DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

MCO 4790.7 Ch 1
LPC-1
17 Dec 12

MARINE CORPS ORDER 4790.7 Ch 1

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS INTEGRATED MAINTENANCE MANAGEMENT SYSTEM AUTOMATED INFORMATION SYSTEM, HEADQUARTERS MAINTENANCE SUBSYSTEM, HEADQUARTERS USERS MANUAL

Ref: (a) MCO 5215.1K

Encl: (1) MCO 4790.7

1. Situation. The FMSS induction responsibilities require that accurate standards information exist in the HMSS files to ensure fidelity in the reporting of equipment. Specifically the identification standards files require constant monitoring and update to display information on field maintenance production reports and higher headquarters readiness reporting databases..

2. Mission. To provide administrative update to the Marine Corps Order 4790.7.

3. Execution.

a. Change sponsor to reflect LPC-1.

4. Administration and Logistics

a. Distribution Statement. Directives issued by the CMC are published electronically and can be accessed online via the Marine Corps Publications Electronic Library at: http://www.marines.mil.

b. Access to an online medium will suffice for directives that can be obtained from the Internet, CD-ROM, or other sources. For purposes of inspection, electronic files will suffice and need not be printed. For commands without access to the Internet, hard copy, and CD-ROM versions of Marine Corps

directives can be obtained through Marine Corps Publications Distribution System (MCPDS).

c. Recommendations concerning the contents of this Order are invited. Such recommendations will be forwarded to the Commandant of the Marine Corps (CMC) Logistics Policy (LP) via the appropriate chain of command.

5. Command and Signal

a. Command. This Order is applicable to the Marine Corps Total Force.

b. Signal. This Order is effective the date signed.

M. G. DANA
Director Logistics Plans,
Policies and Strategic Mobility
Division

DISTRIBUTION: PCN 10206545601

DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380

MCO 4790.7
LPS-4-hnl
18 Aug 1977

MARINE CORPS ORDER 4790.7

From: Commandant of the Marine Corps
To: Distribution List

Subj: Marine Corps Integrated Maintenance Management System Automated Information System, Headquarters Maintenance Subsystem, Headquarters Users Manual

Ref: (a) MCO 4790.1A

Encl: (1) (SC) USMC Document No. 4790 UM-02, Programming Documentation Standards and Specifications, Marine Corps Integrated Maintenance Management System Automated Information System, Headquarters Maintenance Subsystem

1. Purpose. To transmit the detailed procedures and instructions pertaining to the Marine Corps Integrated Maintenance Management System Automated Information System, Headquarters Maintenance Subsystem (MIMMS AIS/HMSS) (enclosure (1)).

2. Information. Reference (a) promulgated general policy, guidance, and information pertaining to MIMMS. Enclosure (1) contains the specific procedures and instructions pertaining to the MIMMS AIS/HMSS operation.

3. Action. Addressees shall ensure compliance with the contents of this Order and reference (a).

4. Recommendations. Recommendations for changes to the MIMMS AIS/HMSS and the Headquarters Users Manual are invited and should be submitted to the Commanding General (Code 730), Marine Corps Logistics Support Base, Atlantic, Albany, Georgia 31703, via the appropriate chain of command, with copies to the Commandant of the Marine Corps (Codes LMM and LPS).

5. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

H. A. Hatch
H. A. HATCH
Deputy Chief of Staff
for Installations and Logistics

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PROGRAMMING DOCUMENTATION
STANDARDS AND SPECIFICATIONS

MARINE CORPS INTEGRATED MAINTENANCE MANAGEMENT SYSTEM
AUTOMATED INFORMATION SYSTEM
HEADQUARTERS MAINTENANCE SUBSYSTEM
(MIMMS AIS/HMSS)

USMC DOCUMENT NO.
4790 UM-02

USERS MANUAL
(HQMC)

UNITED STATES MARINE CORPS

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HEADQUARTERS
UNITED STATES MARINE CORPS

PROGRAMMING DOCUMENTATION
STANDARDS AND SPECIFICATIONS

MARINE CORPS INTEGRATED MAINTENANCE MANAGEMENT SYSTEM
AUTOMATED INFORMATION SYSTEM
HEADQUARTERS MAINTENANCE SUBSYSTEM
(MIMMS AIS/HMSS)

USERS MANUAL
(HQMC)

18 AUGUST 1977

USMC DOCUMENT NO.
4790
UM-02

PREPARED FOR
HEADQUARTERS MARINE CORPS

PREPARED BY
COMMANDANT OF THE MARINE CORPS (LPS-4)

ABSTRACT

The Marine Corps Integrated Maintenance Management System Automated Information System (MIMMS AIS) is a maintenance management information system which is designed to support commanders and logistics managers at all command levels in the execution of ground equipment maintenance management functions.

The MIMMS AIS Headquarters Maintenance Subsystem (MIMMS AIS/ HMSS) is designed to support logistics managers at Headquarters Marine Corps and the Marine Corps Logistics Support Base, Atlantic (MCLSBLant). The support is provided by requiring commodity and principal end item (PEI) managers to specify maintenance and system standards and to maintain a data base of selected maintenance information. This data base, extracted from the Field Maintenance Subsystem (MIMMS/AIS/FMSS), will permit the user to perform selective maintenance engineering analysis, logistics readiness evaluation, and maintenance management for specified functions required to be performed by the HMSS user. The system will accept input data via punched cards, magnetic tape, remote job entry (RJE) device, or source data automation (SDA) device. Output information required to maintain the system standards data is produced on a scheduled basis; all other output information will be obtained by means of an information retrieval system which is external to the HMSS, such as MARK IV. MIMMS AIS/HMSS data base files are defined for MARK IV usage.

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LIST OF FIGURES

RECORD OF CHANGES			
CHANGE NUMBER	DATA OF CHANGE	DATE ENTERED	BY WHOM ENTERED

SECTION 1. GENERAL DESCRIPTION

1.1 Purpose of the Users Manual. The objective of the Users Manual for the MIMMS AIS/HMSS is to provide nonautomated data processing (ADP) personnel at Headquarters Marine Corps and the MCLSBLant with the necessary information to effectively use the HMSS.

1.2 Users Manual Organization This Users Manual is structured in accordance with SECNAVINST 5233.1A and DoD 4120.17-M. Appendixes A through S of the Users Manual have been included to provide further amplification of system inputs, master files, data elements, and output reports to the system users.

1.3 Project References. Project references applicable to the history and development of the system are listed below. None of these references carry a security classification. The MIMMS AIS project sponsor is the Commandant of the Marine Corps (Code LM). The HMSS users are the commodity managers and PEI managers of ground equipment in the Marine Corps inventory. The HMSS will operate at the MCLSBLant.

a. Project request is Project Order No. PO-O-T551.

b. The Total Revision and Upgrading of Maintenance Procedure (TRUMP) Phase I Report (Volumes I and II); Autonetics Division, North American Rockwell Company; 19 July 1968.

c. The Total Revision and Upgradint of Maintenance procedures (TRUMP) Phase II Report (Volumes I, II, and III); North American Rockwell Information Systems Company; 31 January 1970.

d. MIMMS System Design Specifications; General Services Administration - Region 3; undated (1971 was year of completion).

e. MIMMS System Design Specification (Revised); General Services Administration - Region 3; undated (1973 was year of completion).

f. DoD 4120.17-M, Department of Defense Automated Data Systems Documentation Standards Manual.

g. MCO 3000.12, Marine Corps Automated Readiness Evaluation System, Logistics, User Procedures (MIMMS/MARES Log).

h. MCO 4790.5, Marine Corps Integrated Maintenance Management System Automated Information System, Field Maintenance Subsystem, Field Users Procedures.

SECTION 2. SYSTEM SUMMARY

2.1 System Application. The MIMMS AIS/HMSS supports its users by providing a data base of standards information and selected maintenance information. The data base contains equipment (item designator (ID)) standards, modification (modification instruction (MI)) standards, and edit (ED) standards. The standards data base will be used primarily to validate user input in the MIMMS AIS/FMSS. The selected maintenance information consists of maintenance engineering, logistics readiness, modification control, and document status data. This selected maintenance information is required for effective maintenance management within the Marine Corps. The capabilities of MIMMS AIS/FMSS are:

a. Establishment of a ground equipment maintenance management information system.

b. Automatic gathering, at the field maintenance subsystem (FMSS) level, of relevant maintenance management information and automatic data base updating and maintaining at the HMSS level.

c. Provides centralized control of standards data applicable throughout the Marine Corps ground equipment inventory.

d. Flexibility in controlling the type of maintenance management information to be gathered by the FMSS.

e. Flexibility in extracting and formatting meaningful maintenance management information from the HMSS data base.

f. Standardization of maintenance management functions performed throughout the Marine Corps.

g. Continuous availability of detailed maintenance engineering data at the Headquarters Marine Corps level.

2.2 System Operation. The functional manager for all logistics information systems is the Commandant of the Marine Corps (Code L). The system sponsor for the HMSS is the Commanding General, Marine Corps Logistics Support Base, Atlantic. The responsibilities of each of these managers are established in the current editions of MCO P5200.15 and MCO 5230.8.

2.2.1 User Input. The MIMMS AIS/HMSS users will normally be commodity managers at Headquarters Marine Corps and PEI managers at the MCLSBLant. Each system users is responsible for maintaining the system standards data for equipment types under his/her purview. System standards data is updated with the use of the following transactions;

a. ID standards data transaction

b. MI standards data transaction

c. ED standards data transaction

d. Unit data (UD) transaction

e. Table of authorized materiel (TAM) data (TD) transaction

The formats for these transactions are illustrated in Appendix A. More detailed descriptions of the transactions are provided in paragraph 2.7 of this Manual.

2.2.2 Input From Other Systems. Certain data elements of the system standards data are updated by an automated interface with logistics information systems resident at the MCLSBLant. These are accomplished quarterly.

2.2.3 Input From MIMMS AIS/FMSS. Extracts from the MIMMS AIS/FMSS are made by each force automated service center (FASC) on a scheduled basis and sent to the MCLSBLant to update MIMMS AIS/HMSS files. These extracts contain maintenance engineering, modification control, document status, and logistics readiness information.

2.2.4 HMSS Procedures. The HMSS data base procedures consist of editing and validating input transactions, validating FMSS input for completeness, updating HMSS files, maintaining HMSS maintaining HMSS files, extracting output information from the HMSS files, and producing output information for the HMSS

user and the FMSS. Execution of HMSS procedures occurs at various times; i.e., input transactions are edited and validated as requested by the functional manager, equipment standards data are updated on a semiannual basis, modification control and edit standards data update system files on an as-required basis, while logistics readiness data is updated on a weekly basis.

2.2.5 HMSS Data Base. The HMSS data base consists of the HMSS files described in Appendixes D through O.

2.2.6 HMSS User Output. The output reports which the HMSS user receives from the system are divided into two categories: system reports and as-requested output. Sample output reports are shown in Appendix B and explained in paragraph 2.7. Section 4 contains some sample as-requested output which could be extracted from the system, using the MARK IV information retrieval function.

2.2.7 Output for FMSS ASC. When the HMSS procedures update the ID standards, MI standards, or ED standards files, the FMSS's must have their respective standards files updated. To accomplish this, the HMSS produces a quarterly standards tape, one for each FMSS ASC, which will contain the complete, updated standards files and replace the respective existing files in the FMSS. The tapes are mailed from the HMSS CDPA.

2.3 System Configuration. The MIMMS AIS/HMSS programs are designed to operate using an IBM S360 computer. The basic IBM S360 hardware configuration required to support the HMSS consists of the following:

a. Central processing unit

b. Three tape devices

c. Two work disks

d. Two storage disks

e. One printer

f. One card reader

g. Several SDA devices (optional)

h. Several RJE devices (optional)

i. One computer output microfilm (COM) device

j. One Xerox 1200 device (optional)

System configuration with the preceding hardware will allow entry of input data by SDA and RJE devices, output of reports via RJE device, and production of voluminous output reports on microfilm instead of printed reports.

2.4 System Organization. The HMSS is organized into the following five subsystems: Processing of System Standards Data, Processing of Output Information Request, Processing of FMSS Maintenance Engineering Data, Processing of FMSS Report Data, and Processing of FMSS Logistics Readiness Data. Figure 2-01 is an illustration of the system organization as established in the following five subsystems:

a. Processing of System Standards Data involves accepting input standards transactions from a card reader or an RJE device, editing the input field format, and validating field content for acceptable values. Invalid transactions will be rejected, with a narrative explanation of the reason for rejection. Valid transactions will update the HMSS standards data files. The final step in this process is the automatic production of the HMSS edit listing. Quarterly, the HMSS makes a copy of the file for transmittal to each FMSS ASC.

b. Processing of an Output Information Request involves using an information retrieval system, such as MARK IV. The request must identify the information desired, the means of extracting it from the HMSS data base, and the method of production. This method of extracting maintenance management information allows for the greatest flexibility in supporting the HMSS user.

c. Processing of FMSS Maintenance Engineering Data involves accepting a magnetic tape from each FMSS ASC; validating the tapes to assure that each FMSS ASC's data is present; and, when the data for all FMSS ASC's is present, updating the resident HMSS maintenance engineering data base. The HMSS maintenance production data and detail life-cycle costing data. This is the data base which will support the HMSS user in his/her maintenance engineering analysis function.

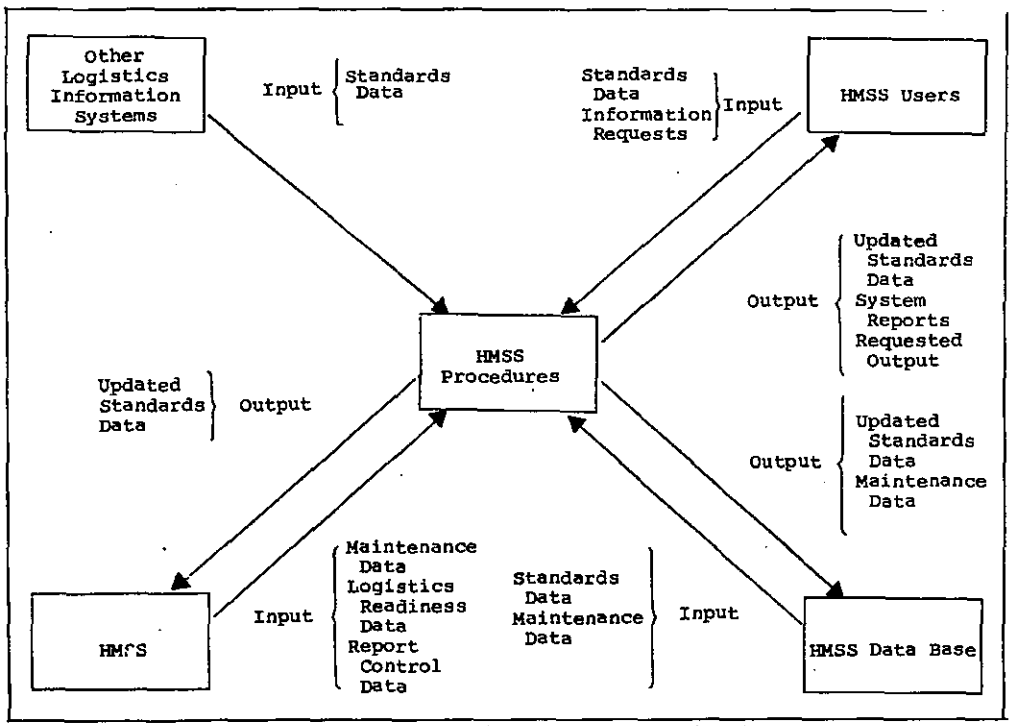


FIGURE 2-01. MIMMS AIS/HMSS System Organization

d. Processing of the FMSS Report Control Data involves accepting FMSS data for the modification status, maintenance manpower utilization, and secondary reparable summary reports; validating the completeness of data transmitted; and updating of the respective report file.

e. Processing of the FMSS Logistics Readiness Data involves accepting a magnetic tape or cards from the FMSS ASC's, validating the tape and/or card formats, and updating the HMSS logistics readiness data base.

2.5 Performance.

a. The primary HMSS input function performed by the HMSS user is to maintain the MIMMS data base by specifying what equipment type and the scope of the maintenance engineering data to be gathered by the FMSS. The HMSS has the following five input transactions, illustrated in Appendix A, which maintain the MIMMS data base:

(1) ID standards data transaction

(2) MI standards data transaction

(3) Edit standards data transaction

(4) Unit data transaction

(5) TAM data transaction

b. The volume and rate of submission of input transactions depend on the frequency with which the HMSS user requires different maintenance engineering data, the frequency with which modifications must be made to equipments in the MIMMS AIS inventory, and the frequency with which edit standards and logistics readiness standards change.

c. Data received from the FMSS and input to the HMSS is entered via AUTODIN card or magnetic tape from each FMSS ASC. These tapes/cards will be sent once every week for logistics readiness data and once every quarter for all other data.

d. HMSS output information is produced on an automatic and as-requested basis. On an automatic basis, the HMSS user will receive the edit listing. The automatic and as-requested output are shown in Appendix B. Job identification numbers are listed in Appendix R.

e. As-requested output information can be provided at any time. However, for as-requested output, the HMSS user must specify the data to be extracted and the format for production. There is no limit, at this time, on the number of requests which may be submitted. Only HMSS users authorized by the Commandant of the Marine Corps (Code LMM) or the Commanding General (Code 730), MCLSBLant, to extract information from the HMSS data base can submit report requests. The requester is limited to the data elements in the data base and must ensure that he/she understands the significance and relationship of the information contained in the data base. As a reference, the user should consult the data base element descriptions in Appendix C and the file definitions in Appendix P.

2.6 Data Base. The files of the HMSS located at the CDPA, MCLSBLant, are the data base for the system. The data base consists of the following files with a brief description for each file. The contents of each file are shown in Appendixes D through O.

a. The ID standards file identifies to the MIMMS AIS equipment types to be managed by the system; and it also specifies, for an ID, what type of maintenance engineering data will be gathered in the FMSS.

b. The MI standards file identifies to the system those modifications which are applicable to the equipment types listed on the ID standards file. A record on this file will also indicate any limiting factors (by serial number) on the applicability of the MI.

c. The edit standards file consists of a number of tables which contain defect codes, job status codes, and job identification codes. These codes are used in validating input transactions for proper data entries and during

output report production. This file cannot be accessed by the HMSS user except to produce the edit standards data file report.

d. The master equipment file will contain, for an ID number and serial number, life-cycle costing (excluding depot maintenance costs) data which can be extracted by HMSS users.

e. The history file contains maintenance production data associated with the repair of an equipment type, by serial number, listed on the ID file. This is the primary file used in extracting maintenance engineering analysis information from the HMSS data base.

f. The unit data file identifies logistics readiness reportable units to the HMSS.

g. The TAM data file identifies equipment types, by TAM number, which are reportable for logistics readiness and which are listed in the current Marine Corps bulletin in the 3000 series. The unit data and TAM data files will be deleted from the HMSS when the logistics readiness evaluation function is fully incorporated into the MIMMS AIS.

h. The logistics readiness file consists of detail readiness data for equipments which are readiness reportable.

i. The modification status report file contains a formatted report of major command application data of an MI in the MIMMS AIS. The report supports the modification control program.

j. The maintenance manpower utilization report and secondary reparable expense summary report files support similar HMSS user functions for the areas described in the file names. The report files can only be used for production of the preformatted reports which they respectively support.

k. The MIMMS document status file is an extract of the active ERO file in the FMSS and contains demand requisitioning information from all open equipment

repair orders (ERO's) assigned Category Code M, D, F, O, or H. For each TAM control number (TAMCN), ID number, (TAMCN), ID number, and serial number, the document number, national stock number (NSN), quantity, priority, status, and status date are presented.

1. The historical maintenance engineering file, at this time a future system enhancement, will contain extracted maintenance engineering data for equipment types, by ID number, which were deleted from MIMMS AIS management. This file is used to support historical maintenance engineering information requests.

2.7 General Description of Inputs, Processing, and Outputs. The MIMMS AIS/HMSS consists of input transactions, magnetic tape input functions, a data base update function, magnetic tape output functions, and output reports. A detailed description of the input transaction is provided in this Section and illustrated in Appendix A. A detailed description of the system output is provided in this Section and illustrated in Appendix B.

2.7.1 Input Transactions.

a. ID Standards Data Transaction. The purpose of the ID standards data transaction is to identify to the MIMMS AIS an equipment type and its associated standards data to the system, to record any subsequent changes to such standards data, or to delete the identity from system files. This transaction should be submitted and successfully processed before a related MI standards data transaction is submitted to the system. The ID standards data transaction consists of six input card types with Transaction Codes 01 through 06. Appendix A, pages A-2 through A-9, contains sample ID standards data transactions for the transactions explained in the following paragraphs.

