

Chapter 7

THE DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA) AND THE INTERSERVICE MATERIAL ACCOUNTING AND CONTROL SYSTEM (IMACS)

7.1 Overview

The Interservice Material Accounting and Control System (IMACS) is designed to automate creation of the Depot Maintenance Interservice Support Agreement (DMISA), and to provide asset visibility and financial integrity for its associated repairable items. IMACS both supports the management of assets being repaired under the DMISA and operates in a password-protected client/server environment. The IMACS database is centrally located on a Hewlett Packard (HP) 9000 server at the Defense Megacenters (DMC) Ogden, Hill Air Force Base, Utah. The server implements all of the database activities directed by the IMACS clients (end user workstations) including generation of required reports. The end user clients are distributed across the United States and gain access to IMACS primarily via the Defense Information Systems Network (DISN). Access via modem is also possible. The IMACS Website is www.hill.af.mil/imacs. The two major areas of the DMISA process that IMACS automates are:

a. Negotiation and maintenance. Those areas of negotiation, acceptance (and eventually termination) required once a decision to accomplish a depot workload via DMISA is made by the Agent (the military service responsible for providing depot maintenance support) and the Principal (the military service or other organization receiving depot maintenance support from the Agent).

b. Asset visibility and financial integrity. Those areas of management that require the posting and display of transactions to reflect changes in asset balances. DMISA related shipment, receipt, inventory balance and production data generated at principal Inventory Control Points (ICPs) and agent depot sources of repair are available to authorized users throughout the United States.

7.2 Features of IMACS

- a. The overall capabilities of IMACS include an ability to:
- (1) Provide visibility of assets through supply and maintenance.
 - (2) Provide asset tracking from Principal to Agent and Agent to Principal.
 - (3) Provide timely and accurate production, inventory balance, funding and item transaction reporting (TIR).

- (4) Automate DMISA negotiation and administration between the Principal and the Agent.
- (5) Facilitate negotiation of DMISA requirements.
- (6) Conduct on-line negotiations.
- (7) Accelerate the negotiation of DMISAs.
- (8) Produce DMISA exhibits and reports.
- (9) Interface with existing legacy environment systems and provide manual input for production and supply data.
- (10) Implement a common electronic messaging system.
- (11) Provide tools to reconcile DMISA asset shipment, receipt and storage data.
- (12) Provide an automated history of DMISA actions.

b. Benefits of IMACS include:

- (1) Providing an on-line way to draft, negotiate and manage DMISAs resulting in a reduction in overhead and lead-time.
- (2) Providing improved visibility of DMISA assets owned by one service but being repaired under a DMISA with another service. Assets are visible throughout the entire maintenance cycle, from shipment of an asset by the Principal to the Agent's repair activity, through return and receipt of the repaired asset by the Principal.
- (3) Providing the interservice workload management functionality for the depot maintenance systems.

7.3 IMACS Users and Implementation Sites

a. IMACS users are typically composed of:

- Maintenance Interservice Support Officers (MISOs).
- Maintenance Interservice Coordinating Officers (MICOs).
- Maintenance Interservice Support Management Officers (MISMOs).
- Item, Supply, Production and Program Managers.
- Workloaders.
- Planners and Schedulers.
- Equipment Specialists.
- DMISA Supply Clerks.
- DoD users who need to track/review DMISA assets.

b. IMACS is a system that is in an ongoing state of implementation. The following are the sites where IMACS is currently installed:

(1) Marine Corps

- Albany, GA
- Barstow, CA

(2) NAVSEA

- NAVSURFWARCENDIV Crane, IN
- NAVSURFWARCENDIV Indian Head, MD
- NAVEODTECHDIV Indian Head, MD

(3) NAVAIR

- NAD Jacksonville, FL
- NAD North Island, CA
- NAD Cherry Point, NC

(4) Air Force

- WR-ALC Warner Robbins, GA
- OC-ALC Oklahoma City, OK
- SA-ALC San Antonio, TX
- SM-ALC Sacramento, CA
- OO-ALC Ogden, UT

