirements, an engineering change or an environmental impact which results in a requirement for the funding of an equipment installation, special project, exigent minor construction, or military construction project in excess of $100,000.

Equipment Buy - A change in production requirements, an engineering change or an environmental impact which requires the acquisition or modification of support equipment or industrial plant equipment exceeding a total acquisition of $100,000.

JADMAG/Services Master Plan Development/Review/Analysis - A review requirement resulting from the analysis of the Aeronautical Depot Maintenance Master Plan (capacity, capability, utilization) by the JADMAG and/or the Services.

Reposturing - A workload realignment action requiring an expenditure in excess of $100,000 which: is associated with a planned facility closure; is planned to transfer from an organic to organic, a commercial to an organic source, or from an organic to a commercial source; involves the realignment of work that creates new capacity; results from an interservice source of repair decision.

Directives from Higher Authority - A requirement to consolidate or relocate the source of repair of an item or category of equipment emanating from higher authority.

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APPENDIX C

POSTURING CRITERIA

Meets Retention Criteria - Refer to Appendix D, "Screening Criteria to be Used as Guidance in Identifying Retention Candidates. Supports DoD Mobilization Base - The item is being reworked as part of the DoD mobilization base in support of a depot maintenance interservice or intraservice agreement. Such an agreement must specify the accomplishment of workloads associated with support of the item in conjunction with mobilization contingencies.

Provides Economic Advantage - The workload associated with support of the item can readily be accommodated with minimal additional expenditure in capital or production costs. Such cost must not exceed the capital investment threshold ($100,000) which requires its introduction into the interservicing arena for interservicing consideration.

Minimizes Capability/Capacity - The item meets the retention criteria. However, only that portion of the item workload which will minimize capability and capacity requirements will be proposed for retention. The remainder of the workload will be placed in the organic candidate pool and is eligible for interservicing or reassignment to the Originating Service.

Required in Support of Mobilization Base - The item does not recycle for depot maintenance during wartime. However, it is being proposed for retention as peacetime workload since its rework constitutes a source of manpower, skills, equipment, or capacity necessary to the accomplishment of mobilization surge requirements of other items.

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APPENDIX D

SCREENING CRITERIA TO BE USED AS GUIDANCE IN IDENTIFYING RETENTION CANDIDATES

Alternate Repair Capability - The criticality of this item/technology indicates that more than one repair point be available; i.e., danger of loss of repair by sabotage, fires, and natural disaster.

Would the primary wartime mission be aborted if the item were not available due to loss of the single site?

Maintenance Engineering - The using Service must retain hands on depot maintenance capability of an item/system to assure engineering capability, to provide for assessment of disassembly and inspection findings, modification requirements and configuration changes, as well as to develop and revise depot level rework specifications. This involves access to maintenance data reporting systems and retention of capability to analyze reliability and maintainability characteristics.

Does the item/system represent a new technology, material, or process where hands-on capability is necessary to perform the maintenance or engineering function by the using Service?

Does the item/system require frequent revision of rework requirements due to unstable configuration design deficiencies or changing operational support requirements?

Field Team/Lower (Direct) Levels of Maintenance Support - Maintenance support aspects of the system/equipment item require that the using Service retain the capability to control the availability of and to provide depot personnel for contingency support of the system/equipment item on ships, in-theater, and at operating bases.

Is rapid deployment of depot field teams required to provide contingency/technical support to the user?

Is depot assistance required to augment or enhance direct support of the item?

Does colocation of depot and organizational/intermediate maintenance activities supporting identical items/systems result in shared utilization of either personnel, equipment or facilities?

Training/Rotational Base For Military Personnel - Because of unique maintenance support requirements (relationship between organizational/intermediate/depot repair requirements due to maintenance concept of using Service), the using Service must conduct depot training on the system/equipment to provide a ready source of

military personnel capable of providing maintenance support of the system/equipment item under war conditions. The using Service must rework the system/equipment item as part of a rotational base for military maintenance personnel.

Is the training of military personnel, over and above technical training, of such a nature that it cannot be accommodated at the host activity and or by the host Service?

Short Term Workload - Items identified to be phased out of the inventory, or interim items intended to fill a short-term operational need prior to introduction of the preferred item.

Minimum Capability - Non-retention of the item would result in an unacceptable loss of a vital skill base.

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