(1) "01" Transaction Type. The "01" input transaction card type is used to establish an active ID record on the MIMMS AIS ID standards file. This transaction type specifies which equipment type, by ID number, is to be managed for maintenance engineering analysis, modification control, and readiness reporting.

(2) "02" Transaction Type. The "02" input transaction card type is used to enter standards data into

the ID standards file and may be submitted subsequent to or concurrent with a "01" transaction type for the same equipment type.

(3) "03" Transaction Type. The "03" transaction card type is used to delete an active ID record from the MIMMS AIS ID standards file.

(4) "04" Transaction Type. The "04" transaction card type is used to change the standards data field entries on the ID standards file for the equipment type identified by the ID.

(5) "05" Transaction Type. The "05" transaction card type has the same function as the "04" transaction type, except that different standards data fields are affected.

(6) "06" Transaction Type. The "06" transaction card type is used to blank out certain data fields on a specific ID on the ID standards file.

(7) Origin. The ID standards data transactions are prepared by staff personnel at Headquarters Marine Corps (Code LMM). The transactions are prepared based on the ID standards data memorandum shown in Figure 2-02. This memorandum is prepared by acquisition project officers (APO's)/commodity managers at Headquarters Marine Corps at the time the advanced logistics order (ALO) is issued or 6 months prior to fielding the equipment. Changes or deletions will normally be submitted to correspond to the semiannual review of standards data. Additional instructions for preparing the memorandum in Figure 2-02 are contained in Figure 2-03 of this Manual and the MIMMS Headquarters Marine Corps Procedures Manual (MCO P4790.4).

b. MI Standards Data Transaction. The purpose of the MI standards data transaction is to identify to the MIMMS AIS those MI's which are applicable to equipment types managed within the MIMMS AIS. The MI transaction consists of four input card types with Transaction Codes 11, 15, 16, and 17. The following subparagraphs will describe each of the input transaction card types. (See Appendix A, pages A-10 through A-13.)

(1) "11" Transaction Type. The "11" input transaction card type is used to establish an addition to the list of applicable MI's within the MIMMS AIS MI standards file.

NAVSO 5216/8 (REV. 11-87)
S/N-0104-004-1762 (REV. 11-87)

4797
DATE:

DEPARTMENT OF THE NAVY

Memorandum

FROM:
TO : Head, Maintenance Production Management Branch

SUBJ: MIMMS AIS ID standards file; change to

1. It is requested that the following (add/change/delete) be made to the subject file:

a. TAMCN__ __ __ __ __ ID No. __ __ __ __

b. Nomenclature:

c. Weapons System Code __ __ Readiness Flag M/X

d. NSN __ __ __ __ __ __ __ __ __ __ ____ __ __

e. Equipment Operating Time Code, Miles, Hours. Rounds, Days

f. Management Function Code__ __

g. Standard Unit Price__ __ __ __ __ __ __ __ __

2. It is desired that maintenance engineer analysis be conducted.

a. All analysis (A), failure analysis (B), repair part analysis (C), or reliability/ maintainability analysis (D). Mod Control Y/N.

b. MTBR__ __ __ __ MTBM__ __ __ __ MMT__ __ __ __

c. MTTR (2)__ __ __ __ MTTR (3) __ __ __ __ MTTR (4) _ __ _

d. MEA Date__ __ __ __ EOTC__ __ __ __
(Life Expectancy)

FIGURE 2-02. Sample MIMMS AIS ID Standards File Change Memorandum (Page 1 of 2)

Subj: MIMMS AIS ID standards file; change to

e. MTB Annual PM __ __ __ __ __ __ _

f. MTB Quarterly PM __ __ __ __ __ __

3. LMP concurrence on Item K _____

Signature

2

Figure 2-02. Sample MIMMS AIS ID Standards File Change Memorandum (Page 2 of 2)

1. The memorandum should be from the APO/commodity manager and be completed at the time the ALO is prepared. If an ALO is not going to be prepared, the form should be submitted at least 90 days prior to fielding the equipment.

2. The appropriate action (add/change/delete) should be entered in paragraph 1. If the action is to delete, the only other action required is to enter the ID number.

a. Enter the TAMCN if assigned. Enter the ID number. For the item to be in MIMMS AIS, an ID number must be assigned.

b. Enter the full nomenclature. In the MIMMS AIS, only the first 14 characters will appear (includes spaces). Therefore, the first 14 characters would include the model number.

c. Enter the weapons system code (WSC) and circle "M" if the item is to be readiness reportable (a Marine Corps bulletin in the 3000 series item). This requires concurrence of the Commandant of the Marine Corps (Code LMP). If not readiness reportable, circle "X."

d. Enter the item NSN.

e. Circle the appropriate operating time code. Care should be taken when selecting a code. Unless a meter exists on the equipment or the requirement already exists to maintain an equipment log, the choice of miles, rounds, or hours will require equipment users to initiate logs. Also, the EOTC should not be selected for a measure unique to a component when this component is changed; e. g., rounds for howitzer which really apply to the barrel.

f. Management functional codes are listed in MCO 3000.12.

g. Enter the standard unit price.

3. Paragraph 2 of the memorandum need only be completed if the item is to be tracked in the MIMMS AIS for modifications and/or maintenance engineering analysis (MEA).

FIGURE 2-03. MIMMS AIS ID Standards File Change Instructions (Page 1 of 2)

a. Circle the letter representing the type of MEA required. Code A will receive all types. Circle "Y" (Yes) or "N" (No) for modification control. If modification control is selected, then one of the MEA codes must be selected.

b. Enter the appropriate times as developed by the integrated logistics support plan (ILSP), contractor, or other service. These figures must be in the same units as equipment operating time code (EOTC).

c. Enter the appropriate maintenance times in hours.

d. Enter data MEA is to begin year and Julian date; enter life expectancy in EOTC units.

e. Enter the maximum time between annual preventive maintenance (PM) in EOTC units.

f. Enter the maximum time between quarterly PM in EOTC units.

4. If the item is to be MIMMS readiness reportable, the assignment of a WSC and flag require the Commandant of the Marine Corps (Code LMP) concurrence.

FIGURE 2-03. MIMMS AIS ID Standards File Change Instructions (Page 2 of 2)

(2) "15" Transaction Type. The "15" input transaction card type is used to limit applicability of an MI to a range of serial numbers for the specified ID number. The card type is also used to make changes and deletions of serial number ranges on the MI standards file.

(3) "16" Transaction Type. The "16" input transaction card type is submitted subsequent to an "11" transaction type submission. The purpose is to make corrections or changes to data previously entered into or omitted from the MI standards file.

(4) "17" Transaction Type. The "17" input transaction card type is used to delete an MI record from the MI standards file. A "17" transaction type submission will delete the specified MI record and all associated trailer records.

(5) Origin. MI standards data transactions are prepared by staff personnel at Headquarters Marine Corps (Code LMM). The transactions are prepared based on the MI standards data memorandum shown in Figure 2-04. This memorandum is prepared by APO's/commodity managers at Headquarters Marine Corps at the time the MI is approved. Additional instructions for preparing the memorandum in Figure 2-04 are contained in Figure 2-05 of this Manual and the MIMMS HQMC Procedures Manual (MCO P4790.4).

c. Edit Standards Data Transaction. The purpose of the edit standards data transaction is to enter into the MIMMS AIS standards data to be used in the FMSS to validate input data. The edit standards data transaction consists of five card types which have Transaction Codes DF1, DF2, JBS, J11, and J12. This transaction will update the edit standards file when the quarterly process cycle is executed. The following subparagraphs describe each of the input transaction card types by explaining the content of the keyed input transaction fields. (See Appendix A, pages A-14 through A-18.)

(1) "DF1" Transaction Type. The "DF1" input transaction card type is used to add to the edit standards file the first character of a defect code.

(2) "DF2" Transaction Type. The "DF2" input transaction card type is used to add to the edit standards file the second and third characters of a defect code.

4797
DATE:

FROM:

TO : Head, Maintenance Production Management Branch

SUBJ: MIMMS AIS MI standards file; change to

1. It is requested that the following (add/change/delete) be made to the subject file:

a. MI number_____

b. ID number__ __ __ __ __ __
__ __ __ __ __ __
__ __ __ __ __ __

c. Standard Time to Modify __ __ __ __ hours.

d. Mod Kit NSN __ __ __ __ __ __ __ __ __ __ __ __

e. WSC __ __

2. The above modification will result in a change in the equipment ID number to __ __ __ __ __ __

3. The above modification is applicable only to certain serial numbers of the fleet.

Ser From_____To_____

Ser From_____To_____

Ser From_____To_____

Signature

FIGURE 2-04. Sample MIMMS AIS MI Standards File Change Memorandum

NAVSO 5216/8 (REV. 11-87)
S/N-0104-004-1762 (REV. 11-87)
DEPARTMENT OF THE NAVY
Memorandum

1. Insert the appropriate transaction type; i.e., add, change, or delete.

a. List the MI number. To be tracked, it must be an MI.

b. Enter ID numbers of equipment types the MI is applicable to. All equipments must be listed.

c. Enter the standard time to modify. Time is in hours down to tenths.

d. Enter the NSN of the modification kit.

e. If assigned, enter the equipment WSC.

2. If the modification will result in the equipment having a new ID number, enter the new ID number.

3. If the modification is only applicable to selected items of the fleet, enter the serial number ranges of those items to be modified.

FIGURE 2-05. MIMMS AIS MI Standards File Change Instructions

(3) "JBS" Transaction Type. The "JBS" input transaction card type is used to add to the edit standards file a job status code.

(4) "JI1" Transaction Type. The "JI1" input transaction card type is used to add to the edit standards file the first character of a job identification code.

(5) Origin. Edit standards data transactions are submitted by the Commanding General (Code 730), MCLSBLant, as part of the system modification process.

d. Unit Data Transaction. The purpose of the unit data transaction is to identify to the system a MIMMS-supported unit which is required to report to the logistics readiness system. In addition to providing the unit identification code (UIC), the transaction also enters into the unit data file the unit's name, major command indicator, Marine Amphibious Force (MAF) code, and type of unit code (TUC). Data from this transaction is used to support the logistics readiness evaluation function at the Headquarters Marine Corps level. This transaction is prepared and submitted at any time by the Commanding General, MCLSBLant. When this transaction is processed, it will update the unit data file. (See Appendix A, page A-19.)

e. TAM Data Transaction. The purpose of the TAM data transaction is to identify to the system those equipment types, by TAM number, which are logistics readiness reportable in accordance with the current Marine Corps bulletin in the 3000 series. In addition to the reportable TAM number, the transaction provides the equipment type nomenclature and management functional code. Data from this transaction is used to support the logistics readiness evaluation function at the Headquarters Marine Corps level. This transaction is prepared and submitted at any time by the Commanding General, MCLSBLant. When this transaction is processed, it will update the TAM data file. (See Appendix A, page A-20.)

f. Magnetic Tape Input Transactions From FMSS. The following files in the HMSS are updated on a weekly or quarterly basis with current data from the FMSS:

(1) Master equipment file (quarterly)

(2) History file (quarterly)

(3) Modification status report file (quarterly)

(4) Logistics readiness file (weekly)

(5) Maintenance manpower utilization report file (quarterly)

(6) Secondary reparable expense summary report file (quarterly)

(7) MIMMS document status file (weekly)

The updating process, with the exception of the logistics readiness file, is actually a total replacement of the affected files. The logistics readiness file is updated by separate transactions. Thus, on a weekly/quarterly basis, the HMSS user has additional data available for the performance of his/her various Headquarters Marine Corps maintenance management functions.

g. Magnetic Tape Input Transactions From Other Logistics Information Systems. The purpose of this transaction is to update on a monthly basis certain elements of the ID and MI standards files from information resident in the logistics information systems located at the MCLSBLant. This input transaction will automatically update specific fields in ID and MI standards files, such as NSN, ID number, standard unit price, etc., by interfacing the standards files with the monthly five-way cross-reference process at the MCLSBLant.

2.7.2 Processing. The inputs described in the preceding paragraphs update the MIMMS AIS/HMSS data base by changing the standards and maintenance data contained in that data base. The standards in the data base validate FMSS transactions and provide a basis for comparison with maintenance data also contained in the data base. The system output, produced as required, weekly, or quarterly, consists of New standards data for use in the FMSS, output reports for HMSS, and file query responses.

2.7.3 Outputs. The MIMMS AIS/HMSS produces output reports, data tapes, and query responses. Samples of the output reports are provided in Appendix B, and file query response instructions are contained in Section 4 of this Manual.

a. Edit Listing. This report is automatically produced whenever an input transaction is submitted for HMSS processing. This report provides the HMSS user with an audit trail of transactions which were submitted and either processed or not processed, including error messages. (See Appendix B, page B-2.)

b. ID Standards Data File Report. This preformatted report will list, in alphanumeric ID sequence, each record on the file. The purpose of the report is to provide visibility to the HMSS user of standards data associated with an equipment type, by ID number, for which the MIMMS AIS must perform some maintenance data gathering function. This report is prepared semiannually (July and January) and distributed to all HMSS users. (See Appendix B, page B-3.)

c. MI Standards Data File Report. This report will list, in alphanumeric ID number and MI number sequence, each record on the MI standards file. Serial number ranges will be listed in the trailer sequence in which they were coded. The purpose of the report is to provide the HMSS user visibility of MI standards data applicable to equipment types managed by the MIMMS AIS. This report is prepared annually (July and January) and distributed to all HMSS users. See Appendix B, page B-4.)

d. Edit Standards Data File Report. This report will list, in alphanumeric sequence and from top to bottom, all defect codes, job status codes, and job identification codes which are resident in the HMSS. The purpose of the report is to provide visibility to the HMSS user of standards data which are used in editing and validating input transaction field entries submitted at the FMSS. This report is prepared semiannually (July and January) and distributed to all HMSS users. (See Appendix B, page B-5.)

e. Modification Status Report. This report is received from the FMSS on a quarterly basis and provides modification application status for major commands supported by the MIMMS AIS. The report will primarily list, for a major command, by unit, ID number, and applicable MI numbers, the number of equipments which initially required the modification and the number of modifications completed. The report is distributed to HMSS users. (See Appendix B, page B-6.)

f. Maintenance Manpower Utilization Report. This report is received from the FMSS on a quarterly basis and provides the HMSS user with the average number of military maintenance man-hours expended within an intermediate maintenance activity in the performance of ground equipment maintenance. Average maintenance man-hours per month figures are related to WSC and/or to a miscellaneous (MISC) category when a WSC is not applicable. (See Appendix B, page B-7.)

g. Secondary Reparable Expense Summary Report. On a quarterly basis, the FMSS sends this report to the HMSS. The purpose of the report is to provide staff personnel at the MCLSBLant with data related to the repair of secondary reparables which are owned by maintenance float activities. For each secondary reparable listed, the report provides comparison data between the past calendar quarter and the past year. The secondary reparable is identified by NSN, category code, and nomenclature. Associated repair data provided are the number inducted, number washed out, number repaired, washout expense, repair expense, maintenance replacement rate, repair rate, repair cycle time, and standard replacement price. (See Appendix B, page B-8.)

h. Equipment Status Exception Listing. This report is provided to the HMSS user on an as-requested basis to provide readiness data. The report is in management function code and TAMCN sequence for all MIMMS readiness reportable items. For each TAMCN, the reported authorized, possessed, not operationally ready maintenance (NORM) deadlined, not operationally ready supply (NORS) deadlined, and transit deadlined quantities are presented. For those items exceeding specified criteria indicated on the report, the rates for the shown quantities are presented as percentages. (See Appendix B, page B-9.)

i. Equipment Status Report. This report is the detailed version of the equipment status exception report, and the same information is presented but for all items of equipment. Additionally, this report further presents the information in equipment owner sequence within TAMCN. (See Appendix B, page B-10.)

j. Unit Data File Report. The purpose of this file is to provide a listing of all MIMMS readiness reportable units. The listing is presented in UIC sequence and identifies the unit, unit type, unit's major command UIC, and its present MAF. The report is produced on an as-requested basis. (See Appendix B, page B-11.)

k. TAM Data File Report. This report is a listing of all MIMMS readiness reportable equipment types by TAMCN, nomenclature, and management functional code. The frequency of this report is as requested. (See Appendix B, page B-12.)

l. Magnetic Tape Output. Quarterly, the MIMMS AIS/HMSS produces magnetic tape output for the FMSS. These tapes are the system standards data which are provided to the FMSS to update system standards.

SECTION 3. STAFF FUNCTIONS RELATED TO TECHNICAL OPERATIONS

3.1 Staff Input Requirements. The MIMMS AIS/HMSS inputs which are prepared by HMSS users are explained in paragraph 2.7.1 and illustrated in Appendix A. Figure 3-01 is a tabular illustration of these inputs, the cause and time of the input, source of the input, and medium to be used.

3.2 Composition Rules. The HMSS input transactions are prepared in accordance with the criteria established for input data acceptance by a computer program written in COBOL, the computer language used for the HMSS. Each input transaction will be edited for acceptable character combinations and length. The five HMSS input transactions affected are the ID standards data, MI standards data, edit standards data, unit data, and TAM data transactions. Composition rules for these transactions are contained in paragraphs 3.3 and 3.4.

3.3 Vocabulary. Appendix C contains the definitions, abbreviations, and, where applicable, the input source of the data elements found in the HMSS. It also provides the user with the acceptable character combination codes as well as the length and explanation of the codes for system processing.

3.4 Input Sample Format. Input formats are illustrated in Appendix A with instructions keyed to each data element provided for each sample input. Figure 3-01 illustrates the input requirements.

3.5 Staff Output Requirements. The MIMMS AIS/HMSS inputs which are provided the HMSS users and the FMSS are explained in paragraph 2.7.3 and illustrated in Appendix B. Figure 3-02 is an illustration of the system outputs, their distribution, frequency, and medium.

3.6 Output Sample Formats. Output formats are illustrated in Appendix B. Each sample output in Appendix B has a description and use paragraph appended.

3.7 Utilization of System Outputs. The HMSS utilization of the system outputs and byproducts can be summarized as providing the HMSS user a means of auditing his/her inputs to the HMSS, maintaining standards data in the HMSS data base and for the entire MIMMS AIS, and supporting the management functions of modification control, maintenance man-hour analysis, and secondary reparable expense analysis. Detailed utilization of the individual reports is contained in Appendix B and Section 4.