(5) Army

- Tobyhanna Army Depot, Tobyhanna, PA
- Letter Kenny Army Depot, Chambersburg, PA
- Anniston Army Depot, Anniston, AL
- Corpus Christ Army Depot, Corpus Christi, TX
- Red River Army Depot, Texarkana, TX
- ACALA Rock Island, IL
- AMCOM Redstone Arsenal, AL
- CECCOM Fort Monmouth, NJ
- HQAMC Alexandria, VA
- TACOM Warren, MI

7.4 DMISA Management Process Enhancements

IMACS supports the DMISA management process by providing current and accurate information within the DMISA document as well as current status for the tracking of DMISA assets. Enhanced management control is promoted through:

a. Increased DMISA visibility that provides accurate, timely data to authorized interservice users. The data includes applicable parts of the DMISA boilerplate and relevant exhibits. If necessary, restrictions can be installed to limit DMISA access to only those interservice personnel affiliated with the specific DMISA.

b. An automated TIR mechanism that provides accurate and timely interservice related transaction and depot balance data to authorized interservice users. Included are shipping and receipt transactions, in transit transactions, inventory adjustment transactions, and data that provide depot asset balances by condition code. The system provides historical transaction data and a daily balance history for the life of the DMISA.

c. Maintenance status reports that provides accurate and timely maintenance production data to authorized users. The maintenance data is by National Stock Number (NSN) and Ownership Purpose Code, keyed to the DMISA requirement that generated it. The status includes the number of assets inducted into the maintenance facility and the date that the induction occurs, the number and status of the assets while in the maintenance cycle to include "On Work Order" (OWO), "Awaiting Maintenance" (AWM), or "Awaiting Parts" (AWP). The system provides the number of assets that are condemned as well as the number of assets that are completed or produced by the maintenance system and the date that the condemnation/production occurs. Historical production data is provided for the life of the DMISA and production data is summarized monthly.

d. Funding status that relates funding data to the DMISA requirements. Data includes the Military Interdepartmental Purchase Request (MIPR)/Project Order (PO) number and related data, as well as any associated amendments. Committed and obligated funds are identified to a specific workload.

e. Organizational information that provides point of contact data related to DMISAs, along with User Identifications and Department of Defense Activity Address Code (DODAAC) data.

7.5 DMISA Format

The IMACS system provides the capability to create, display, maintain, and print all components of the DMISA. Both the Agent and Principal can print the DMISA at any time while it is still in negotiation. The first part of the DMISA is composed of:

a. The DIMSA Cover or Title Page. This part of the document must identify the workload covered by the DMISA. The nomenclature or the type, model and series of the equipment or system are identified by commodity groupings such as cryptographic items. The Agent devises and assigns the Acceptance (or DMISA) Number. Figure 7-1 displays the matrix used to develop the DIMISA Number. The activity of the Principal and Agent will be identified above the signature lines and the activity performing the work will be named. This page documents acceptance of the terms of the agreement. Acceptance is

ensured when personnel who have approval authority for DIMISAs affix their signatures. The Principal, Co-Principal or Agent Maintenance Interservice Support Officer (MISO)/Maintenance Interservice Coordinating Officer (MICO) have the ability to enter the signature data and complete the DIMISA boilerplate title page electronically. Signatures via electronic means are acceptable. Figure 7-2 is the Cover or Title Page Format.

AGENT’S ACCEPTANCE (DMISA) NUMBER

- COLUMN 1-6 Agent identification. Use six alpha characters, blank spaces or dashes.
- COLUMN 7-8 Fiscal Year of initial negotiation. Use last two digits of the FY.
- COLUMN 9 Leave blank. (mandatory space).
- COLUMN 10-11 Serial Number. Use two numerics assigned by Agent, sequential within FY.
- COLUMN 12 Amendment. Use one alpha character: A for basic, B for first amendment of the DIMISA, C for second, etc.
- COLUMN 13 Principal Service/agency Identification. Use one alpha character: A - Army; N – Navy; F – Air Force; M – Marine Corps; C – Coast Guard; L – Defense Logistics Agency; D – Defense Mapping Agency; G – General Services Administration; T – Customs Service; R – Federal Aviation Administration; W – National Oceanic and Atmospheric Administration/National Weather Service; J – Immigration and Naturalization Service; X – all others.
- COLUMN 14-15 Principal Command Identification. Use two alpha characters. See the Joint Depot Maintenance Regulation (OPNAVINST 4790.14A) Appendix F for a complete list of “Codes for Principals”.

SAMPLE FORMATS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Basic DIMISA	C	E	C	O	M		0	0		3	0	A	N	H	A
Army (CECOM) Agent Navy (NAVSEA) Principal															
DMISA With 1 Amendment	A	I	R	C	P	T	9	9		0	3	B	F	S	X
NAVY (NADEP CP) Agent USAF (OC-ALC) Principal															

Figure 7-1

DMISA Title or Cover Page

**DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA)
FOR**

AGENT'S ACCEPTANCE NUMBER _____

(SUPERCEDES NUMBER _____)

DMI STUDY NUMBER (IF APPLICABLE) _____

PRINCIPAL: _____

<u>DATE</u>	<u>SIGNATURE</u>	<u>TITLE/CODE/SYMBOL</u>
_____	_____	_____

CO-PRINCIPAL (IF APPLICABLE): _____

<u>DATE</u>	<u>SIGNATURE</u>	<u>TITLE/CODE/SYMBOL</u>
_____	_____	_____

AGENT: _____

<u>DATE</u>	<u>SIGNATURE</u>	<u>TITLE/CODE/SYMBOL</u>
_____	_____	_____

DEFENSE DISTRIBUTION DEPOT (DDD) (IF APPLICABLE): _____

<u>DATE</u>	<u>SIGNATURE</u>	<u>TITLE/CODE/SYMBOL</u>
_____	_____	_____

DEPOT MAINTENANCE WILL BE PERFORMED AT (ACTIVITY, LOCATION, DODAAC):

ORGANIC DoD _____

COMMERCIAL/OTHER US GOVERNMENT _____

Figure 7-2

b. The Table of Contents lists all areas covered by the standard format, whether or not they apply to a given DMISA. The Joint Depot Maintenance Regulation illustrates a standard DMISA table of contents. The system will provide the user a means to display current or historical DMISA Table of Contents data, as well as negotiate new or existing DMISA data. The user may also identify a deviation to the DMISA boilerplate by entering an “X” in the Deviation column of the table of contents.

c. The Deviation Page contains a list of all negotiated deviations from the basic DMISA format, indicating the affected page and paragraph of the DMISA and the authority for the deviation. This helps the reviewers to determine the areas of the agreement that are not standard. Figure 7-3 below provides the Deviation Page format.

DEVIATIONS FROM JOINT SERVICE FORMAT DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA)			
AGENT’S ACCEPTANCE NUMBER _____			
<u>DEVIATION NUMBER</u>	<u>AFFECTED PAGE AND PARAGRAPH</u>	<u>AUTHORITY</u>	<u>EFFECTIVE DATE</u>

Figure 7-3

d. The Periodic Review certification sheet contains a record of the DMISA changes negotiated at each review (one review sheet for each review). The Principal MISO and the Agent MISO or MICO sign the page to certify their formal agreement to the changes identified thereon. As with the basic DMISA document, the Agent is responsible for distributing this sheet to activities located on the distribution list. Figure 7-4 provides the Periodic Review Page format.

e. The Change to Page contains a record of changes to the DMISA resulting from periodic reviews. It identifies the affected page, the actual change, its authority and effective date. Changes to annually updated exhibits do not constitute a change to the DMISA and are not noted on this page. Figure 7-5 provides the Change to Page format.

f. The Distribution List contains the complete addresses of all activities and commands requiring copies of the basic DMISA and any follow-on resulting from periodic reviews. Figure 7-6 provides the format for the Distribution List Page.