Transaction	Reason	Source	Medium	Occurrence	Submitted To
ID Standards Data	a. New equipment b. Change in equipment standards c. Equipment no longer in USMC inventory d. Designation as MIMMS readiness reportable e. Decision to start or stop maintenance engineering analysis f. Decision to track modification status	APO	Memorandum in Figure 2-02	a. When required b. Upon semi-annual review	CMC (Code LMM)
MI Standards Data	a. Approval of new MI b. Change to modification c. Cancellation of MI	APO	Memorandum in Figure 2-04	a. When required b. Upon semi-annual review	CMC (Code LMM)
Edit Standards Data	a. Change to job status codes b. Change to defect codes c. Change to JOD 10 codes	CG (Code 736), MCLSBLant	Punched card	Upon program change	CG, MCLSBLant

FIGURE 3-01. Staff Input Requirements (Page 1 of 3)

Transaction	Reason	Source	Medium	Occurrence	Submitted To
Unit Data Transaction	Change in status of MIMMS readiness reportable unit	CG, MCLSBLant	Punched card	When required	CMC (Code LMM)
TAM Data Transaction	a. Change to MCBul in 3000 series b. Change in status of individual item of equipment MIMMS readiness reporting	CG, MCLSBLant	Punched card	a. When required b. After semi-annual review	CMC (Code LMM)
FMSS Input Transaction a. Logistics readiness file b. MIMMS document file c. MEF d. History file e. Mod status report	Update HMSS files	FASC's	Magnetic tape	Weekly for a and b; quarterly for all others	CG (Code 730), MCLSBLant

FIGURE 3-01. Staff Input Requirements (Page 2 of 3)

Transaction	Reason	Source	Medium	Occurrence	Submitted To
FMSS Input Transaction (con.)					
f. Secondary reparable expense file					
g. Maintenance manpower utilization file					
Other Logistics Information Systems Input	Update FMSS files	CG, MCLSBLant	Magnetic tape	Quarterly	CG, MCLSBLant

FIGURE 3-01. Staff Input Requirements (Page 3 of 3)

Output	Distribution	Frequency	Format	Medium
Edit Listing	To input source	When input submitted	Appendix B, page B-2	Hard copy printout
ID Standards File Report	Commodity managers, HQMC	Semiannually	TAMCN sequence	Microfiche
	PEI managers, MCLSBLant	Semiannually	TAMCN sequence	Microfiche
	Functional manager (CMC (Code LMM))	Semiannually	Appendix B, page B-3, TAMCN sequence	Hard copy printout
	FMF commanders	Semiannually	Appendix B, page B-3 TAMCN sequence	Hard copy printout
MI Standards File Report	Commodity managers, HQMC	Semiannually	Appendix B, page B-4	Microfiche
	PEI managers, MCLSBLant	Semiannually	Appendix B, page B-4	Microfiche
	CMC (Code LMO)	Semiannually	Appendix B, page B-4	Microfiche
	CMC (Code LMM)	Semiannually	Appendix B, page B-4	Microfiche
	FMF commanders	Semiannually	Appendix B, page B-4	Microfiche
Edit Standards File Report	CMC (Code LMM)	Semiannually	Appendix B, page B-5	Microfiche

FIGURE 3-02. Staff Output Requirements (Page 1 of 3)

Output	Distribution	Frequency	Format	Medium
Modification Status Report	Commodity managers, HQMC	Semiannually	Appendix B, Page B-6	Microfiche
	PEI managers, MCLSBLant	Semiannually	Appendix B, page B-6	Microfiche
	CMC (Code LMO)	Semiannually	Appendix B, page B-6	Microfiche
	CMC (Code LMM)	Semiannually	Appendix B, page B-6	Microfiche
	FMF commanders	Semiannually	Appendix B, page B-6	Microfiche
Maintenance Manpower Utilization Report	Commodity Managers, HQMC	Quarterly	Appendix B, page B-7	Microfiche
	CMC (Code LMP)	Quarterly	Appendix B, page B-7	Microfiche
	CMC (Code LMM)	Quarterly	Appendix B, page B-7	Microfiche
	FMF commanders	Quarterly	Appendix B, page B-7	Microfiche
Secondary Reparable Expense Summa y	CG, MCLSBLant	Quarterly	Appendix B, page B-8	Microfiche
Equipment Status Exception Listing	HMSS user	As requested	Appendix B, page B-9	Hard copy printout
Equipment Status Report	HMSS user	As requested	Appendix B, page B-10	Hard copy printout
Unit File Report	HMSS user	As requested	Appendix B, page B-11	Hard copy printout

FIGURE 3-02. Staff Output Requirements (Page 2 of 3)

Output	Distribution	Frequency	Format	Medium
TAM Data File	HMSS user	As requested	Appendix B, page B-12	Hard copy printout
FASC Standards Output	FASC's	Quarterly	Appendix B, page B-12	Magnetic tape

FIGURE 3-02. Staff Output Requirements (Page 3 of 3)

SECTION 4. FILE QUERY PROCEDURES

4.1 System Query Capabilities. The MIMMS AIS/HMSS does not have a preprogrammed query capability. The system was designed to provide a data base from which HMSS user at Headquarters Marine Corps and the MCLSBLant could extract maintenance and management data as desired. Definitions of MIMMS AIS data elements are provided in Appendix C.

4.2 Data Base Format.

a. The data base portion which can be queried by an external information retrieval system is contained in the following files. The data elements contained in these files are listed in the appendix after the file cited.

(1) ID standards file (Appendix D)

(2) MI standards file (Appendix E)

(3) Master equipment file (MEF) (Appendix Q)

(4) History (HI) file (Appendix H)

(5) Unit data file (Appendix I)

(6) TAM data file (Appendix J)

(7) Logistics readiness file (Appendix K)

(8) MIMMS document status file (Appendix S)

(9) Historical maintenance (HM) engineering file (future enhancement) (Appendix O)

b. The data base portion which cannot be queried by an external information retrieval system is contained in the following files. These files are used to prepare recurring or as-requested formatted output reports. The data elements contained in these files are listed in the appendix cited after the file.

(1) Edit standards file (Appendix F)

(2) Modification status report file (Appendix L)

(3) Maintenance manpower utilization report file (Appendix M)

(4) Secondary reparable expense summary report file (Appendix N)

c. Appendix P contains a glossary of HMSS file definitions. This glossary is for use in the MARK IV information retrieval system.

d. Appendix Q contains a listing of the job identification, defect, and job status codes contained in the edit standards files. While this file is not defined for information retrieval requests, the codes do appear in files subject to external information retrieval request systems.

4.3 Query Preparation. All requests for information retrieval system output will be prepared on the form shown in Figure 4-01 in accordance with the instructions contained in Figure 4-02. Paragraph 4.5 contains sample information retrieval system outputs and explanations of the use of this data.

a. Headquarters Marine Corps HMSS users submit the data retrieval request (Figure 4-01) or the request and a MARK IV program(s) to the Commandant of the Marine Corps (Code LMM) for transmittal to the Commanding General (Code 730), MCLSBLant.

b. MCLSBLant HMSS users will submit the data retrieval request in accordance with local procedures to the Commanding General (Code 730), MCLSBLant.

4.4 Control Instructions.

a. The external information retrieval system for the MIMMS AIS/HMSS is controlled by the Commanding General, MCLSBLant. Specific instructions are contained in the operations manual; and any questions regarding data extraction should be addressed to the Commanding General (Code 730), MCLSBLant, via the Commandant of the Marine Corps (Code LMM).

DATA RETRIEVAL REQUEST	
1. NAME OF DATA FILE:	
2. TIME/DATE REQUIRED:	3. TIME/DATE OF REQUEST:
4. INFORMATION REQUIRED: A. SPECIFY EXACT INFORMATION REQUIRED: B. INDICATE SEQUENCE LISTING OF MATERIAL WHEN APPROPRIATE: C. STATE FORMAT DESIRED WHEN APPLICABLE: D. INDICATE TITLE AND HEADING DESIRED WHEN APPLICABLE: E. STATE CLASSIFICATION OF MATERIAL IF KNOWN:	
5. CLASSIFICATION:	6. NUMBER OF COPIES:
7. NAME, TITLE, AND TELEPHONE NO. OF REQUESTER:	
8. TIME/DATE OF ARRIVAL:	9. RECEIVED BY:
10. REMARKS:	
11. SIGNATURE OF REQUESTER	12. APPROVED/DISAPPROVED

FIGURE 4-01. Data Retrieval Request Format

1. Name of Data File. Exact title of file.

2. Time/Date Required. Self-explanatory.

3. Time/Date of Request. Self-explanatory.

4. Information Required

a. Specify Exact Information Required. Indicate the exact data necessary to meet your requirements.

b. Indicate Sequence Listing of Material When Desired. If a specific sequence is desired, indicate accordingly; i.e., listing by TAMCN, ID, and nomenclature.

c. State Format Desired When Applicable. Indicate desired arrangement; i.e., five spaces between ID and nomenclature, etc.

d. Indicate Title and Heading Desired When Applicable. Self-explanatory.

e. State Classification of Material if Known. Self-explanatory.

5. Classification. Leave blank.

6. Number of Copies. Indicate number of copies required.

7. Name, Title, and Telephone Number of Requester. Self-explanatory.

8. Time/Date of Arrival. Leave blank.

9. Received By. Leave blank.

10. Remarks. Indicate any additional information which will further clarify staff needs.

11. Signature of Requester. Self-explanatory.

12. Approved/Disapproved. The director of the ASC will line out the word not applicable and sign. If disapproved, the request will be returned to the requester with an explanation.

FIGURE 4-02. Data Retrieval Request Instructions

b. Prior to programming a report extraction, the HMSS user should be familiar with the appropriate file definitions contained in Appendix P and the data elements definitions contained in Appendix C. The definitions will provide for the specified data base files the proper name, size, location, and formats of the fields, file keys, record structure, and any additional information required to manipulate the file and its data elements.

4.5 Sample Information Retrieval System Outputs. This paragraph contains sample information retrieval system outputs which could be extracted from the HMSS data base. These outputs support some of the common maintenance management functions performed by HMSS users. The functions are:

a. Equipment reliability and maintainability analysis.

b. Equipment failure analysis.

c. Repair part application analysis.

d. Maintenance task analysis.

4.5.1 Equipment Reliability and Maintainability Analysis.

a. The primary means of improving equipment availability is to increase its reliability and/or maintainability. Reliability is increased by redesigning or rebuilding the equipment. Maintainability is increased by decreasing the maintenance time required to repair the equipment.

b. Figure 4-03 is a sample output for equipment reliability. The heading includes standards data of the equipment, in this case a generator. Reliability and maintainability functions are related to the age of the equipment being analyzed; thus, the sample reports categorize equipments into "use group" intervals, representing the age of equipments as a function of their operating time (equipment operating time (EOT)). The requester would have identified the equipment type to be analyzed on his/her request by submitting one or more of the following data elements:

(1) ID number

EQUIPMENT RELIABILITY-MAINTAINABILITY ANALYSIS
PERFORMANCE INDICATORS

DATE: 76 07 15

TAM	ID	NOMENCLATURE	WEAPONS SYS CODE	EOTC	STD MMT	STD MTBM	STD MTBF
B0970	006858A	GENERATOR SET 30KW 400HZ PU-709/G	7W	H	0001.1	00100	00175

USE GROUP EOT RANGE FROM	TO	EQUIP DENSITY	MMT	MTTR	MTBM	MTBF
000000	001500	000005	0001.2	0001.1	00078	00150
001501	003000	000009	0001.1	0000.9	00083	00152
003001	004500	000008	0001.3	0001.4	00091	00156
004501	006000	000011	0001.2	0000.8	00087	00154
006001	007500	000013	0001.3	0001.4	00090	00155
007501	009000	000008	0001.2	0000.9	00084	00152
009001	010500	000011	0001.7	0002.1	00093	00157
010501	012000	000010	0001.6	0001.8	00081	00151
012001	013500	000012	0001.1	0000.8	00077	00147
013501	015000	000008	0001.7	0001.7	00085	00151
OVER	015000	000002	0001.6	0001.7	00073	00143
AGGREGATE:		000096				
AVERAGE:			0001.4	0001.3	00084	00152

FIGURE 4-03. Sample Output Format for Equipment Reliability-Maintainability Analysis

(2) TAM number

(3) Nomenclature

(4) WSC

(5) EOTC

(6) EOT range from

(7) EOT range to

(8) Over

(9) Equipment density

(10) Aggregate

c. For the sample in Figure 4-03, the analysis data shown represents some of the performance indicators related to the operation of the equipment type in the MIMMS AIS inventory. On the sample, the performance indicators are relative to a specified EOT range, allowing for comparisons as the equipment type "ages" in the system. The following fields on the sample support analysis of equipment performance indicators:

(1) STD MMT, STD MTBM, and STD MTBF. The entries in these fields represent the Marine Corps standard for mean maintenance time (MMT), mean time between maintenance (MTBM), and mean time between failure (MTBF) for the ID number as established by commodity managers. These values permit a comparison of the computed MMT, MTBM, and MTBF values to Marine Corps standards.

(2) MMT. Entries for this field represent the average maintenance man-hours expended per PM and corrective maintenance (CM) action for an EOT range.

(3) MTTR. This performance indicator represents the average number of maintenance man-hours, per CM action, required to repair an equipment for an EOT range. A comparison of the entries on the report provides an indication of maintenance man-hour resources expended as related to the "age" of the equipment.

(4) MTBM. This performance indicator permits the HMSS requester to compare equipment availability to the "age" of the equipment. Maintenance actions include PM as well as CM.

(5) MTBF. The MTBM entries are an indication of equipment availability, and the MTBM entries are an indication of the equipment operational availability.

(6) Average MMT, MTTR, MTBM, and MTBF. The averages of the respective performance indicators represent performance indicators which have applicability for the total EOT range. The average entries can be used to make comparisons between individual EOT range entries and the Marine Corps standard entries.

d. The sample shown in Figure 4-03 provides performance indicators in terms of maintenance times; other indicators could be man-hours or materiel expense. Figure 4-04 depicts a set of man-hours indicators which could have been substituted for the maintenance time indicators shown in Figure 4-03. Figure 4-05 contains a set of materiel expense indicators which also could have been selected instead of the maintenance times for analysis.

4.5.2 Equipment Failure Analysis. The equipment reliability and maintainability outputs described in paragraph 4.5.1 provide a general indication of possible problem areas associated with an equipment type. Equipment failure analysis is normally performed to obtain a more detailed view of a potential problem area detected through reliability and maintainability analysis. For example, when the failure rate or MTBF of an equipment type exceeds the standards established by Headquarters Marine Corps, then equipment failure analysis would be in order. Figures 4-06 and 4-07 depict output requested to permit equipment failure analysis.

Man-Hour Index Per 100 Units of EOT		
PM	CM	Total
0001.5	0001.0	00002.5
0001.0	0001.0	00002.0
0001.4	0001.6	00003.0
0001.0	0001.3	00002.3
0001.1	0001.1	00002.2
0001.7	0001.7	00003.4
0001.0	0001.3	00002.3
0001.2	0001.4	00002.6
0001.1	0001.6	00002.7
0001.0	0001.3	00002.3
0001.5	0001.6	00003.1
0001.2	0001.4	00003.1

FIGURE 4-04. Reliability/Maintainability Performance Indicators (Man-Hours)

Materiel Expense Index Per 100 Units of EOT		
PM	CM	Total
0008.86	0004.23	00013.09
0007.70	0017.50	00025.20
0000.14	0023.80	00029.94
0010.74	0068.40	00079.14
0009.80	0006.74	00016.54
0009.54	0065.43	00074.97
0012.85	0007.83	00020.68
0010.60	0009.64	00020.24
0009.18	0006.80	00015.98
0009.37	0074.18	00083.55
0011.63	0086.17	00097.80
0009.67	0033.70	00043.38

FIGURE 4-05. Reliability/Maintainability Performance Indicators (Materiel Expense)

MALFUNCTION ANALYSIS

FROM: 75 01 01 TO: 75 10 31 DATE: 76 07 15

ASC: 50

TAM	ID	NOMENCLATURE	WEAPONS SYS CODE	EOIC
B0970	06858A	GENERATOR SET 30KW 400HZ PU-709/G	7W	H

NBR FLR	COMPONENT FIRST CHARACTER OF DEFECT CODE	PCT EQUIP ID FAILURE	COMPONENT FLR RATE	TOTAL TASKS	COMPONENT MALFUNCTIONS DEFECT CODE	NBR TASKS	PCT-TOTAL
0054	L	023	1.2	00018	L11	0003	017
					L12	0001	006
					L17	0001	006
	K	034	1.8	00011	K41	0001	009
					K39	0002	018

FIGURE 4-06. Sample Output Format for Malfunction Analysis

EQUIPMENT FAILURE REPAIR PART ANALYSIS
FROM: 75 01 01 TO: 75 10 31 DATE: 76 07 15

ASC: 50

TAM	ID	NOMENCLATURE	WEAPONS SYS CODE	ROYC
E0970	D6858A	GENERATOR SET 30KW 400HZ FU-709/G	7N	N

REPAIR PARTS DATA: NSN	UI	PCT FLR CONNECTED	NUMBER USED 2EOM	3EOM	4EOM	TOTAL	AVG NBR PER USE	FAILURE RATE	CONSUMPTION RATE (PER 100 UNITS EOT)
4720-00-540-1368	FT	022	00003	00005	00004	00012	00004	01.128	00.09
4730-00-278-2082	EA	031	00006	00009	00002	00017	00001	01.598	00.04
596 -00-179-3913	EA	015	00000	00005	00003	00008	00001	00.752	00.01
59C -00-982-3337	EA	020	00004	00001	00006	00011	00001	01.034	00.01
6115-00-249-6852	EA	012	00001	00000	00005	00001	00001	00.564	00.01

FIGURE 4-07. Sample Output Format for Equipment Failure Report Repair Analysis

a. Figure 4-06 represents the type of output requested to identify the cause of equipment failures. As is the case with other information retrieval system outputs, the sample contains the standards data specified in the request. The number of end item failures entry provides the report user with a reference base of how many equipment end item failures were encountered when extracting report data. Entries for the component first character of defect code is used to identify the end item component repaired. The defect, job ID and job status codes are contained in Appendix Q; in this instance, "L" is for fuel systems and "K" is for electrical systems. The percentage of component to ID number failures entries relates the number of times that a specific component malfunctioned while the equipment end item, by ID number, experienced a failure. The average number of times that a specific component malfunctioned for a 30-day period of end item operation is entered in the component failure rate field. The total task field entry is a summation of the number of tasks entries on the HMSS history file for a specific first character of a defect code. The entries in the defect code field are the three-character defect codes which, in addition to identifying the component, also identify the maintenance task performed. The number of tasks entries indicate how many times a particular task was performed. The percentage of total tasks is an indicator of the relative occurrence of a failure of a specific defect code to a component malfunction. These data provide the user with specific indicators to possible problem areas associated with component malfunctions when the end item failed.

b. Figure 4-07 represents another approach to identifying the cause of failures. In this instance, the failures are linked to the repair parts used. Under the header of repair parts data appears all repair parts used to correct an equipment end item failure. The repair parts are listed in NSN sequence. The percentage failure connected entries relate the number of times the repair part, by NSN, was used in the repair of an equipment end item. The number used entries are a breakdown of the number of a specific repair part used at an

echelon of maintenance. The average number per use represents the average number of a particular repair part required per maintenance action related to an end item failure. The failure rate entries represent usage data for a 30-day period, while the consumption rate represents usage per 100 units of EOT. The sample provides the user with indicators of possible problems associated with excessive usage of a specific repair part in repair of a specific end item which failed.

4.5.3 Repair Part Application. The samples shown in Figures 4-08 and 4-09 are examples of information retrieval output which can be extracted. Repair part consumption can be related to end items (Figure 4-08) or secondary reparables (Figure 4-09). The requester specifies the NSN of the repair part to be analyzed. The NSN is used as a key to access records resident in the HMSS history file. The repair part analysis data shown is only a sample of what is available. The request could have included the number used for PM actions or for modification (MOD) actions. The explanation of the samples provided applies to both Figures 4-08 and 4-09.

a. Number Used for CM Actions at Second Through Fourth Echelons of Maintenance (EOM's). Entries in these fields provide a breakdown of the quantity of repair parts used at the specified EOM to repair an item which required CM. The materiel usage code indicates the maintenance action for which the repair part was required (CM, PM, or MOD). Since the sample did not specify a timeframe for which application data was to be extracted, the complete HMSS history file was searched for occurrences of the repair part NSN.

b. Total Number Used. The entry in this field is a summation of the entries for the quantity of a specific repair part used for CM actions at second through fourth EOM's per ID number or secondary reparable NSN.

4.5.4 Maintenance Task Analysis. The sample shown in Figure 4-10 contains data which indicates the overall effort required to maintain an equipment. The sample provides summary data, by EOM for a requested ID number, which can be used to analyze the maintainability of the equipment type.

REPAIR PART END ITEM APPLICATION

DATE: 76 07 15

NSN	NOMENCLATURE	UI
5920-00-296-3066	FUSE TYPE 3A 1/10 AMP	EA

ID	NOMENCLATURE	EOTC	CONSUMPTION INDEX (PER 100 UNITS EOT)
03817A	RADIO SET AN/PRC-47	D	084.46

NBR USED CM ACTIONS			TOTAL
2EOM	3EOM	4EOM	NBR USED
000112	000084	000027	000223

FIGURE 4-08. Sample Output Format for Repair Part End Item Application

REPAIR PART SECONDARY REPARABLE APPLICATION

NSN	NOMENCLATURE	UI
5920-00-296-3066	FUSE TYPE 3AG 1/10 AMP	EA

SEC REP NSN	SEC REP NOMENCLATURE	AVERAGE USED PER SEC REP
5920-00-082-1599	RECEIVER-TRANSMITTER PT-671/PRC-47	00.20

NBR USED CM ACTIONS			TOTAL
2EOM	3EOM	4EOM	NBR USED
000000	000000	000011	000011

FIGURE 4-09. Sample Output Format for Repair Part Secondary Reparable Application

MAINTENANCE TASK SUMMARY DATE: 76 07 15

TAM	ID	NOMENCLATURE	WEAPONS SYS CODE	EQUIP DENSITY	AGGREGATE ERO'S	AGGREGATE TASKS	AGGREGATE MAN-HOURS
B0980	066638	GENERATOR SET PU-710/G	XM	000018	000058	000237	000211

ERO'S	PCT AGGREGATE ERO'S	TASKS	PCT AGGREGATE TASKS	MAN-HOURS	PCT AGGREGATE MAN-HOURS	AVG MAN-HOURS PER ERO	AVG MAN-HOURS PER TASK
2D ECHELON MAINTENANCE 000033	057	000130	055	000108	051	003.3	000.8
3D ECHELON MAINTENANCE 000009	016	000040	017	000044	021	004.8	001.1
4TH ECHELON MAINTENANCE 000016	027	000067	028	000059	028	003.7	000.9

FIGURE 4-10. Sample Output Format for Maintenance Task Analysis

a. Equipment Identification Data. The requester specifies equipment identification data which consists of ID number, TAM number, nomenclature, and WSC. The equipment density field was added to provide the requester with the quantity of the equipment type in the MIMMS AIS inventory.

b. Maintenance Task Analysis Data. The remainder of the output information on the sample is analysis data related to the performance of maintenance actions. The fields are as follows:

(1) Aggregate ERO's. The entry in this field indicates the total number of ERO's opened and closed at second through fourth EOM activities referencing the specified ID number.

(2) Aggregate Tasks. The entry in this field is a summation of the number of maintenance tasks performed on the specified ID number as extracted from the number of tasks field entries for completed ERO's.

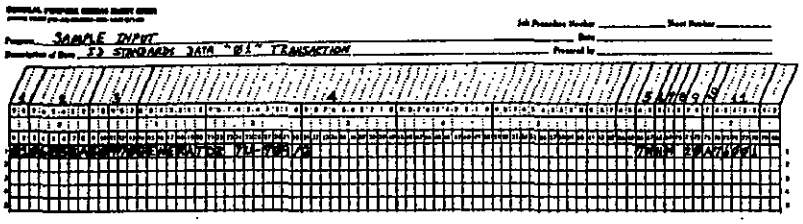
(3) Aggregate Man-Hours. The entry in this field is a summation of the number of maintenance man-hours expended for ERO's included in the aggregate ERO's count. Data for this field is extracted from the military labor hours field entry related to the completed ERO's.

(4) Remaining Fields. For the remainder of the sample, the aggregate entries are subdivided into the EOM at which they occurred. Percentages of the aggregate entries are provided for comparison between EOM's. The average man-hours expended per ERO and per task provide the user with further maintainability indicators which can be used to evaluate workloads related to an EOM and the ID number.

4.5.5 Summary. The preceding paragraphs have specified the procedure for submitting a query to the external information retrieval system and samples of system output. The significant advantage to an external information retrieval system is that the user is not limited to output reports developed by the systems designer. However, the user must familiarize himself/herself with the data elements available in the data base and decide which will best provide the necessary management information.

APPENDIX A

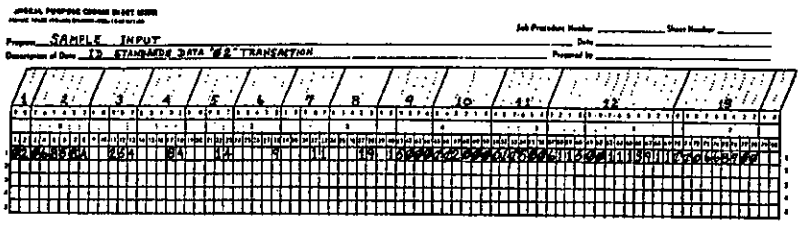
SAMPLE INPUT TRANSACTIONS AND LEGENDS FOR THE HMSS



LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "01." It is a required entry.
2	3-8	ID NUMBER	This field will contain the ID number, as obtained from supply source documents, of the equipment type which is to be added of the inventory of MIMMS AIS-managed equipment. The entry in this field must not match an ID number already on the MIMMS AIS ID standards file. It is a required entry.
3	9-13	TAM NUMBER	If the equipment type which is to be added to the MIMMS AIS inventory has a TAM number, then the TAM number is entered in this field. A source of TAM numbers is NAVMC 1017 or the recent Marine Corps bulletin in the 3000 series. Equipment types which are to be managed by the system for automatic readiness reporting must have a TAM number entry. This field may be left blank.
4	14-63	NOMENCLATURE	If the equipment type being added to the MIMMS AIS inventory has a nomenclature, as established by supply sources, the name will be entered left-justified.
6	68	EQUIPMENT OPERATING TIME CODE	Each equipment type, for which the MIMMS AIS is required to gather maintenance engineering-type data, must have an EOTC "M" (miles), "H" (hours), "R" (rounds), or "D" (days). The EOTC is used as an expression of units associated to such equipment standards as MTBF, MTBM, or operating life expectancy of the equipment type. This is a required entry.
7	69	READINESS FLAG	An entry in this field will flag the equipment type as being a readiness reportable item under the current Marine Corps bulletin in the 3000 series, or one which is not readiness reportable. Reportable equipment types will contain an "M" in this field; all others, leave blank. Changes to this flag require Commandant of the Marine Corps (Code LMP) approval.
8	70	MODIFICATION FLAG	Each equipment type, for which the MIMMS AIS is required to track modification an entry of "Y" must be made in this field. An entry of "N" or the field left blank will cause the system not to track modification status. An entry of "Y" requires an entry in the MEA flag field on at least "D" (Key 10).

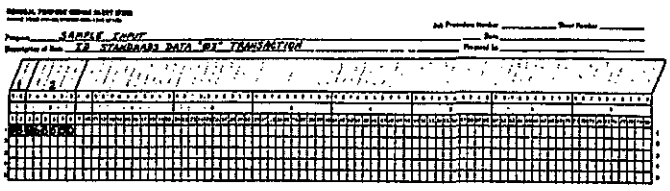
Key	Card Column	Title	Explanation
9	71-72	MANAGEMENT FUNCTIONAL CODES	This two-position code will indicate, for an equipment type, the functional area in which the equipment will be employed; e.g., artillery, communications support, tracked ordnance, etc. Refer to the current edition of MCO 3000.12. This field may be left blank.
10	73	MAINTENANCE ENGINEERING ANALYSIS FLAG (MEA FLAG)	The entry in this field will indicate to the MIMMS AIS the type of maintenance production data the FMSS should gather to support the HMSS maintenance engineering analysis function required to be performed for the equipment type. Acceptable entries are "A," "B," "C," or "D." An entry of "B" indicates that failure analysis data is to be gathered, "C" indicates that only repair parts analysis data is to be gathered, "D" indicates that only reliability/maintainability analysis data is to be gathered, and an entry of "A" indicates that all of the preceding are to be accomplished. This field may be left blank.
11	74-78	MAINTENANCE ENGINEERING ANALYSIS DATE (MEA DATE)	The entry in this field will be the Julian date (YYDDD) on which the equipment type became eligible for the type of maintenance engineering analysis indicated in the MEA field. This field may be left blank.



LEGEND

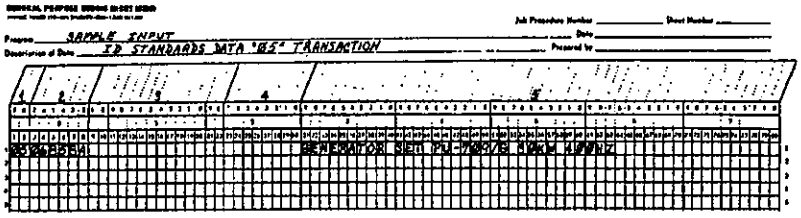
Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "02." It is a required entry.
2	3-8	ID NUMBER	The entry in this field will identify the equipment type which will have its system record updated with standards data entered into fields 13 through 23. It is a required entry.
3	9-13	STANDARD MTBF	An entry in this field will enter into system files, for the equipment type identified in CC's 3-8, an SMTBF in units of the EOTC entered by a previous "01" or "04" transaction type. This SMTBF can be used as a standard for comparison of the actual MTBF for a specific equipment of the same ID number. This field may be left blank.
4	14-18	STANDARD MEAN TIME BETWEEN MAINTENANCE (SMTBM)	Same as for the SMTBF explanation, except that the standard being entered is the SMTBM actions for the equipment type. This field may be left blank.
5	19-23	STANDARD MEAN MAINTENANCE TIME (SMMT)	Same as for the SMTBF explanation, except that the standard being entered is for the time to perform a maintenance action on a specified equipment type. The units of SMMT are man-hours required to perform the requested maintenance. This field may be left blank.
6	24-28	STANDARD MEAN TIME TO REPAIR SECOND ECHELON OF MAINTENANCE	Same as for the SMMT explanation, except that the standard being entered is for the time to perform CM at the second EOM for a specified equipment type. The units of STTR are CM man-hours. This field may be left blank.
7	29-33	STANDARD MEAN TIME TO REPAIR THIRD ECHELON OF MAINTENANCE	Same as for the SMTTR second EOM explanation, except that this entry is for the third EOM. This field may be left blank.
8	34-38	STANDARD MEAN TIME TO REPAIR FOURTH ECHELON OF MAINTENANCE	Same as for the SMTTR second EOM explanation, except that this entry is for the fourth EOM. This field may be left blank.
9	39-44	OPERATING LIFE EXPECTANCY	The entry in this field will indicate for the specified equipment type the expected standard operating life, in units of EOTC. This field may be left blank.
10	45-50	MAXIMUM TIME BETWEEN ANNUAL PREVENTIVE MAINTENANCE	This field will contain the maximum allowable operating time, in units of EOTC, of an equipment type before annual PM must be performed. This field may be left blank but, when completed, must have leading zeros.
11	51-56	MAXIMUM TIME BETWEEN QUARTERLY PREVENTIVE MAINTENANCE	Same as key 10, except that the entry will indicate the maximum allowable operating time before quarterly PM must be performed. This field may be left blank but, when completed, must have leading zeros.

Key	Card Column	Title	Explanation
12	57-69	NSN	This field, when present, will identify the NSN associated with the equipment type identified in the ID field. The entry is obtained from supply sources. An entry is required on the initial "02" transaction.
13	70-78	STANDARD UNIT PRICE	This field will contain the standard unit price (SUP) of the equipment type identified in the ID field. The SUP is obtained from supply sources but, when completed, must have leading zeros.



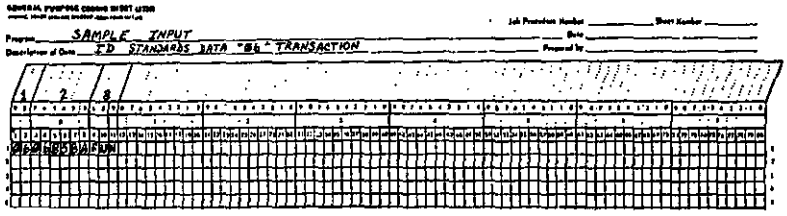
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "03." It is a required entry.
2	3-8	ID NUMBER	Enter the ID number of an equipment type in the MIMMS AIS inventory which is to be deleted. It is a required entry.



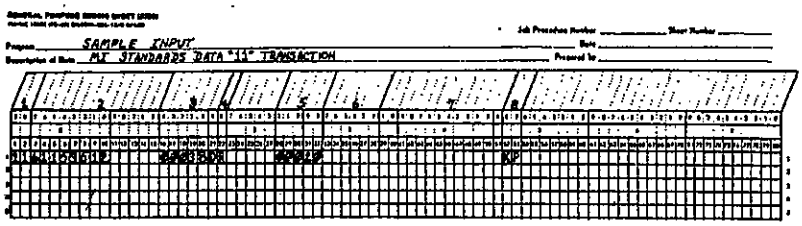
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "04." It is a required entry.
2	3-8	ID NUMBER	The ID number entered in this field will identify the equipment type, in the MIMMS AIS inventory, whose ID standards file record is to be updated with a "04"transaction type. It is a required entry.
3	9-13	TAM NUMBER	An entry in this field will overlay a TAM number entry in the ID standards file record for this equipment type. This field may be left blank.
4	44-56	NSN	An entry in this field will overlay the NSN field in the ID standards file for this equipment. This field may be left blank.
5	57-65	ACQUISITION COST	An entry in this field will overlay the acquisition cost field in the ID standards file for this equipment. This field may be left blank but, when completed, must have leading zeros.
6	66-67	WEAPONS SYSTEM CODE	An entry in this field will overlay the WSC field in the ID standards file for this equipment. This field may be left blank.
7	68	EQUIPMENT OPERATING TIME CODE	An entry in this field will overlay the EOTC field in the ID standards file for this equipment. This field may be left blank.
8	69	READINESS FLAG	An entry in this field will overlay the readiness flag field in the ID standards file for this equipment. This field may be left blank.
9	70	MODIFICATION FLAG	An entry in this field will overlay the modification control flag field in the ID standards file for this equipment. This field may be left blank.
10	71-72	MANAGEMENT FUNCTIONAL CODES	An entry in this field will overlay the management functional code field in the ID standards file for this equipment. This field may be left blank.
11	73	MAINTENANCE ENGINEERING ANALYSIS FLAG	An entry in this field will overlay the MEA flag field in the ID standards file for this equipment. This field may be left blank.
12	74-78	MAINTENANCE ENGINEERING ANALYSIS DATE (MEA DATE)	An entry in this field will overlay the MEA date field in the ID standards file for this equipment. This field may be left blank (YYDDD).



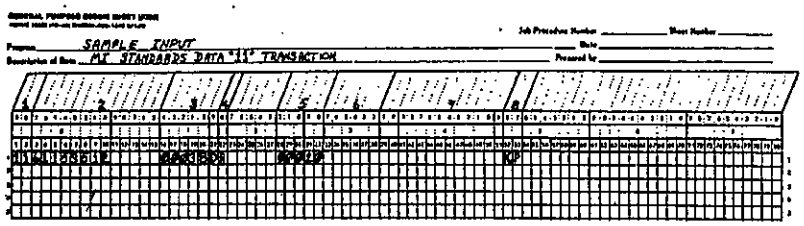
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "05." It is a required entry.
2	3-8	ID NUMBER	Enter the ID number field which identifies the specific equipment type record in the ID standards file which is to be updated. It is a required entry.
3	9-21	NSN	An entry in this field will overlay the data in the ID standards file for the NSN of this equipment type. This field may be left blank.
4	22-30	ACQUISITION COST	An entry in this field will overlay the acquisition cost field in the ID standards file. This field may be left blank but, when completed, must have leading zeros.
5	31-80	NOMENCLATURE	An entry in this field will overlay the nomenclature field in the ID standards file. This field may be left blank.



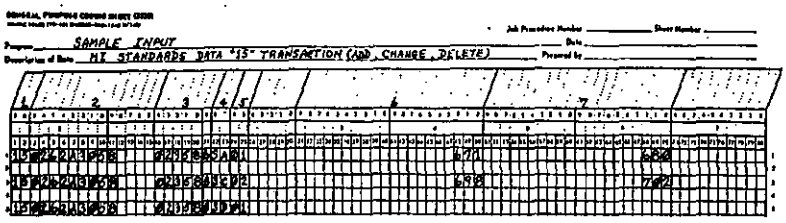
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "06." It is a required entry.
2	3-8	ID NUMBER	Enter the ID number in this field which identifies the specific equipment type record in the ID standards file which is to be updated. It is a required entry.
3	9-11	AFFECTED FIELD	An entry in this field will contain one of the following codes: WSC, MEA, MAR, FUN, or MOD which will respectively blank out the weapons systems code, maintenance engineering analysis flag, readiness flag, management functional code fields, and modification control flag. It is a required entry. An entry of MEA will also blank out the MEA date entry.



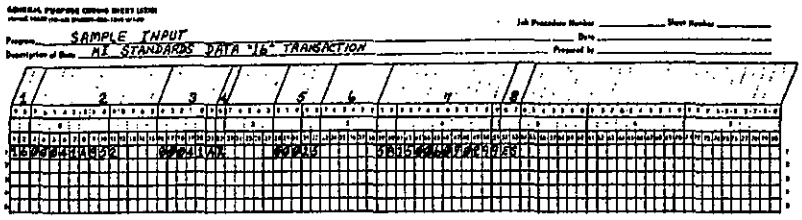
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "11." It is a required entry.
2	3-15	MI NUMBER	Enter, left-justified, the MI number which is to be added to the MI standards file less "MI," all dashes "_," and slashes "/." The MI number in conjunction with the ID number uniquely identifies a record on the MI standards file. It is a required entry. For a change, enter the MI No. as above but put the decimal in next space then the change No. Enter the ID number of the equipment type to which the MI is applicable. It is a required entry.
3	16-21	ID NUMBER	Enter the ID number of the equipment type to which the MI is applicable. It is a required entry.
4	22	URGENCY CODE	This field will indicate whether the modification to be applied is of an urgent or routine nature. The two valid entries are "U" for urgent and "R" for routine. It is a required entry.
5	28-32	STANDARD TIME TO MODIFY	The entry in this field will indicate to the nearest tenth the number of maintenance man-hours required to perform the modification. The entry is right-justified with the right-most digit (CC 32) indicating tenths of a maintenance man-hour. Leading zeros must be added. It is a required entry.
6	33-38	NEW ID NUMBER	If applicable, an entry in this field will contain the new ID number of the equipment once it has been modified. This field may be left blank.
7	39-51	MODIFICATION KIT NSN	If applicable, enter the NSN of the modification kit required for this MI. This field may be left blank.
8	52-53	WEAPON SYSTEM CODE	When the modification is applicable to an equipment type, by ID number, which has a WSC, then the code will be entered in this field. This field may be left blank.



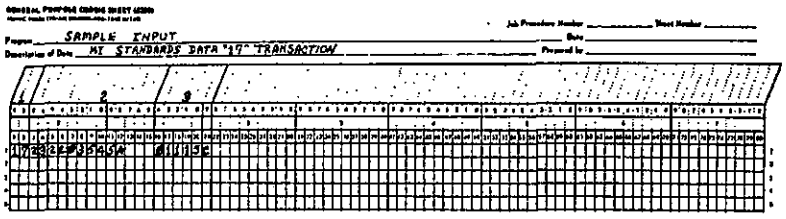
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "15.". It is a required entry.
2	3-15	MI NUMBER	Enter, left-justified, the MI number less "MI," all dashes "_," and all slashes "/." It is a required entry. Entry on this card must be identical to the "11" card for this field.
3	16-21	ID NUMBER	Enter the ID number of the equipment type to which the MI is applicable. It is a required entry.
4	22-23	ACTION CODE	The entry in this field will specify whether the "15" transaction type submission is an addition, charge, or deletion of an MI serial number range restriction. The applicable codes are "SA," "SC," and "SD." The serial number from and the serial number to fields are left blank only on the SD transaction.
5	24-25	TRAILER NUMBER	The entry in this field will uniquely identify each trailer record associated with a prime MI record. Valid entries in this field are "01" to "99." It is a required entry.
6	31-50	SERIAL NUMBER FROM	An entry is required in this field when the action code is either "SA" or "SC." The entry will be right-justified with the last 10 positions being numeric. The entry in this field must be numerically less than or equal to the entry in the serial number to field.
7	51-70	SERIAL NUMBER TO	The entry in this field has the same criteria as the serial number from field, except that the entry must be numerically equal to or greater than the entry in the serial number from field.



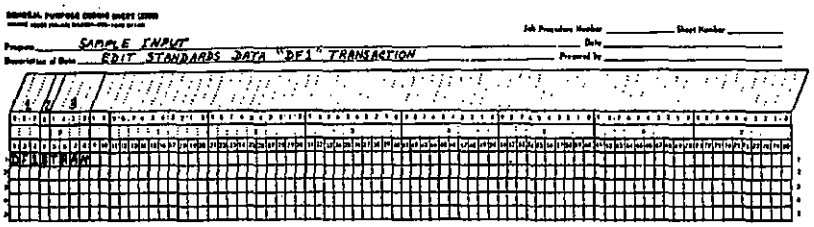
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "16." It is a required entry.
2	3-15	MI NUMBER	Enter, left-justified, the MI number less "MI," all dashes "_," and all slashes "/." It is a required entry. An entry in this field must be exactly the same as for the "11" and "15" cards.
3	16-21	ID NUMBER	Enter the ID number of the equipment type to which the MI is applicable. It is a required entry.
4	22	URGENCY CODE	An entry in this field will overlay a previous urgency code entry in the specified MI record of the MI standards file. Valid codes are "U" and "R." This field may be left blank.
5	28-32	STANDARD TIME TO MODIFY	An entry is made in this field only when there is a correction or change to an MI standards file entry. The entry is right-justified with the last digit representing tenths of maintenance man-hours. This field may be left blank.
6	33-38	NEW ID NUMBER	An entry in this field will overlay a previous new ID number entry in the MI standards file for the specified MI record. This field may be left blank.
7	39-51	MODIFICATION	An entry in this field will overlay a previous NSN entry in the specified MI record of the MI standards file. This field may be left blank.
8	52-53	WEAPON SYSTEM CODE	An entry in this field will overlay a previous WSC entry for a specified MI record in the MI standards file. This field may be left blank.