PERIODIC REVIEW

DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA)

AGENT'S ACCEPTANCE NUMBER _____

THIS IS TO CERTIFY THAT THIS DMISA HAS BEEN REVIEWED BY THE PRINCIPAL, CO-PRINCIPAL (IF APPLICABLE) AND THE AGENT, AND THE FOLLOWING ADDITIONS, DELETIONS, AND/OR CHANGES HAVE BEEN AGREED TO:

_____ ADD/DELETE ADDRESSES AND CODES
ON PAGES: _____

_____ CHANGES IN OFFICE SYMBOL
ON PAGES: _____

_____ CHANGE IN EXHIBITS
EXHIBIT NUMBERS: _____

_____ ADDITIONAL SPECIFICATIONS
ON PAGES: _____

_____ NO CHANGES

_____ AMENDMENT REQUIRED

SIGNED:

PRINCIPAL MISO: _____ DATE _____

(PRINTED NAME/OFFICE SYMBOL)

CO-PRINCIPAL: _____ DATE _____
(IF APPLICABLE) _____
(PRINTED NAME/OFFICE SYMBOL)

AGENT MISO/MICO: _____ DATE _____
(IF APPLICABLE) _____
(PRINTED NAME/OFFICE SYMBOL)

DDD: _____ DATE _____
(IF APPLICABLE) _____
(PRINTED NAME/OFFICE SYMBOL)

FIGURE 7-4

CHANGE

TO

DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA)

AGENT'S ACCEPTANCE NUMBER _____

<u>PAGE NUMBER</u>	<u>CHANGE</u>	<u>AUTHORITY</u>	<u>EFFECTIVE DATE</u>
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Figure 7-5

DISTRIBUTION LIST

DEPOT MAINTENANCE INTERSERVICE SUPPORT AGREEMENT (DMISA)

AGENT'S ACCEPTANCE NUMBER _____

<u>ORGANIZATION/CODE/SYMBOL</u>	<u>ADDRESS</u>	<u>COPIES</u>
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PRINCIPAL:

AGENT:

OTHER:

Figure 7-6

g. Section I, “Terms of Agreement” follows the Title Page, Table of Contents, Deviation, Periodic Review, Change to and Distribution List Pages and is the second major portion of the DMISA. It addresses the specific support conditions agreed to by the Principal and Agent and includes the following: the purpose, the authority, effective dates, termination, periodic reviews, Coordination Representatives and Responsibilities (Agent and Principal), Liaison Representatives, contacts with the Agent’s repair facility, Contract Administration, and various specific support provisions of the DMISA.

h. Section II, “Material Support” is the third major portion of the DMISA and addresses the specific procedures for material support. Following standard DMISA boilerplate format, it lists the various elements necessary to ensure that efficient and executable material support procedures are formalized in agreements. Specifically it covers: shipment of material from the Principal to the Agent, return of that material from the Agent to the Principal, and DMISA sections that deal with production support, emergency repair, item accountability, depot material support, use of support equipment, changes in material sources, disposition of termination assets, recovery of critical alloys or precious metals and the use of exhibits.

i. The “Use of Exhibits” page contains a list of all exhibits that could apply to the DMISA. For each DMISA, the exhibits that apply must be determined by the Principal MISO, the “Use of Exhibits” page must be marked accordingly and the exhibits must be marked according to the “Use of Exhibits” page.

7.6 DMISA Exhibits

The following DMISA Exhibits are incorporated in IMACS:

Exhibit I (Schedule and Costs - Major Programs) - Used to schedule repair of major end items such as aircraft engines. The program/stock/part number and negotiated fiscal year schedule entries are made by the Principal. The flow time, man-hours, material cost, and repair cost entries are made by the Agent. A DLA cost column is included to cover Defense Distribution Depot (DDD) support costs negotiated as part of the DIMISA that will be billed to the Agent and that the Agent will bill to the Principal.

Exhibit II (Schedule and Costs - Minor Programs) - Used in field-generated programs such as repair of components (e.g., repairables managed by the ICP). Exhibit II is subdivided into separate “TABs” for each organic depot, commercial repair source, or individual equipment manager. The program/stock/part number and negotiated fiscal year schedule entries are made by the Principal. The flow time, man-hours, material cost, and repair cost entries are made by the Agent. A DLA cost column is included to cover DDD support costs negotiated as part of the DIMISA that will be billed to the Agent and that the Agent will bill to the Principal.