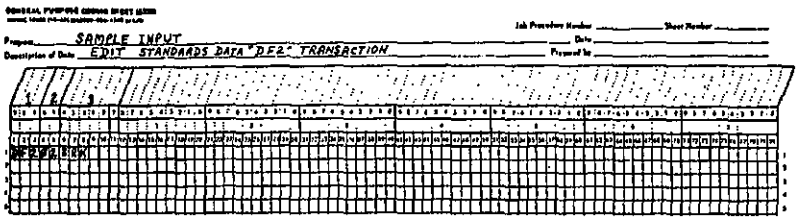
LEGEND

Key	Card Column	Title	Explanation
1	1-2	TRANSACTION CODE	Enter "17." It is a required entry.
2	3-15	MI NUMBER	Enter the MI number, left-justified, which is to be deleted from the MI standards file. An entry in this field must be exactly the same as the existing "11," "15," and "16" card entries.
3	16-21	ID NUMBER	Enter the ID number of the equipment type to which the MI is applicable. It is a required entry.



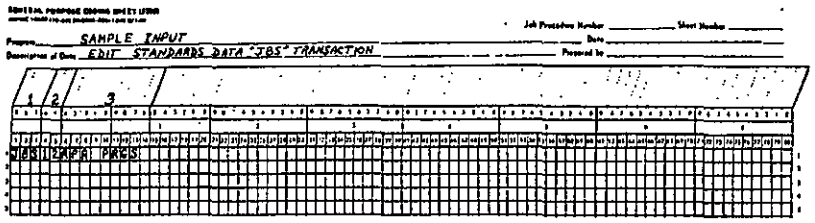
LEGEND

Key	Card Column	Title	Explanation
1	1-3	TRANSACTION CODE	Enter "DF1." It is a required entry.
2	4	FIRST CHARACTER OF DEFECT CODE	Enter the first character of the defect code to be added to the edit standards file. It is a required entry.
3	5-8	ABBREVIATION FOR FIRST CHARACTER OF DEFECT CODE	Enter the abbreviation, left-justified, of the first character of the defect code to be added to the edit standards file. It is a required entry.



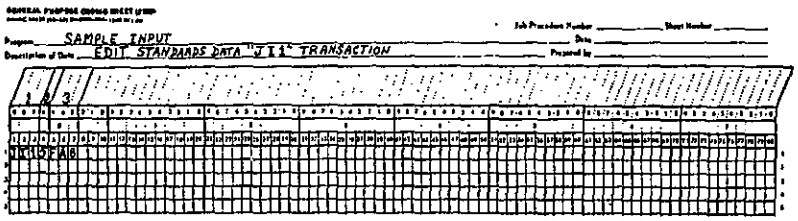
LEGEND

Key	Card Column	Title	Explanation
1	1-3	TRANSACTION CODE	Enter "DF2." It is a required entry.
2	4-5	SECOND AND THIRD CHARACTERS OF DEFECT CODE	Enter the second and third characters of the defect code to be added to the edit standards file. It is a a required entry.
3	6-11	ABBREVIATION FOR SECOND AND THIRD CHARACTERS OF DEFECT CODE	Enter, left-justified, the abbreviation for the second and third characters of the defect code to be added to the edit standards file. It is a required entry.



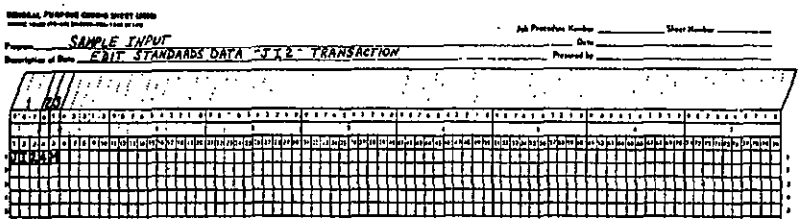
LEGEND

Key	Card Column	Title	Explanation
1	1-3	TRANSACTION CODE	Enter "JBS." It is a required entry.
2	4-5	JOB STATUS CODE	Enter the two-position job status code which is to be added to the edit standards file. It is a required entry.
3	6-14	ABBREVIATION FOR JOB STATUS CODE	Enter the abbreviation, left-justified, for the job status code which is to be added to the edit standards file. It is a required entry and may have spaces in any position but CC 6.



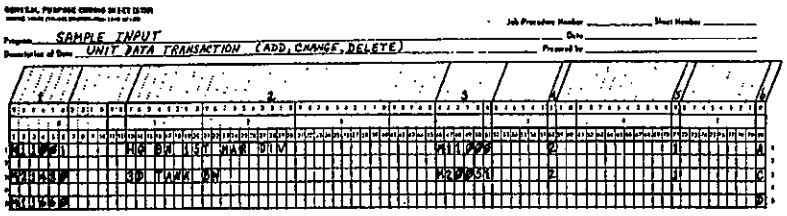
LEGEND

Key	Column	Title	Explanation
1	1-3	TRANSACTION CODE	Enter "JI1." It is a required entry.
2	4	FIRST CHARACTER OF JOB IDENTIFICATION CODE	Enter the first character of the job ID code which is to be added to the edit standards file. It is a required entry.
3	5-7	ABBREVIATION FOR FIRST CHARACTER OF JOB IDENTIFICATION CODE	Enter the three-position abbreviation for the first character of the job ID code which is to be added to the edit standards file. It is a required entry.



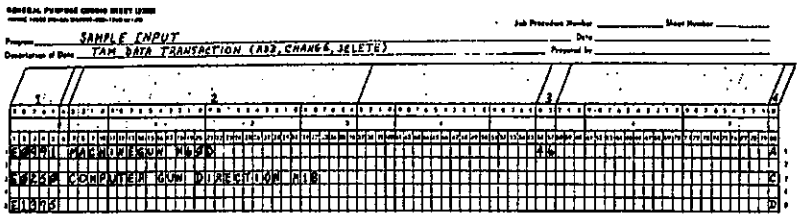
LEGEND

Key	Code Column	Title	Explanation
1	1-3	TRANSACTION CODE	Enter "JI2." It is a required entry.
2	4	SECOND CHARACTER OF JOB IDENTIFICATION CODE	Enter the second character of the job ID code which is to be added to the edit standards file. It is a required entry.
3	5	ABBREVIATION FOR SECOND CHARACTER OF JOB IDENTIFICATION CODE	Enter the abbreviation for the second character of the job ID code which is to be added to the edit standards file. It is a required entry. Abbreviations for job ID codes already in use are contained in Appendix Q.



LEGEND

Key	Card Column	Title	Explanation
1	1-6	UIC	Enter the six alphanumeric characters which uniquely identify a Marine Corps unit. The first character must be "M." It is a required entry.
2	13-45	UNIT NAME	Enter the nomenclature which identifies the unit. It is a required entry for "A" (add) and "C" (change) transactions.
3	46-51	MAJOR COMMAND UIC	Enter the six alphanumeric characters which identify the parent major command of the unit identified in CC's 1-6. It is a required entry for "A" (add) transactions.
4	58	TYPE OF UNIT CODE	An entry in this field must contain either "2" (FMF air/ground), "4" (maintenance float/operational readiness float (ORF)), "5" (reserves), or "9" (general accounts/Supported Activities Supply System (SASSY) management unit (SMU)/shop stores). It is a required entry for "A" (add) transactions.
5	71	MARINE AMPHIBIOUS FORCE CODE	An entry in this field must contain either "1" (IMAF), "2" (IIMAF), "3" (IIIMAF), "4" (4th Division/Wing), or "5" (1st Marine Brigade/Headquarters and Service Battalion, FMFPac). This code will identify the parent MAF of the unit identified in CC's 1-6. It is a required entry for an "A" (add) transaction.
6	80	ACTION CODE	Enter the appropriate code for the type transaction; e.g., "A" (add), "C" (change), or "D" (delete). It is a required entry.



LEGEND

Key	Card Column	Title	Explanation
1	1-5	TAM NUMBER	Enter the TAM number which is to be added, changed or deleted from the TAM data file. This entry is obtained from the current Marine Corps bulletin in the 3000 series. It is a required entry.
2	7-36	Nomenclature	Enter the nomenclature for the equipment type identified in CC's 1-5. A "C" (change) transaction will overlay a previous entry for the specified TAM number. It is a required entry for an "A" (add) transaction.
3	56-57	MANAGEMENT FUNCTIONAL CODE	Enter the management function code listed in MCO 3000.12. It is a required entry for an "A" (add) transaction.
4	80	ACTION CODE	Enter the appropriate code for the type transaction; i.e., "A" (add), "C" (change), or "D" (delete). It is a required entry.

APPENDIX B

SAMPLE OUTPUT REPORTS

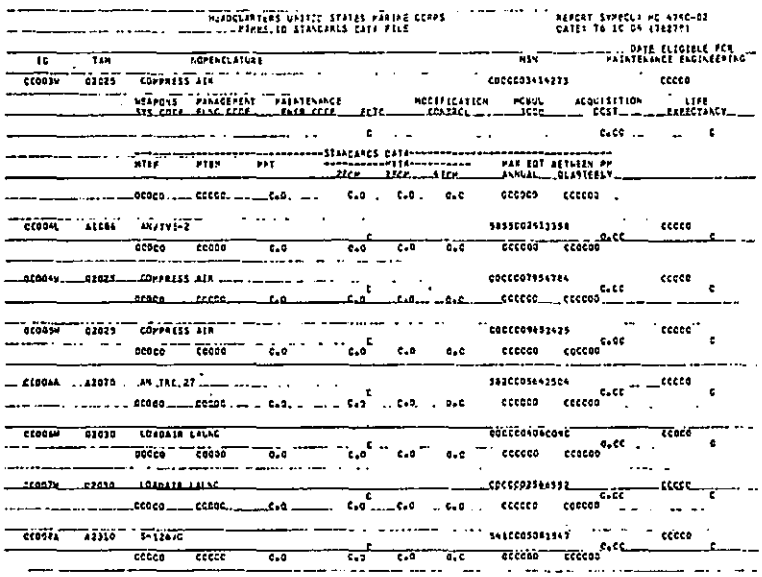
HEADQUARTERS UNITED STATES MARINE CORPS (LMS-5)
MODIFICATION INSTRUCTION STANDARDS FILE
EDIT LISTING

REPORT SYMBOL: 4790-01
DATE: 76119 PAGE: 004

1 2 3 4 5 6 7 8				ERROR MESSAGE
12345678901234567890123456789012345678901234567890123456789012345678901234567890				
112J703545A	00662CR	00010	9510001891846	PASSED EDIT
112320354A	00663BR	00010	95100018916468F	PASSED EDIT
112320354A	01113BR	00010	95100018916468F	PASSED EDIT
112320354A	01115CR	00010	95100018916468F	PASSED EDIT
112320154A	01116AR	00010	95100018916468D	PASSED EDIT
112320154A	01116BR	00010	95100018916468D	PASSED EDIT
112320354A	01399BR	00010	95100018916468M	PASSED EDIT
112320354A	01443CR	00010	95100018916468A	PASSED EDIT
112320354A	04547AR	00010	9510001891646	PASSED EDIT
112320354A	04559AR	00010	95100018916468Q8	PASSED EDIT
114510351	06129AR	00010	XQ	PASSED EDIT
114310351	06129CR	00010	XQ	PASSED EDIT
114310351	0725988	00010	JK	

Description. This report will provide the originator with visibility of all input transactions submitted and processed by the HMSS. A separate listing will be provided for each of the five different type input transactions. The transactions will be presented on the report in the identical format that they were entered into the system. The entries in the error message field of the report will indicate which transactions passed the edit criteria by the entry "PASSED EDIT" and those transactions which failed the edit criteria by providing narrative error messages.

Use. This report provides the HMSS coordinating office within Headquarters Marine Corps (Code LM) and the originator of the input transaction with a means to audit all transactions which were either accepted or rejected during HMSS processing. The narrative error messages for a transaction will identify the specific error(s) for the transaction which in turn will allow for the prompt resubmission of the corrected transaction by the originator. The transactions which successfully processed will also update the related system files which provides another means to audit the transaction.



Description. This report is a current listing, in ID number sequence, of all equipment types and their associated standards data resident in the ID standards file in the HMSS.

Use. The commodity managers by reviewing this report can ascertain whether the ID(s) and the associated data under their cognizance is current or requires updating through the submission of an appropriate ID standards data transaction.

HEADQUARTERS UNITED STATES MARINE CORPS (LMC-3)
MODIFICATION INSTRUCTION STANDARDS DATA FILE

REPORT SYMBOL: 4790-03
DATE: 1976 APR 28

EQUIP ID NUMBER	MOD INST NUMBER	URGENCY CODE	MEAN TIME TO MODIFY	NSN ID NUMBER	NSN WITH MRC	ALREADY SENT FLAG	TELR NBR	SERNO FROM	SERNO TO
070754	07075A151	R	4.0		5805001353110XJ		7	0000389031	0000389032
							8	0000389218	0000389218
							9	0000389344	0000389349
							10	0000389754	0000389754
							11	0000390030	0000390034
							12	0000391526	0000391528
							13	0000391544	0000391544
							14	0000391614	0000391614
							15	0000391748	0000391751
							16	0000392111	0000392112
							17	0000393513	0000393515
							18	0000393576	0000393576
							19	0000393790	0000393791
							20	0000394711	0000394711

Description. This report is a current listing in ID number and MI number sequence of all modification standards data resident in the MI standards file.

Use. The commodity managers at Headquarters Marine Corps and the modification control section by reviewing this report can ascertain whether the MI(s) and the associated data under their cognizance is current or requires updating through the submission of an appropriate MI standards data transaction.

HEADQUARTERS UNITED STATES MARINE CORPS (LPS-5)
EDIT STANDARDS DATA FILE

REPORT SYMBOL: 4790-04
DATE: 760503 (76124)

DEFECT CODE				JOB STATUS CODE		JOB IDENTIFICATION CODES			
1ST POS	ABBREV	2ND-3RD POS	ABBREV	CODE	ABBREV	1ST	ABBREV	2ND	ABBREV
	MAJ	01	ALGN	00	ANTO INS	0	RPR	0	A
A	ELT	02	BRK	01	FINL INS	1	INS	1	1
B	TRAN	03	CARB	02	INS PROG	2	CAL	2	D
C	PURP	04	CARR	03	INS COMP	3	RAN	3	O
D	PART	05	CONV	12	RPR PROG	4	MOD	4	N
E	AXLE	06	CONT	13	RPR COMP	5	FAB	5	S
F	SUSP	07	CYL	15	JOB CLOS	6	MFN		
G	TRAC	08	DIST	23	SHT TEST	7	OVH		
H	BODY	09	ELTR	24	UNIT RCL	8	SPN		
I	ARMT	10	GUY	25	SHT PART				
J	COOL	11	HOSE	26	SHT SPAC				
K	ELEC	12	HOUS	27	SHT TECH				
L	FUEL	13	INJCT	37	RIR SUB				
M	HYDR	14	MORV	38	EVC MECH				
N	AIR	15	OPTIC	39	EVC WASH				
O	TIRE	16	SEAL	40	SHT FUND				
P	FCOM	17	PUMP						
Q	IGNI	18	RECL						
R	LIFT	19	REG						
S	XMOC	20	SPRG						
T	SCIC	21	TORQ						
U	ANTL	22	STEER						
V	HORN	23	VALV						
W	DADI	24	TORS						
X	MTR	25	GLASS						
Y	WPNS	26	PAINT						
Z	LVTP	27	UNK						
1	ANSW	28	LK FM						
2	TEDD	29	GRAFT						
3	A/C	30	AUX						
		31	OVHL						

Description. This report is a current listing of the standards data resident in the edit standards file. The defect codes, job status codes, and job identification codes appearing on this report are displayed in alphanumeric sequence from top to bottom.

Use. The commodity managers at Headquarters Marine Corps and Code LPS by reviewing this report can ascertain whether the respective codes and the associated abbreviations require updating through the submission of the appropriate edit standards data transaction.

DATE: 06/08/76

REPORT SYMBOL: 4790-21

QUARTERLY MAJOR COMMAND MOD STATUS REPORT (W/2ND NAW)

ID	MI	NOMEN	UAC	NBR REQ	COMP	% COMP
00653D	23203545A	TRK M35A2C	23960	1	0	00
			TOTALS:	1	0	00
00658C	23203545A	TRK M49A2C'	23960	3	0	00
			TOTALS:	3	0	00
03443C	23203545A	TRK M36A2	23960	64	0	00
			TOTALS:	64	0	00
05865A	11245154	M-718 AMBULANC	23969	1	0'	00
	11245254.1	M-718 AMBULANC	23969	1	0	00
			TOTALS:	2	0	00
			GRAND TOTALS:	70	0	00

Description. This report is displayed in using unit sequence for each major command to show the status of the application of a specific MI. The application status is shown for each unit for each ID, indicating the number of modifications required, number completed, and percent completed. Totals are shown for each ID affected by the modification, and a grand total is displayed which provides the overall status of the modification application of a specific MI for the affected items of the major command.

Use. This report provides the commodity managers with the necessary information to effectively monitor the modification control program in the field.

DATE: 06/08/76

REPORT SYMBOL: 4790-20

MIMMS MAINTENANCE MANPOWER UTILIZATION REPORT

ASC 53

FIELD MAINTENANCE UAC HQBN

OWNER UAC	HQBN		AVERAGE MHS PER MONTH
MISC (NO WSC)			41.7
WSC AX		AN/TSC-15	26.2
WSC DC		AN/MRC-83A	1.7
WSC DE		AN/MRC-110	0.5
WSC DH		AN/PRC-47	9.7
WSC DK		AN/PRC-75	9.3
WSC DT		AN/MRC-135	5.4
WSC ES		AN/GSC-3	0.7
WSC FS		AN/UPN-32	0.8
WSC SS		AN/PRC-77	2.5
SUB-TOTAL FOR OWNER UAC			89.5
TOTAL FOR FIELD MAINTENANCE UAC			89.5

Description. This report provides information on the military labor hours expended at intermediate (third and fourth echelons) maintenance activities in support of Marine Corps ground equipment by ASC. This report provides visibility on the military labor hours expended by the intermediate maintenance activity on a monthly average per type (MSC) of equipment for each supported unit.

Use. The report is used to indicate types of equipment at a specific unit requiring intermediate maintenance support and the military man-hours expended to support these items. Comparative statistics with similar units may indicate trends. Some trends could indicate unsatisfactory organizational maintenance or that an item of equipment is not cost-effective to maintain.

REPORT SYMBOL: 4790-09

DATE: 02/26/76

MIMMS SECONDARY REPARABLE EXPENSE SUMMARY

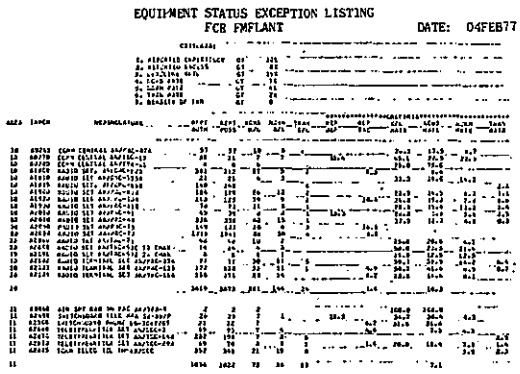
OWNER UAC MFAC1

NSN	CAT-CODE	NOMENCLATURE	NUMBER INDUCTED	NUMBER WASHOUT	NUMBER REPAIRED	WASHOUT EXPENSE	REPAIRED EXPENSE	MRR	RR	RCT	URP
5821008154188	D	AN-1529									
PAST QTR			1	0	1	$0.00	$10.18	.33	.33	30	$10.18
PAST YR			1	0	1	$0.00	$10.18	.08	.08	30	$10.18
5821006159655	D	AN-1526									
PAST QTR			0	0	0	$0.00	$0.00	.00	.00	0	$0.00
PAST YR			2	0	2	$0.00	$6.18	.17	.17	30	$3.18
5821006159657	D	AN-1528									
PAST QTR			4	0	4	$0.00	$0.00	1.33	1.33	30	$0.00
PAST YR			4	0	4	$0.00	$0.00	.33	.33	30	$0.00

<u>Description</u>. This report is a listing by maintenance float activities in NSN sequence by category code of all secondary reparables held by that maintenance float activity which have been inducted for repair during the past quarter. The report provides quantitative, statistical, and cost information on the repair of the specific secondary reparable with comparative data provided on the same item for the past year.

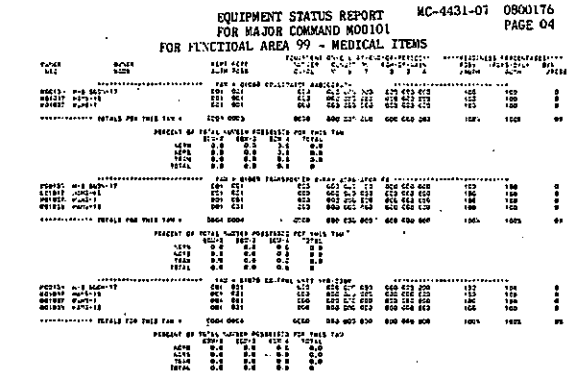
<u>Use</u>. This report provides information on the maintenance repair rates, repair rates, and repair cycle times of a specific secondary reparable, the cost of repair, and the failure of the item.

EQUIPMENT STATUS EXCEPTION LISTING
FOR FMFLANT DATE: 04FEB77



Description. This report is a listing by management functional area code and TAMCN of all MIMMS readiness reportable items. The listing provides the quantities authorized, possessed, deadlined NORS, deadlined NORM, and deadlined TRANSIT for each item. For each item that exceeds the criteria for deficiency, excess, deadline, NORS, NORM, and TRANSIT cited in the report heading the percentages for these rates are also printed.

Use. Provides the user an exception report to assist in identifying which items are exceeding the established readiness criteria within a given functional group.

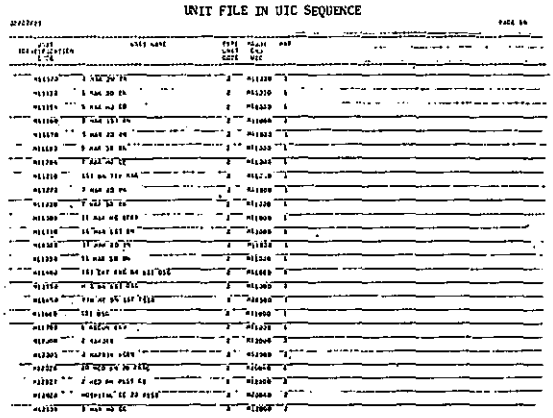


EQUIPMENT STATUS REPORT MC-4431-07 0800176
FOR MAJOR COMMAND M00101 PAGE 04
FOR FUNCTIONAL AREA 99 - MEDICAL ITEMS

Description. This report is the detailed version of the equipment status exception report (page B-9). The report depicts for each MIMMS readiness reportable item TAMCN and owner UIC the number authorized, possessed, on deadline, NORN, NORS, TRANS, EOM (2, 3, or 4), and percentages. Also, the totals for each TAMCN are presented.

Use. When problem areas are identified by the exception report, this report may be used to further determine whether the problem exists in all units and at what echelons.

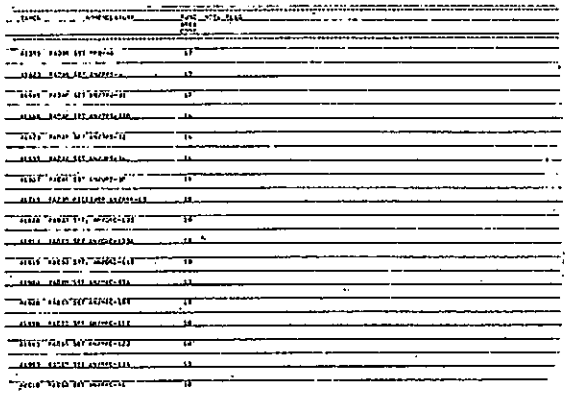
UNIT FILE IN UIC SEQUENCE



Description. A listing of all MDMS readiness reportable units in UIC sequence. For each entry, the UIC, unit name, unit code, major command UIC, and parent MAF are displayed.

Use. A standards file of readiness reportable units.

HEADQUARTERS UNITED STATES MARINE CORPS 12/30/76
MCBUL 3000 REPORTABLE TAMCN FILE
REPORT SYMBOL: MC 4790-XX



Description. A listing of all MIDMS readiness reportable items in TAMCN sequence.

Use. A standards file of equipment which have been designated readiness reportable.

DATA ELEMENTS

This Appendix lists data elements appearing on HMSS input transactions which are resident in the HMSS data base and appearing on preformatted HMSS output reports. The format column contains the legal character combinations and length acceptable for system processing. The codes for the acceptable character types are "A" for an alphabetic character, "9" for a numeric character, "X" for an alphanumeric character, with special characters included where applicable. Prior to any MARK IV application, the HMSS user should refer to the HMSS file definition glossary contained in Appendix Q as well as the contents of this Appendix.

Data Element and Definition	Label	Format
STANDARD UNIT PRICE	SUP	9,999,999.99

Definition. The standard unit price for one item of equipment type as obtained from supply sources. The storage format is a five-position packed field.

ACTION CODE	ACT	A or AA

Definition. The code is used to signal the type of HMSS data base action to be accomplished by the input. Valid codes for the unit data and TAM data transaction are "A" (add), "C" (change), and "D" (delete). Valid codes for the MI standards data "15" transaction type are "SA" (add), "SC" (change), or "SD" (delete).

ACTIVE RECORD FLAG	ACTIVE-REC	X

Definition. A one-character code used to indicate whether a specific record on the master equipment file is an active or inactive record. An active record is one where the item of equipment is in the MIMMS AIS inventory and maintenance engineering analysis data is being gathered.

Data Element and Definition	Label	Format
ADVICE CODE	ADV	XX

Definition. A code used to identify the means by which a repair part was obtained by a maintenance activity in the performance of equipment maintenance on a MIMMS-managed equipment type.

AUTOMATED SERVICES	ASC-CODE	99

CENTER CODE

Definition. A unique code which identifies the data processing installation, in the FMSS, at which the data for a specified record entered the MIMMS AIS.

CATEGORY CODE	CAT	A

Definition. A code that identifies the category under which an equipment was repaired.

CIVILIAN LABOR CHARGES	CIV-LAB-CHG	9,999.99

Definition. The accumulated civilian labor charges incurred for the repair of an item as related to an ERO. The storage format is a four-position packed field on the history file.

COMMODITY FLAG	COM-FLAG	XX

Definition. See MANAGEMENT FUNCTIONAL CODE.

CROSS-REFERENCE EQUIPMENT REPAIR ORDER	X-REF-1/X-REF-2	AXXXX

Definition. For a record on the history file, the cross-reference field ERO numbers indicate that there are other ERO's related to the maintenance action initiated by the ERO number entry in the ERO-NO field. For a total description of a maintenance action, an ERO and all its cross-reference ERO's must be accessed. One ERO can be related to two other ERO's. All of the ERO's must relate to the item initially submitted for repair.

Data Element and Definition	Label	Format
DATE AUTHORIZED	A-P-DATE	XXXXX

Definition. The ordinal date on which the latest TAM authorization became effective for a unit owning such equipment.

DATE CLOSE	DATE-CLOSE	9999

Definition. The Julian date when the related ERO was returned from the maintenance activity. The storage format is a three-position packed field on the history file.

DATE ELIGIBLE FOR MAINTENANCE ENGINEERING ANALYSIS	MEA-DATE	99999

Definition. The ordinal date on which an equipment type was flagged for maintenance engineering analysis (MEAFLAG). In the MIMMS AIS, maintenance engineering analysis data is collected beginning from this date to the present.

DATE JOINED	DATE-JOIN	9999

Definition. The Julian date on which the related master equipment record was created for the ID number and serial number. The storage format is a three-position packed field.

DATE MODIFICATION INSTRUCTION COMPLETED	MI-DATE	99999

Definition. The ordinal date (e.g., 75103) on which an applicable MI was completed for a serially managed item of equipment. Completed modifications to an item of equipment in the MIMMS AIS inventory are registered on trailer records to a prime master equipment file record.

Data Element and Definition	Label	Format
DATE OF LAST PREVENTIVE MAINTENANCE ACTION	DATE-LAST-PM	9999999

Definition. The date on which the last preventive action was performed on a serially managed item of equipment. The storage format is a four-position packed field.

DATE POSSESSED	A-P-DATE	XXXXX

Definition. The latest ordinal date on which the number of equipments of a reportable TAM number possessed by a unit was reported to the system.

DATE RECEIVED	DATE-RCVD	9999

Definition. The Julian date on which a repair part was received for an ERO in a maintenance activity. The storage format is a three-position packed field in the history file.

DATE RECEIVED IN SHOP	DRIS	9999

Definition. The Julian date that the equipment, on which the ERO was opened, was received in a maintenance shop for repair. The storage format is a three-position packed field on the history file.

DATE RECORD ESTABLISHED	DATE-REC-EST	99999

Definition. The ordinal date on which the specific record in the data base was created.

DATE RECORD LAST UPDATED	DATE-LAST-UPD	99999

Definition. The ordinal date on which the specific data base record was last updated.

DATE REPORT EXTRACTION	DATE	XXXXXX

Definition. The year, month, and day of the month on which HMSS report data was extracted from FMSS files.

Data Element and Definition	Label	Format
DATE T/E AUTHORIZATION	TE-DATE	XXXXX

Definition. The ordinal date on which the latest table of equipment (T/E) authorization of a TAM number became effective for an owning unit.

DEADLINE CONTROL DATE	DCD	9999

Definition. The Julian date on which an equipment, submitted for repair on the ERO, was deadlined. The storage format is a three-position packed field on the history file.

DEADLINED EQUIPMENT LABEL	DE-LABEL	XXXXX

Definition. This entry will indicate whether an equipment is deadlined for administrative reasons or for an equipment failure. The two acceptable entries, respectively, are "ADMIN" and "TAMCN."

DEFECT CODE	DEF-CDE	X99

Definition. A three-character code used to relate a maintenance action performed to an equipment which was repaired. The first position will identify the subsystem of an equipment being repaired, and the last two digits will list the component within the subsystem which is being repaired. A listing of these codes is presented in Appendix Q.

DELETE DATE	DEL-DATE or DEL-DTE	XXXXX

Definition. The ordinal date on which an equipment asset was deleted from a unit's inventory of readiness reportable equipments or when an equipment was removed from a deadline status.

DEPLOYMENT IDENTIFICATION CODE	DEP-ID	X

Definition. A one-character code specifying that an equipment is in deployed status.

Data Element and Definition	Label	Format
ECHELON OF MAINTENANCE	EOM	9

Definition. A code used to indicate the EOM activity which performed the requested equipment maintenance.

EQUIPMENT OPERATING TIME CODE	EOTC	A

Definition. A one-character code used to indicate the primary units with which the operating time of an equipment type is measured. Valid codes are "D" (days), "H" (hours), "M" (miles), and "R" (rounds).

EQUIPMENT REPAIR ORDER NUMBER	ERO-NO	AXXXX

Definition. A unique control number assigned by a maintenance activity to a request for maintenance. The ERO-NO and its related cross-reference ERO numbers are used to distinguish one maintenance action from another unrelated maintenance action.

ERROR MESSAGES

Definition. A message indicating an error or exception detected on an input transaction by HMSS processing.

INTERMEDIATE MAINTENANCE UNIT ADDRESS CODE		XXXXXX

Definition. The address code of an intermediate maintenance unit which repaired an equipment type being reported on the maintenance manpower utilization report.

HOLDER UNIT IDENTIFICATION CODE	HOLD-UIC	XXXXXX

Definition. The address code of a maintenance unit repairing a readiness reportable item of equipment.

Data Element and Definition	Label	Format
INACTIVE RECORD DATE	INACTIVE DATE	99999

Definition. The ordinal date (e.g.,75103) on which a record in the master equipment file became inactive for the related serially managed item of equipment. A record becomes inactive when the item of equipment is deleted from the MIMMS AIS inventory or when maintenance engineering analysis data is no longer required to be collected for the equipment type.

ITEM DESIGNATOR NUMBER	ID-NO	99999A

Definition. A unique number used to classify equipments into groups of related equipment types. Used in the MIMMS AIS to indicate equipment types which are managed by the system.

JOB IDENTIFICATION CODE	JOB-ID	99

Definition. A two-digit code used to identify the type of repair action taken and the type of activity performing the maintenance. A listing of these codes is presented in Appendix Q.

JOB STATUS CODE	JOB-STAT	99

Definition. A two-digit code used to describe the maintenance production status of equipment in a maintenance cycle. A listing of these codes is presented in Appendix Q.

LAST ANNUAL PREVENTIVE MAINTENANCE ACTION	LST-ANN-PM-DATE	9999/999999

Definition. See LAST FAILURE. The entry in this field pertains to the last annual PM action performed on the equipment.

LAST CORRECTIVE MAINTENANCE	LAST-CM	9999/999999

Definition. See LAST FAILURE. The entry in this field pertains to the last CM action performed on the equipment.

Data Element and Definition	Label	Format
LAST FAILURE	LAST-FLR	9999/999999

Definition. If the EOTC of the equipment type is "D" (days), then the entry in this field will contain the Julian date of the last failure action associated with the ID/SERNO. Otherwise, this field will contain the primary meter reading at the time of the last equipment failure. The storage format is a four-position packed field.

LAST MAINTENANCE	LAST-MAINT	9999/999999

Definition. See LAST FAILURE. The entry in this field pertains to the last maintenance action performed on the equipment type and is not dependent on the type of maintenance action (failure, CM, PM, or MOD).

LAST QUARTERLY PREVENTIVE MAINTENANCE ACTION	LAST-QTR-PM-DATE	9999/999999

Definition. See LAST FAILURE. The entry in this field pertains to the last quarterly preventive maintenance action performed on the equipment.

LAST RUN DATE	LST-R-DT	XXXXX

Definition. The ordinal date on which the specified data base record was last updated.

MAINTENANCE ENGINEERING ANALYSIS FLAG	MEA-FLAG	A

Definition. For an equipment type by ID number managed in the MIMMS AIS, this flag will indicate the type of maintenance production data which is collected. There are four flag types: "A," "B," "C," and "D." A "B" flag indicates that failure analysis data is collected, a "C" flag indicates that repair parts analysis data is collected, a "D" flag indicates that reliability/maintainability analysis data is collected, and an "A" flag indicates that all of the preceding data is collected.

Data Element and Definition	Label	Format
MAINTENANCE MAN-HOURS	MAN-HRS	999.9

Definition. As used in the history file, this data element indicates the quantity of labor hours used in performing the maintenance task described by the related defect code. The storage format is 9999 with an implied decimal point and represents the number of hours required to perform a task.

MAINTENANCE FLOAT IDENTIFICATION CODE	M-FLT-ID	X

Definition. A one-character code which identifies the readiness reportable equipment as one being owned by a maintenance float.

MAINTENANCE REPLACEMENT RATE	MRR	XXX.XX

Definition. For a specified time interval, the average number of times that a secondary reparable was replaced for an end item equipment failure.

MAJOR COMMAND ADDRESS CODE		XXXXXX

Definition. A six-character alphanumeric field which identifies the parent major command of a readiness reportable unit.

MAJOR COMMAND INDICATOR CODE FOR THE EQUIPMENT OWNER	MCI-OWNER	A

Definition. A unique one-character code entered on a master equipment file record to identify the major command in the chain of command of the owner of a serially managed equipment.

MAJOR COMMAND UNIT IDENTIFICATION CODE		XXXXXX

Definition. See MAJOR COMMAND ADDRESS CODE.

Data Element and Definition	Label	Format
MANAGEMENT FUNCTIONAL CODE	FUNCTION	99

Definition. A two-digit code indicating the functional area within which an equipment type is employed; e.g., tracked ordnance, artillery, air command/control, infantry weapons, etc.

MARINE AMPHIBIOUS FORCE CODE	MAF-CODE	X

Definition. A one-character code identifying the parent MAF of a readiness reportable unit.

MATERIAL EXPENSE FOR CORRECTIVE MAINTENANCE, LTD LIFE-TO-DATE	MATL-EXP-CM-	99,999.99

Definition. For a specific item of equipment, identified by an ID number and serial number, this data element will contain the total material expense incurred, since the item joined the MIMMS AIS inventory, for the performance of CM on the item. The storage format is a four-position packed field.

MATERIAL EXPENSE FOR PREVENTIVE MAINTENANCE, LTD LIFE-TO-DATE	MATL-EXP-PM-	99,999.99

Definition. For a specific item of equipment, identified by an ID number and serial number, this data element will contain the total material expense incurred, since the item joined the MIMMS AIS inventory, for the performance of PM on the item. The storage format is a four-position packed field.

MATERIAL USAGE CODE	MATL-USE	9

Definition. A one-character code used to indicate the type of maintenance action which required the expenditure of the repair part. Valid codes are "7" (CM), "8" (modification maintenance), or "9" (PM). The code is the first position of the serial number segment of the requisition document number field.

Data Element and Definition	Label	Format
MAXIMUM TIME BETWEEN ANNUAL PREVENTIVE MAINTENANCE	ANN-PM	999999

Definition. The maximum allowable equipment operation, expressed in units of the primary meter (EOTC), between requirements to perform an annual PM action on the item of equipment.

MAXIMUM TIME BETWEEN QUARTERLY PREVENTIVE MAINTENANCE	QTRLY-PM	999999

Definition. Same as for MAXIMUM TIME BETWEEN ANNUAL PREVENTIVE MAINTENANCE, except that the timeframe is one-fourth of the annual equipment operating time.

MEAN MAINTENANCE TIME	MMT	99999

Definition. The average number of maintenance man-hours required to repair an equipment once it is submitted to a maintenance activity. The storage format is a three-position packed field. MMT is computed as follows:

$$MMT = \frac{\text{Sum of Maintenance Man-Hours (PM and CM)}}{\text{Number of Maintenance Actions (PM and CM)}}$$

MEAN TIME BETWEEN FAILURES	MTBF	99999

Definition. The average equipment operation between equipment failure actions. Units of equipment operation are expressed by the EQUIPMENT OPERATING TIME CODE for the equipment type. The storage format is a three-position packed field. MTBF is computed as follows:

$$MTBF = \frac{\text{Sum of EOT Between Failures.}}{\text{Number of Failure Actions}}$$

Data Element and Definition	Label	Format
MEAN TIME BETWEEN MAINTENANCE	MTBM	99999

Definition. The average equipment operation between maintenance actions. Units of equipment operation are expressed by the EQUIPMENT OPERATING TIME CODE for the equipment type. The storage format is a three-position packed field. MTBM is computed as follows:

$$MTBM = \frac{\text{Sum of EOT Between Maintenance Actions}}{\text{Number of Maintenance Actions}}$$

MEAN TIME TO REPAIR	MTTR	99999

Definition. The average number of maintenance man-hours expended in repairing an item which requires CM. The storage format is a three-position packed field. MTTR is computed as follows:

$$MTTR = \frac{\text{CM Man-Hours}}{\text{Number of CM Actions}}$$

SECOND ECHELON OF MAINTENANCE		

Definition. Same as MEAN TIME TO REPAIR, except that only second echelon maintenance is considered.

MEAN TIME TO REPAIR THIRD ECHELON OF MAINTENANCE	MTTR-3	99999

Definition. Same as MEAN TIME TO REPAIR, except that only third echelon maintenance is considered.

Data Element and Definition	Label	Format
MEAN TIME TO REPAIR FOURTH ECHELON OF MAINTENANCE	MTTR-4	99999

Definition. Same as MEAN TIME TO REPAIR, except that only fourth echelon maintenance is considered.

METER READING	METER	999999

Definition. The meter reading, as expressed in units of EOTC, of MIMMS AIS-managed equipment at the time the equipment was inducted into the maintenance cycle. Each MIMMS AIS-managed equipment will have a designated meter which will indicate the EOT of the equipment. A meter reading is always associated to serialized equipment.

MILITARY LABOR HOURS	MIL-LAB-HRS	99999

Definition. For each unique ERO on the history file, this field will contain the accumulated military maintenance man-hours incurred in the completion of the requested maintenance.

MISC (NO WSC)

Definition. A category on the maintenance manpower utilization report which contains reportable data for all equipments which do not possess a WSC.

MODIFICATION INSTRUCTION NUMBER	MI-NBR	XXXXXXXXXXXXX

Definition. A unique number identifying a modification applicable to or completed on an equipment type, by ID number. The field entry is left-justified, and all special characters are removed.

NATIONAL STOCK NUMBER	NSN	XXXX-XX-XXX-XXXX

Definition. A unique number, assigned within the supply system, to identify an equipment repair part or a modification kit associated with an applicable MI. Input and storage format for the NSN is without the dashes.