Exhibit IIIA (Projected Requirements – Major Programs) All data is entered by the Principal and relates directly to the data entered in Exhibit I for major programs. The Principal identifies up to five out-years of support.

Exhibit IIIB (Projected Requirements – Minor Programs) - All data is entered by the Principal and relates directly to the data entered in Exhibit II for minor programs. Normally only two out-years of requirements are identified, and are broken down by quarter.

Exhibit IIIC (Projected Requirements – Pending Capability) - Both the Principal and the Agent can enter or change individual line items on the Exhibit.

Exhibit IV (National Emergency Requirements) - The Principal projects, by month for a 12 month period, requirements necessary to support the Principal's Mobilization Plan. These requirements are in addition to those listed in Exhibits I and II, and are to be produced in the event of a national emergency. These projections are updated annually, and assure the Agent's commitment to support the Principal's national emergency-related requirements. If no requirement is documented, a statement to that effect will be made a part of the exhibit.

Exhibit V (Special Engineering Support) - Data provided by the Principal to the Agent when the support required is over and above that required for the general surveillance of the repair process and support is not provided for elsewhere in the DMISA. All support requirements will include estimated quantities of man-years required from the Agent.

Exhibit VI (Bill of Material/Material Requirements) - Identifies, by usage rate, stock number or part number and Commercial and Government Entity (CAGE) number, the materials the Agent needs to accomplish the work. It is completed by the Principal, with modifications by the Agent.

Exhibit VIIA (Statement of Work) - Includes the work specification mutually agreed upon by the Principal and the Agent.

Exhibit VIIB (Technical Data and Line Item Cross Reference) - Cross-references the technical data used to repair each line item. The Principal provides these technical directives to the Agent.

Exhibit VIIC (Quality Assurance Requirements) - The Principal reviews quality assurance provisions in the Agent's work specification, and invokes any additional requirements.

Exhibit VIII (Product Oriented Survey Parameters) – For organic or contractual work, the Agent or Principal may require negotiated special examinations of the quality system by a team of quality assurance personnel. The survey format is agreed upon by the Principal and the Agent, under Federal Acquisition Regulation (FAR) provisions.

Exhibit IX (Joint Operating Procedure for Configuration Management) – When configuration management across Service lines applies, an agreement will be negotiated by the Principal and Agent and documented in this exhibit.

Exhibit X - A (List of Reports) – Documents the required reports, other than the Monthly Production Report, that will be provided by the Agent to the Principal. Examples include reports on items missing on induction and quality deficiency items.

Exhibit X - B (Monthly Production Report) – A mandatory report that the Agent will submit to the Principal within 10 calendar days of the end of each month. Its categories of information include: negotiated requirements for the FY, quantities received, quantity shipped serviceable, quantity shipped unserviceable, quantity shipped other conditions, quantity condemned, quantity completed, quantities in condition codes A, F, G and other, quantity in-transit from storage to repair, quantity AWP, quantity AWM, quantity in OWO status, quantity in-transit from repair to storage and comments.

Exhibit XI (Safety) - Attests to safety practices and includes any special provisions that are agreed upon and invoked.

Exhibit XII (Special Markings) - Used when the Principal needs to specify requirements for special markings the Agent is to use before returning completed items to the Principal.

Exhibit XIII (Special Shipping Instructions) - Provides special shipping instructions to be used by the Principal to ship repairable material to the Agent and by the Agent for returning serviceable material to the Principal. The user may also enter special shipping instructions for the Principal or Agent.

Exhibit XIV (Special Preservation, Packaging and/or Packing Instructions) - Sets forth any special instructions in this area.

Exhibit XVA (Rotatable Pool Requirements) - Lists repairable stock that the Principal will loan to the Agent.

Exhibit XVB (Modification Kits) - Lists any modification kits that are normally required. They are usually provided by the Principal, but may be modified by special instructions in this Exhibit.

Exhibit XVC (Other Material Support Procedures) - Used by the Principal/Agent to enter or change unique Material Support Procedures.

Exhibit XVI (Tools and Equipment) - Lists necessary production tools and equipment that the Principal will loan to the Agent.