Data Element and Definition	Label	Factor
NOMENCLATURE	NOMEN	50 (X)

Definition. The entry for this data element identifies an equipment type by a name which is more understandable than some of the codes used to identify an equipment type.

NUMBER AUTHORIZED	REP-AUTH	XXX

Definition. The number of equipments of a specified TAM number authorized for a unit to possess.

NUMBER INDUCTED

Definition. See QUANTITY INDUCTED.

NUMBER MODIFICATIONS COMPLETED

Definition. For a unit required to apply specified modifications, the number of required modifications which have been applied.

NUMBER MODIFICATIONS REQUIRED

Definition. Upon being notified of the requirement to apply a specified modification, the number of modifications required to be performed on an owning unit's equipment.

NUMBER OF CORRECTIVE MAINTENANCE ACTIONS LIFE-TO-DATE	NBR-CM-ACT-LTD	99999

Definition. Since joining the MIMMS AIS inventory, the total number of times that a serially managed item of equipment required CM. This data element consists of failure actions and those which do not constitute an equipment failure but still require CM. The storage format is a three-position packed field.

Data Element and Definition	Label	Format
NUMBER OF FAILURE ACTIONS, LIFE-TO-DATE	NBR-FLR-ACT-LTD	99999

Definition. The total number of times that a serially managed item of equipment, while in the MIMMS AIS inventory, failed to perform its mission and required CM. The storage format is a three-position packed field.

NUMBER OF PREVENTIVE MAINTENANCE ACTIONS, LIFE-TO-DATE	NBR-ACT-PM-LTD	99999

Definition. Since joining the MIMMS AIS inventory, the total number of times that a serially managed item of equipment experienced a PM action. The storage format is a three-position packed field.

NUMBER OF TASKS	NBR-TASKS	999

Definition. A field on the history file used to indicate, for a specified defect code, the number of times that a maintenance action associated with the defect code was performed in repair of the equipment associated with the ERO.

NUMBER OF TRAILERS	NBR-TRLRS	99

Definition. A number used to indicate the quantity of associated "15" transaction submissions to an "11" transaction type.

NUMBER REPAIRED

Definition. The number of secondary reparables repaired for the last calendar quarter and the last year. The entry is computed as follows:

Number Inducted - Number of Washouts

NUMBER UNSERVICEABLE	NBR-UNSVC	99

Definition. For an ERO, this entry indicated the number of secondary reparable items inducted which were washed out during the repair cycle.

Data Element and Definition	Label	Format
NUMBER T/E AUTHORIZATION	TE-AUTH	XXX

Definition. For a specified unit, the number of equipments of a TAM number authorized by T/E.

NUMBER OF WASHOUTS

Definition. See NUMBER UNSERVICEABLE.

OPERATING LIFE EXPECTANCY	OP-LIFE	999999

Definition. The maximum expected operating life of an item of equipment, to include rebuild, expressed in units of the primary meter (EOTC for the equipment type. This data is normally computed before an equipment type joins the MIMMS AIS inventory. The storage format is a four-position packed field.

OWNER ACTIVITY ADDRESS CODE	OWNER-AAC	99999

Definition. The activity address code which identifies the owning unit of an item of equipment.

OWNER UNIT ADDRESS CODE

Definition. See OWNER ACTIVITY ADDRESS CODE.

PARTS CHARGE	PARTS-CHG	999,999.99

Definition. The accumulated cost of repair parts, per ERO, used to repair an item of equipment.

PART COUNT	PART-CNT	99

Definition. Used on the history file to identify the number of repair part trailer records associated with an ERO number.

Data Element and Definition	Label	Format

PERCENTAGE OF MODIFICATIONS COMPLETED

Definition. An entry on the modification status report computed as follows:

$$\frac{\text{Number MOD's Completed X 100}}{\text{Number MOD's Required}}$$

PRIORITY	PRI	99

Definition. A two-digit code used in the history file to indicate the priority under which the required maintenance was requested.

QUANTITY INDUCTED	QTY-IND	99

Definition. The total number of items of equipment submitted for repair on an ERO.

QUANTITY OF REPAIR PARTS RECEIVED	QTY	99999

Definition. The number of repair parts received, under a specific requisition document number for an ERO. The storage format is a three-position packed field.

READINESS FLAG	READY-FLAG	A

Definition. A flag used to indicate whether a specific equipment type, by ID number, is or is not logistics readiness reportable in accordance with the Marine Corps bulletin in the 3000 series.

RECORD IDENTIFICATION	REC-ID	X

Definition. A one-character code used to flag a logistics readiness file record as containing asset, equipment deadline, or remark-type data.

REMARK	REMARK	C(33)

Definition. A remark entered on the logistics readiness file.

Data Element and Definition	Label	Format
REMARKS DATE	R-DATE	XXXXX

Definition. The ordinal date on which the REMARK entry on the logistics readiness file became effective.

REPAIR CYCLE TIME	RCT	999

Definition. An entry on the secondary reparable expense summary report which indicates the average number of days required to repair a specified secondary reparable.

REPAIR RATE	RR	999

Definition. The number of secondary reparables repaired for a specified time interval.

REPAIRED EXPENSE	R-EXP	99,999.99

Definition. The total materiel expense incurred to repair secondary reparables being reported on the secondary reparable expense summary report.

REPORT STATUS	REP-STAT	X

Definition. A one-character code used on the logistics readiness file to indicate the readiness status of the equipment being reported.

REPORT SYMBOL	RPT-SYMBOL	AAX9999X99

Definition. Each preformatted HMSS report has a unique report symbol which appears in the upper right-hand corner of the report. For the MIMMS AIS only, the last two digits differ on each report.

REQUISITION DOCUMENT NUMBER	DOC-NO	X999999999999

Definition. The identifying number of a document used to obtain a repair part from a source of supplies. The first five positions indicate the unit submitting the request, the next four positions indicate the Julian date on which the request was made, and the last four positions contain

Data Element and Definition	Label	Format

the document serial number. The first digit of the document serial number is the material usage code for the document.

SECONDARY ITEM DESIGNATOR — SEC-ID — X

Definition. A one-character code indicating whether the EQUIPMENT ITEM DESIGNATOR entry on the logistics readiness report is or is not the primary equipment ID for the equipment type identified by the TAM NUMBER entry.

SECONDARY REPARABLE CATEGORY CODE — CAT — A

Definition. A one-character code on the secondary reparable expense summary report which indicates the classification of the secondary reparable; e.g., "D" for depot reparable.

SECONDARY REPARABLE CODE — SEC-REP-CODE — X

Definition. A code used on the history file to indicate records which represent a maintenance action performed in repair of a secondary reparable item of equipment. Within such a record, the NSN field entry identifies the item repaired.

SERIAL NUMBER — SERNO — XXXXXXXXXX

Definition. A number assigned to an item of equipment to distinguish it from all other items of the same equipment type in the MIMMS AIS inventory of equipments.

STANDARD REPLACEMENT PRICE — SRP — 99,999.99

Definition. An entry on the secondary reparable expense summary report of the average materiel expense incurred in maintaining a secondary reparable in the float inventory.

Data Element and Definition	Label	Format
STANDARD MAXIMUM TIME BETWEEN ANNUAL PREVENTIVE MAINTENANCE	STD ANN-PM	999999

Definition. The standard maximum allowable equipment operation, expressed in units of the primary meter (EOTC), between requirements to perform an annual PM action on the item of equipment.

STANDARD MAXIMUM TIME BETWEEN QUARTERLY PREVENTIVE MAINTENANCE	STD QTRLY-PM	999999

Definition. Same as for STANDARD MAXIMUM TIME BETWEEN ANNUAL PREVENTIVE MAINTENANCE, except that the timeframe is one-fourth of the annual EOT.

STANDARD MEAN MAINTENANCE TIME	STD MMT	99999

Definition. The standard average number of maintenance man-hours required to repair an equipment once it is submitted to a maintenance activity. The storage format is a three-position packed field. Standard MMT entered based on maintenance engineering analysis.

STANDARD MEAN TIME BETWEEN FAILURES	STD MTBF	99999

Definition. The standard average equipment operation between equipment failure actions. Units of equipment operation are expressed by the EQUIPMENT OPERATING TIME CODE for the equipment type.

STANDARD MEAN TIME BETWEEN MAINTENANCE	STD MTBM	99999

Definition. The standard average equipment operation between maintenance actions. Units of equipment operation are expressed by the EQUIPMENT OPERATING TIME CODE for the equipment type. The standard is developed through maintenance engineering.

Data Element and Definition	Label	Format
STANDARD ANALYSIS TIME TO MODIFY	MTTM	999.9

Definition. A standard time provided on an MI to assist maintenance managers in scheduling the application of a required modification. The storage format is a three-position packed field. The units of measurement of the MTTM are man-hours.

STANDARD MEAN TIME TO REPAIR	MTTR	99999

Definition. The standard average number of maintenance man-hours expended in repairing an item which requires CM. The standard is developed through maintenance engineering analysis.

STANDARD MEAN TIME TO REPAIR SECOND ECHELON OF MAINTENANCE	STD MTTR-2	99999

Definition. Same as STANDARD MEAN TIME TO REPAIR, except that only second echelon maintenance is considered.

STANDARD MEAN TIME TO REPAIR THIRD ECHELON OF MAINTENANCE	STD MTTR-3	99999

Definition. Same as STANDARD MEAN TIME TO REPAIR, except that only third echelon maintenance is considered.

STANDARD MEAN TIME TO REPAIR FOURTH ECHELON OF MAINTENANCE	STD MTTR-4	99999

Definition. Same as STANDARD MEAN TIME TO REPAIR, except that only fourth echelon maintenance is considered.

STATUS DATE	STAT-DTE	XXXXX

Definition. The original date of the latest equipment readiness status being reported.

Data Element and Definition	Label	Format
STATUS HOUR	STAT-HR	XX

Definition. The hour on the STATUS DATE of the occurrence of the reportable event.

SUM OF EQUIPMENT OPERATING TIME BETWEEN CORRECTIVE MAINTENANCE, LIFE-TO-DATE	SUM-EOT-CM	999999999

Definition. Each time that a serially managed item of equipment experiences a CM action, its operating time since the last CM action is added to the field. Values for this data element are gathered from the date the item joined the MIMMS AIS inventory. The storage format is a four-position packed field.

SUM OF EQUIPMENT OPERATING TIME BETWEEN FAILURE, LIFE-TO-DATE	SUM-EOT-FLR-LTD	999999999

Definition. Each time that a serially managed item of equipment experiences a failure, its operating time since the last failure action is added to this field. Values for this data element are gathered from the date that the item joined the MIMMS AIS inventory. The storage format is a four-position packed field.

SUPPLY STATUS CODE	SUP-STAT	XX

Definition. A code used to indicate the status of a requisition for a repair part.

TABLE OF AUTHORIZED MATERIEL NUMBER	TAM	A9999

Definition. A number used within the Marine Corps to identify groups of end items of equipments which have similar functions.

Data Element and Definition	Label	Format
TOTAL CIVILIAN LABOR EXPENSE	TOT-CIV-LAB-EXP	9,999,999.99

Definition. This data element contains the summation of all CIVILIAN LABOR CHARGE expenses incurred for an item of equipment since it joined the MIMMS AIS inventory of serially managed equipment. The storage format is a four-position packed field.

TOTAL EQUIPMENT OPERATING TIME	TOT-EOT	999999

Definition. For a specific item of equipment identified by an ID number and serial number, this data element will indicate the total operating time of the equipment since it joined the MIMMS AIS inventory. The EOTC for the equipment type will indicate the units of measurement.

TOTAL MILITARY LABOR HOURS	TOT-MIL-LAB-HRS	999,999.9

Definition. This data element contains the summation of all MILITARY LABOR HOURS expended in maintaining a serially managed item of equipment since it joined the MIMMS AIS inventory. The storage format is a four-position packed field.

TRAILER COUNT	TRLR-CNT	99

Definition. Same use as PART COUNT, except that it is used on the master equipment file to identify a complete modification trailer record.

TRAILER NUMBER	TRLR-NBR	99

Definition. Used on the MI transaction to uniquely identify a "15" transaction type or on the MI standards file to identify a trailer record associated with a "15" transaction type submission.

Data Element and Definition	Label	Format
TRANSACTION CODE	TRANS-CODE	99/XX9

Definition. A two- or three-character code used by the HMSS to initiate specific procedures for processing of input data.

TYPE LAST PREVENTIVE MAINTENANCE ACTION	TYPE-LAST-PM	A

Definition. A one-character code associated with the DATE LAST PREVENTIVE MAINTENANCE ACTION and indicating the type of the last PM action performed on a serially managed item of equipment.

TYPE OF UNIT CODE		X

Definition. A one-position numeric code which identifies a readiness reportable unit as an FMF, maintenance float, Reserve, or FSA type of unit.

UNIT IDENTIFICATION CODE		

Definition. See OWNER ACTIVITY ADDRESS CODE.

UNIT NAME		X(33)

Definition. The English name associated to a readiness reportable unit identification code.

UNIT OF ISSUE	UI	AA

Definition. A code used to indicate the quantity of dispensing a single unit of an item of supply.

URGENCY CODE	URG	A

Definition. A code used to indicate whether a modification is of an urgent or routine nature.

USING UNIT ADDRESS CODE		

Definition. See OWNER ACTIVITY ADDRESS CODE.

Data Element and Definition	Label	Format

WASHOUT EXPENSE

Definition. An entry on the secondary reparable expense summary report indicating the cost of replacing secondary reparables which were "washed out."

WEAPONS SYSTEM CODE WSC XX

Definition. A two-character code which relates the repair parts on order to a TAM number of a major end item. See the current Marine Corps bulletin in the 3000 series for valid WSC's.

APPENDIX D

ID STANDARDS FILE

This Appendix lists the data elements resident on the ID standards file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the ID standards file is contained in Appendix Q.

Data Elements

ID Number

TAM Number

Nomenclature

Acquisition Cost

WSC

NSN

Standard Mean Time Between Failure

Standard Mean Time Between Maintenance

Standard Mean Maintenance Time

Standard Mean Time To Repair, Second Echelon

Standard Mean Time To Repair, Third Echelon

Standard Mean Time To Repair, Fourth Echelon

Primary EOTC

Operating Life Expectancy

Readiness Flag

Maintenance Engineering Analysis Code

Date Eligible Maintenance Engineering Analysis

Maximum Time Between Annual PM

Data Elements (cont.)

Maximum Time Between Quarterly PM

Modification Control Flag

Management Functional Codes (Refer to MCO 3000.12)

APPENDIX E

MI STANDARDS FILE

This Appendix lists the data elements resident on the MI standards file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the MI standards file is contained in Appendix Q.

Data Elements

MI Number

ID Number

Urgency Code

Date of Last Update

Date the Record was Established

Standard Time to Modify

New ID Number Resulting From Application of the Modification (New ID)

Modification Kit NSN (NSN)

Weapon Systems Code

Trailer Count

MI Standards File Trailer Record

Trailer Number

Serial Number From

Serial Number To

APPENDIX F

EDIT STANDARDS FILE

This Appendix lists the data elements which comprise the edit standards file. The edit standards file consists of five tables of valid codes and abbreviations. Appendix C contains the associated data element label and field structure, as well as a definition for the data element.

Data Elements

Table of First Characters of the Defect Code

Defect Code First Character

Defect Code First Character Abbreviation

Table of Second and Third Characters of the Defect Code

Defect Code Second and Third Characters

Defect Code Second and Third Characters Abbreviation

Table of Job Status Codes

Job Status Code

Job Status Code Abbreviation

Table of First Characters of the Job Identification Code

Job Identification Code First Character

Job Identification Code First Character Abbreviation

Table of Second Characters of the Job Identification Code

Job Identification Code Second Character

Job Identification Code Second Character Abbreviation

APPENDIX G

MASTER EQUIPMENT FILE

This Appendix lists the data elements resident on the master equipment file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the master equipment file is contained in Appendix Q.

Data Elements

Prime Record

ID Number

Equipment Serial Number

Owner Activity Address Code (AAC)

Date of Initial Load

Last Failure Date or Meter Reading

Last CM Action Date or Meter Reading

Last Maintenance Action Date or Meter Reading

Total Equipment Operating Time

Materiel Expense for PM, Life-to-Date

Materiel Expense for CM, Life-to-Date

Total Civilian Labor Expense

Total Military Labor Hours

Number of Failure Actions, Life-to-Date

Sum of Equipment Operating Time Between Failures, Life-to-Date

Number of CM Actions, Life-to-Date

Last Annual PM Date or Meter Reading

Date Last PM

Type Last PM

NSN

Readiness Flag

Maintenance Engineering Analysis Code

Modification Control Flag

EOTC

Sum of Equipment Operating Time Between CM, Life-to-Date

Number of PM Actions, Life-to-Date

Last Quarterly PM Date or Meter Reading

Major Command Indicator of the Owner

ASC Code

Active Record Flag

Inactive Date

Number of Trailers

Trailer Record (Up to Nine)

MI Number Completed

Date Modification Completed

APPENDIX H

HISTORY FILE

This Appendix lists the data elements resident on the history file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the history file is contained in Appendix Q. A history file record consists of a prime record and from 0 to 99 trailer records.

Data Elements

Prime Record

Secondary Reparable Code

ID Number

Equipment Serial Number

Date Received in Shop

ERO Number

NSN

Owner AAC

Echelon of Maintenance

Job Identification Code

Quantity Inducted

Cross-Reference ERO Number 1

Cross-Reference ERO Number 2

Priority

Category Code

Deadline Control Date

Date Closed

Civilian Labor Charge

Parts Charge

Military Labor Hours

EOTC

Meter Reading

Task Data 1

Task Data 2

Task Data 3

Number Unserviceable

ASC Code

Readiness Flag

MEA Flag

Number of Trailers

Trailer Record

Advice Code

NSN

Document Number or MI Number

Unit of Issue

Quantity

Date Received

APPENDIX I

UNIT DATA FILE

This Appendix lists the data elements resident on the unit data file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the unit data file is contained in Appendix Q.

Data Elements

Unit Identification Code

Unit Name

Major Command Unit Identification Code

Type Unit Code

Marine Amphibious Force Code

APPENDIX J

TAM DATA FILE

This Appendix lists the data elements resident on the TAM file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition for the TAM file is contained in Appendix Q.

Data Elements

TAM Number

Nomenclature

Management Functional Codes (Refer to MCO 3000.12)

APPENDIX K

LOGISTICS READINESS FILE

This Appendix lists the data elements resident on the logistics readiness file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. The Headquarters Marine Corps logistics readiness tapes have the same record format as this file. A file definition of the logistics readiness file is contained in Appendix Q.

Data Elements

Unit Identification Code

TAM Number

Record Identification

Maintenance Float Identification

TAM Number Nomenclature

Serial Number

Remarks Date

Sequence Code

Total Code

Deadline Equipment Label

Equipment ID

Secondary ID

Status Hour

Status Date

Report Status

Echelon of Maintenance

Holder Unit Identification Code

Deployment Identification Code

Remark

Number T/E Authorization

Date of T/E Authorization

Report of Number Authorized

Report of Number Possessed

Date of Authorization or Possession

Last Run Date

Commodity Flag

Delete Flag

APPENDIX L

MODIFICATION STATUS REPORT FILE

This Appendix lists the data elements contained on the modification status report file and used in report production. This file is accessed only for the production of the modification status report. Appendix C contains a definition for the following data elements:

Data Elements

Date of Report Extraction

Report Symbol

Major Command Indicator

Major Command Name

ID Number

MI Number

Nomenclature

Using Unit Address Code

Number of Modifications Required

Number of Modifications Completed

Percentage of Modifications Completed

Total Number of Modifications Required

Total Number of Modifications Completed

Percentage of Total Number of Modifications Completed

Grand Aggregate of Number of Modifications Required

Grand Aggregate of Number of Modifications Completed

Grand Aggregate for Percentage of Number of Modifications Completed

APPENDIX M

MAINTENANCE MANPOWER UTILIZATION REPORT FILE

This Appendix lists the data elements contained on the maintenance manpower utilization report file and used in report production. This file is accessed only for the production of the maintenance manpower utilization report. Appendix C contains a definition for the following data elements:

Data Elements

Date of Report Extraction

Report Symbol

ASC Code

Field Maintenance Unit Address Code

Owner Unit Address Code

Average Hours Per Month

MISC (No WSC)

WSC

Nomenclature

Total Hours for WSC

Subtotal for Owner Unit Activity Address Code of Average Hours Per Month

Total for Field Maintenance Unit Activity Address Code of Average Hours Per Month

APPENDIX N

SECONDARY REPARABLE EXPENSE SUMMARY REPORT FILE

This Appendix lists the data elements contained on the secondary reparable expense summary report file and used in report production. This file is accessed only for production of the secondary reparable expense summary report. Appendix C contains a definition for the following data elements:

Data Elements

Report Symbol

Date of Report Extraction

Owner Unit Address Code

NSN

Category Code

Nomenclature

Past Quarter Number Inducted

Past Quarter Number Washouts

Past Quarter Number Repaired

Past Quarter Washout Expense

Past Quarter Repaired Expense

Past Quarter Maintenance Replacement Rate

Past Quarter Repair Rate

Past Quarter Repair Cycle Time

Past Quarter Standard Replacement Price

Past Year Number Inducted

Past Year Number Washouts

Past Year Number Repaired

Past Year Washout Expense

Past Year Repaired Expense

Past Year Maintenance Replacement Rate

Past Year Repair Rate

Past Year Repair Cycle Time

Past Year Standard Replacement Price

APPENDIX O

HISTORICAL MAINTENANCE ENGINEERING FILE

This Appendix will explain the composition of the historical maintenance engineering file. The file is composed of data elements resident on the ID standards, edit standards, master equipment, and history files. Appendix C contains the associated data element label and field structure, as well as a definition for the data element. A file definition of the historical maintenance engineering file is contained in Appendix Q. A historical maintenance engineering file record consists of three types of records which are labeled ID standards extract, history extract, and master equipment extract.