Exhibit XVII (Other (Non-Engineering) Support) - Prepared by the Principal to specify non-engineering support over and above the specific provisions of the agreement (such as field teams, study groups, training, etc.) to be provided by the Agent to the Principal.

7.7 Asset Tracking

Interservicing policy states that the Agent must account for all items received and for the return of specific stock numbered items, including those items with identity changes due to modification. Asset tracking is accomplished through the following methods:

- Transaction Item Reporting.
- MILSTRIP/MILSTRAP Transaction Detail.
- Transaction Shipment and Receipt Tracking.
- Status Alert Messages via Electronic Mail.
- Transaction History (on-line for life of the DMISA plus 24 months).
- Archived (off-line) Transaction History.
- Mismatch Information -
 - (1) "No DMISA" Mismatches.
 - (2) Ownership Code Mismatches.
- Zero Requirement with a Balance Mismatch.

7.8 IMACS Maintenance Production Status Visibility

IMACS can display the fiscal year, month or quarter when an asset is inducted into maintenance. Initial asset induction is reported as well as various status codes while the asset is held. Other maintenance production status reports available on-line include:

a. Total Monthly Production Status - Provides a means to display current or prior production data by month and quarter for the indicated DMISA, exhibit, TAB, fiscal year and line item. The Agent and the Principal have the ability to view quantities that are in the process of being inducted, produced, on work order, awaiting parts, awaiting maintenance, condemned or non-serviceable.

b. Production With Respect to Funded DMISA Requirement - Relates maintenance production data to the DMISA requirement that generated it, tracking the maintenance induction date and the interservice carry over from fiscal year to fiscal year. Depots without automated systems capable of providing induction dates must enter maintenance production data manually. They will use a First-In-First-Out (FIFO) strategy to provide tracking visibility.

c. Product Status Information by NIIN - Provides a means to display, in window format, the production data for the indicated NIIN by DMISA, exhibit, TAB, and fiscal year showing the line item number, NSN (COG, FSC, NIIN) funding document number, stock list price, program control number, job order/production number, shop designator, production management specialist code, Principal, Agent, production by quarter, total production for the fiscal year, unit repair cost, and total repair cost.

7.9 Point-of-Contact Information

IMACS provides a means to display point of contact names and address data, as well as entering new or updated data. The Principal or Agent MISO have the ability to enter the IMACS user ID, name and address relating to the following functions:

- a. Principal: MISMO, MISO(s), Program Manager, Item Manager, and Equipment Specialist.
- b. Agent: MISMO, MISO(s), Program Manager, Clerk, Workloader, Planner, Scheduler, and Supply Manager.

7.10 Automatic Data Processing Equipment (ADPE) Environment

a. In IMACS, individual transactions are processed independently as they occur. Changes to a particular transaction type can be implemented by modifying only that part of the system, without affecting unrelated transactions. Entirely new transactions also can be added without affecting unrelated transactions. The IMACS architecture is open-ended, providing for growth without impacting the system configuration existing at any given time. IMACS is designed to accommodate a normal peacetime growth of 5-10 percent over 5 years, and is capable of a 50 percent wartime surge.

b. The “minimum required” configuration listed below will support IMACS; however, many functions will not perform optimally. The “recommended” configuration provides increased speed and improved performance when running IMACS. A CD ROM drive is needed at each site for installation of changes to software. Hardware needed to run IMACS is the responsibility of the Service organization.

(1) To ensure proper system operation, the IMACS development team has tested and established the following hardware requirements:

Client Hardware Configuration

<u>Component</u>	<u>Minimum</u>	<u>Recommended</u>
Processor	Pentium 133	Pentium II,350 or higher
RAM	64MB	128 MB or higher
Hard Disk	2 GB Free Space	4GB Free Space or higher
Monitor	15”SVGA	17” SVGA or larger
Colors	256	256
CD-ROM/DVD	4X CD-ROM or higher	4X CD-ROM or higher or DVD

The standard IMACS workstation for users is a desktop PC with Intel (or Intel compatible) processor and Windows operating system. Remote access is via DISN.