Data Elements

ID STANDARDS EXTRACT

Type of Record

Complete ID Standards File Record for ID Number

History Extract

Type of Record

Complete History File Record for ID Number Plus the Defect Code Nomenclature for Each First, Second, and Third Task Data Entry on the History Prime Record

Master Equipment Extract

Type of Record

Complete Master Equipment File Record for ID Number

APPENDIX P

GLOSSARY FOR HMSS FILE DEFINITIONS

This Appendix contains a MARK IV glossary and file definitions of the respective files resident in the HMSS. By referring to these file definitions, a user can obtain the information necessary to initiate a data retrieval request. Additionally, the user can discern the columnar headings for a data element as it will appear on the resultant output reports.

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION = TAM-FILE

07/30/76
PAGE 1

FILE IDENTIFICATION = TAM-FILE
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 6

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 80
BLOCK SIZE = 800

SEGMENT 1, LEVEL 1

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 80
NUMBER OF FIELDS IN SEGMENT = 6

KEY FIELD 1 = TAM TYPE = C LENGTH = 5

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
TAM	C	1	5				5	6	1	***	TAXON	***
NOMEN	C	7	30				30	30	1	***	NOMENCLATURE	***
FSN	C	44	11				11	55	1	***	FEDERAL	***
									2	***	STOCK	***
									3	***	NUMBER	***
FUNC	C	58	2				2	4	1	***	FUNC	***
									2	***	AREA	***
									3	***	CODE	***
NOTEFLAG	C	62	1				1	8	1	***	NOTE FLAG	***
FILLER	C	80	1				1	1				

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - UNITFILE

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PAGE 1

FILE IDENTIFICATION = UNITFILE
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 6

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 80
BLOCK SIZE = 800

****
* SEGMENT 1, LEVEL 1 *
****

SEGMENT OCCURS M TIMES = 1
SEGMENT SIZE = 80
NUMBER OF FIELDS IN SEGMENT = 6

KEY FIELD 1 = UIC TYPE = C LENGTH = 6

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) [ ] [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
UIC	C	1	6				6	14	1	***	UNIT	***
									2	***	IDENTIFICATION	***
									3	***	CODE	***
UIC-NAME	C	13	33				33	33	1	***	UNIT NAME	***
MC-UIC	C	46	6				6	6	1	***	MAJOR	***
									2	***	SUB -	***
									3	***	UIC	***
UIC-TYPE	C	56	1				1	4	1	***	TYPE	***
									2	***	UNIT	***
									3	***	CODE	***
MAF	C	71	1				1	3	1	***	MAF	***
FILLER	C	80	1				1	1				

DETAILED GLOSSARY BY LOCATION FOR FILE DEFINITION - MIMMS-ID

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PAGE 1

FILE IDENTIFICATION = MIMMS-ID
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 24

RECORD FORMAT = FIXED BLOCKED
RECORD SIZE = 140
BLOCK SIZE = 580

SEGMENT 1, LEVEL 1

SEGMENT OCCURS M TIMES = 1
SEGMENT SIZE = 140
NUMBER OF FIELDS IN SEGMENT = 24

KEY FIELD 1 = ID-NO TYPE = C LENGTH = 6

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
DEL-CD	C	1	1				1	1				
ID-NO	C	2	6				6	6	1 2	*** ***	ID NUMBER	*** ***
TAM-NO	C	8	6				6	6	1 2	*** ***	TAM NUMBER	*** ***
NOMEN-M	C	13	14				14	14	1 3	*** ***	NOMENCLATURE USED IN LINDS	*** ***
NOMEN	C	13	50				50	50	1	***	NOMENCLATURE	***
ACQUISIT	P	63	5	2			13	13	1 2	*** ***	ACQUISITION COST	*** ***
-SC	C	68	2				3	7	1 2 3	*** *** ***	WEAPONS SYSTEM CODE	*** *** ***
NSN	C	70	13				13	13	1 2 3	*** *** ***	NATIONAL STOCK NUMBER	*** *** ***
MTBF	P	83	3				7	9	1 2 3	*** *** ***	MEAN TIME BETWEEN FAIL-RES	*** *** ***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - NUMBER-ID
SEGMENT 1, LEVEL 1 (CONTINUED)

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PAGE 2

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
MTBM	P	88	3				7	11	1	***	MEAN TIME	***
									2	***	BETWEEN	***
									3	***	MAINTENANCE	***
MMT	P	89	3	1			8	11	1	***	MEAN	***
									2	***	MAINTENANCE	***
									3	***	TIME	***
MTTR-2	P	92	3	1			8	8	1	***	MEAN TIME	***
									2	***	TO REPAIR	***
									3	***	2ND ECH	***
MTTR-3	P	95	3	1			8	8	1	***	MEAN TIME	***
									2	***	TO REPAIR	***
									3	***	3RD ECH	***
MTTR-4	P	98	3	1			8	8	1	***	MEAN TIME	***
									2	***	TO REPAIR	***
									2	***	4TH LCH	***
EQTC	C	101	1				1	8	1	***	EQUIP OP	***
									2	***	TIME	***
									3	***	CODE	***
OP-LIFE	P	102	4				10	10	1	***	OPERATING	***
									2	***	LIFE	***
									3	***	EXPECTANCY	***
MARES	C	106	1				1	11	1	***	MARES FLAG	***
									2	***	MARKERS	***
									3	***	X=NON-MARES	***
MEA-FLAG	C	107	1				1	10	1	***	MAINT ENGR	***
									2	***	ANALYSIS	***
									3	***	FLAG	***
MEA-DATE	C	108	8				8	8	1	***	MEA	***
									2	***	DATE	***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - NEWMUS-ID
SEGMENT 1, LEVEL 4 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES [ ] [ ] [ ] [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ANN-PM	C	113	6				6	6	1	***	MAX TIME	***
									2	***	BETWEEN	***
									3	***	ANN PM	***
QTRLY-PM	C	119	6				6	6	1	***	MAX TIME	***
									2	***	BETWEEN	***
									3	***	QTRLY PM	***
MOD-CONT	C	125	1				1	4	1	***	MOD	***
									2	***	CONT	***
									3	***	FLAG	***
FUNCTION	C	126	2				2	6	1	***	FUNCT	***
									2	***	AREA	***
									3	***	CODE	***
FILLER	C	128	13				13	13				

DETAILED GLOSSARY BY LOCATION FOR FILE DEFINITION - HISTOFIL

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PAGE 1

FILE IDENTIFICATION = HISTOFIL
NUMBER OF SEGMENTS IN FILE = 2
NUMBER OF FIELDS IN FILE = 16

RECORD FORMAT = VARIABLE UNBLOCKED
RECORD SIZE = 5810
BLOCK SIZE = 5818

SEGMENT 1, LEVEL 1

SEGMENT OCCURS M TIMES = 1
SEGMENT SIZE = 68
NUMBER OF FIELDS IN SEGMENT = 13

KEY FIELD 1 = REC-KEY TYPE = C LENGTH = 18

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO		COLUMN HEADING	
REC-KEY	C	1	18				18	19				
MI-NO	C	1	13				13	13	1 2	*** ***	MOD INST NUMBER	*** ***
ID-NO	C	14	5				5	5	1 2	*** ***	EQUIP ID NUMBER	*** ***
URG	C	20	1				1	7	1 2	*** ***	URGENCY CODE	*** ***
LAST-UPD	C	21	5				5	9	1 2	*** ***	DATE LAST UPDATE	*** ***
REC-EST	C	26	5				5	11	1 2	*** ***	DATE RECORD ESTABLISHED	*** ***
MTTR	Z	31	5	1			4	9	1 2	*** ***	MEAN TIME TO MODIFY	*** ***
MEM-ID	C	36	6				6	8	1 2	*** ***	MEM ID NUMBER	*** ***
NSN	C	42	15				15	15	1 2	*** ***	NSN WITH MSC	*** ***
FILLER-1	C	57	10				10	10				

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DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - HISTOFIL
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ASF	C	66	1				1	7	1	***	ALREDDY	***
									2	***	SEAT	***
									3	***	FLAG	***
TALR-CNT	Z	67	2	0			3	4	1	***	TALR	***
									2	***	CNT	***

SEGMENT 2, LEVEL 2

COUNT FIELD FOR SEGMENT = TRLR-CNT
SEGMENT SIZE = 58
NUMBER OF FIELDS IN SEGMENT = 4

KEY FIELD 1 = TRLR-NBR TYPE = Z LENGTH = 2

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
TRLR-NBR	Z	1	2				3	4	1 2	*** ***	TRLR NBR	*** ***
SERNO-FM	C	3	20				20	20	1 2	*** ***	SERIAL FROM	*** ***
SERNO-TO	C	23	20				20	20	1 2	*** ***	SERIAL TO	*** ***
FILLER-2	C	43	16				16	16				

FILE IDENTIFICATION = MIST-EXT
NUMBER OF SEGMENTS IN FILE = 2
NUMBER OF FIELDS IN FILE = 49

MILNAD FORMAT = VARIABLE BLOCKED
RECORD SIZE = 5100
BLOCK SIZE = 5108

* SEGMENT 1, LEVEL 1 *

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 150
NUMBER OF FIELDS IN SEGMENT = 37

KEY FIELD 1 = SEC-REP TYPE = C LENGTH = 1
KEY FIELD 2 = ID TYPE = C LENGTH = 8
KEY FIELD 3 = SERNO TYPE = C LENGTH = 10

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES [ ] ( ) [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
SEC-REP	C	1	1				1	7	1 2	*** ***	SEC-REP CODE	*** ***
ID	C	2	8				8	8	1	***	ID NO	***
SERNO	C	8	10				10	10	1 2	*** ***	SERIAL NUMBER	*** ***
DRES	P	18	3			(Z) ( ) [ ]	5	5	1 2	*** ***	DATE REVD	*** ***
EAD	C	21	8				8	8	1	***	EAD	***
NSM	C	26	13				13	13	1	***	NSM	***
MSC	C	35	2				2	2	1	***	MSC	***
OWNERUAC	C	41	5				5	5	1 2	*** ***	OWNER UIC	*** ***
ECH	C	46	1				1	1	1	***	ECH	***
JUB ID	C	47	2				2	2	1 2	*** ***	JOB ID	*** ***
QTY	L	49	2				2	2	1	***	QTY	***

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
CROSS1	C	51	5				5	5	1 2	*** ***	CROSS ERO 1	*** ***
CROSS2	C	56	5				5	5	1 2	*** ***	CROSS ERO 2	*** ***
PRI	C	61	2				2	3	1	***	PRI	***
CAT	C	63	1				1	3	1	***	CAT	***
DCD	P	64	3			(Z) ( ) ( )	5	8	1 2	*** ***	DEADLINE CNTRL DT	*** ***
DATECLOS	P	67	3			(Z) ( ) ( )	5	6	1 2	*** ***	DATE CLOSED	*** ***
CIV LAB	P	70	4	2		(5) ( ) ( )	10	10	1 2 3	*** *** ***	CIVILIAN LABOR CHARGE	*** *** ***
PARTCHG	P	74	5	2		(5) ( ) ( )	12	13	1 2	*** ***	MATERIAL CHARGE	*** ***
MIL LAB	P	79	3	1			8	6	1 2 3	*** *** ***	MILITARY LABOR HOURS	*** *** ***
EOTC	C	82	1				1	4	1	***	EOTC	***
METER	Z	83	6				8	8	1 2	*** ***	METER READING	*** ***
DEF 1	C	89	3				3	8	1 2	*** ***	DEFECT 1	*** ***
TASKS 1	Z	92	2				4	7	1 2	*** ***	NUMBER TASKS 1	*** ***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION = WEST-EXP
SEGMENT 1, LEVEL 1 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) [ ] { }	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
HOURS 1	Z	88	4				6	7	1 2	*** ***	NUMBER HOURS 1	*** ***
DEF 2	C	92	3				3	8	1 2	*** ***	DEFECT 2	*** ***
TASKS 2	Z	102	3				4	7	1 2	*** ***	NUMBER TASKS 2	*** ***
HOURS 2	Z	105	4				6	7	1 2	*** ***	NUMBER HOURS 2	*** ***
DEF 3	C	109	3				3	8	1 2	*** ***	DEFECT 3	*** ***
TASKS 3	Z	112	3				4	7	1 2	*** ***	NUMBER TASKS 3	*** ***
HOURS 3	Z	115	4				6	7	1 2	*** ***	NUMBER HOURS 3	*** ***
UNSER	Z	119	3				3	8	1 2	*** ***	NUMBER UNSER	*** ***
ASC	C	121	2				2	4	1 2	*** ***	ASC CODE	*** ***
MARKS	C	123	1				1	8	1 2	*** ***	MARKS FLAG	*** ***
MEA	C	124	1				1	4	1 2	*** ***	MEA FLAG	*** ***
FILL1	C	125	24				24	24				
PARTCNT	Z	149	2		2		3	4	1 2	*** ***	PART CNT	*** ***

SEGMENT 2, LEVEL 2

COUNT FIELD FOR SEGMENT = PARTCNT
SEGMENT SIZE = 50
NUMBER OF FIELDS IN SEGMENT = 8

KEY FIELD 1 = T-DOC TYPE = C LENGTH = 13

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
T-ADV	C	1	3				3	4	1 2	*** ***	ADV CODE	*** ***
T-NSN	C	5	13				13	13	1	***	NSN	***
T-NSC	C	18	2				2	3	1	***	NSC	***
T-DOC	C	20	13				13	13	1 2	*** ***	DOCUMENT NUMBER	*** ***
T-UI	C	33	2				2	7	1 2	*** ***	UNIT OF ISSUE	*** ***
T-QTY	P	35	3				7	7	1	***	QTY	***
T-DATE	P	38	3			(2) ( ) ( )	8	8	1 2 3	*** *** ***	DATE RCVD/ CANC	*** *** ***
FILL3	C	41	10				12	12				

DETAILED GLOSSARY BY LOCATION FOR FILE DEFINITION - MERFILE

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PAGE 4

FILE IDENTIFICATION = MERFILE
NUMBER OF SEGMENTS IN FILE = 2
NUMBER OF FIELDS IN FILE = 37

RECORD FORMAT = VARIABLE BLOCKED
RECORD SIZE = 1980
BLOCK SIZE = 1988

SEGMENT 1, LEVEL 1

SEGMENT OCCURS M TIMES = 1
SEGMENT SIZE = 340
NUMBER OF FIELDS IN SEGMENT = 35

KEY FIELD 1 = ID-NO TYPE = C LENGTH = 6
KEY FIELD 2 = FILE-SER TYPE = C LENGTH = 20

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
FILE-KEY	C	1	26				26	26				
ID-NO	C	1	6				6	6	1 2	*** ***	ID NUMBER	*** ***
FILE-SER	C	7	20				20	20				
SERNO-1	C	7	10				10	10	1 2	*** ***	SERIAL NUMBER-1	*** ***
SERNO-2	C	17	10				10	10	1 2	*** ***	SERIAL NUMBER-2	*** ***
OWNERSHC	C	27	5				5	5	1 2	*** ***	OWNER SHC	*** ***
JOIN-DTE	P	32	3			(2) ( ) ( )	5	5	1 2	*** ***	JOIN DATE	*** ***
LAST-FLR	P	35	4			(2) ( ) ( )	7	7	1 2	*** ***	LAST FAILURE	*** ***
LAST-CH	P		4			(2) ( ) ( )	7	7	1 2	*** ***	LAST CH	*** ***
LST-MAIN	P	43	4			(2) ( ) ( )	7	7	1 2	*** ***	LAST MAINT	*** ***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MERFILE
SEGMENT 1. LEVEL 1 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
TOT-EOT	P	47	4			(2) ( ) ( )	7	7	1 2	*** ***	TOTAL EOT	*** ***
PM-EXP	P	51	4			(5) ( ) ( )	10	10	1 2	*** ***	PM EXP-LTD	*** ***
CM-EXP	P	55	4			(5) ( ) ( )	10	10	1 2	*** ***	CM EXP-LTD	*** ***
CIV-LAB	P	59	4			(5) ( ) ( )	10	10	1 2	*** ***	CIV-LAB CHARGE	*** ***
MIL-LAB	P	63	4	1			10	10	1 2	*** ***	MIL-LAB HOURS	*** ***
FLR-ACT	P	67	3			(2) ( ) ( )	5	11	1 2	*** ***	NUMBER FLR-ACT-LTD	*** ***
EOT-FLR	P	70	4			(2) ( ) ( )	7	7	1 2	*** ***	SUM-EOT FLR-LTD	*** ***
CM-ACT	P	74	3			(2) ( ) ( )	5	10	1 2	*** ***	NUMBER CM-ACT-LTD	*** ***
ANN-PM	P	77	4			(2) ( ) ( )	7	8	1 2	*** ***	LAST-ANN PM-DATE	*** ***
LAST-PM	P	81	4			(2) ( ) ( )	7	7	1 2	*** ***	LAST PM	*** ***
TYPE-PM	C	85	1				1	8	1 2	*** ***	TYPE-LST PM	*** ***
NSN	C	86	13				13	13	1 2	*** ***	NATIONAL STK-NBR	*** ***

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DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION - MEMFILE
SEGMENT 1, LEVEL 1 (CONTINUED)

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
MARES	C	99	1				1	8	1 2	*** ***	MRPES FLAG	*** ***
MEA	C	100	1				1	4	1 2	*** ***	M/A FLAG	*** ***
MOD	C	101	1				1	8	1 3	*** ***	MOD-CNTR FLAG	*** ***
EOYC	C	102	1				1	7	1 2	*** ***	EO YR CP-ISUE	*** ***
EOT-CB	P	103	4			(2) ( ) ( )	7	7	1 3	*** ***	EOM-EOT CM-LIB	*** ***
PM-ACT	P	107	3			(2) ( ) ( )	6	6	1 3	*** ***	NUMBER PM ACT	*** ***
DTA-PM	P	110	4			(2) ( ) ( )	7	8	1 3	*** ***	LAST-DTA PM-CASE	*** ***
MC1	C	114	1				1	8	1 2	*** ***	OWNER MC1	*** ***
ASC	C	115	2				2	4	1 2	*** ***	AYP CODE	*** ***
FILL1	C	117	18				18	18				
REC-STAT	C	133	1				1	8	1 2	*** ***	RECORD STATUS	*** ***
INACT-DT	Z	134	5			(2) ( ) ( )	6	8	1 3	*** ***	INACTIVE DATE	*** ***
TALR-CNT	Z	139	2		2	(2) ( ) ( )	2	4	1 3	*** ***	TALR CNT	*** ***

SEGMENT 2, LEVEL 2

COUNT FIELD FOR SEGMENT = TALB-CAT
SEGMENT SIZE = 18
NUMBER OF FIELDS IN SEGMENT = 2

KEY FIELD 1 = MI-NBR TYPE = C LENGTH = 13

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
MI-NBR	C	1	13				13	13	1	***	MOD	***
									2	***	NUMBER	***
MI-DATE	Z	14	5			(Z) ( ) ( )	5	8	1	***	MI	***
									2	***	DATE	***

DETAILED GLOSSARY BY LOCATION for
FILE DEFINITION - READNESS

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PAGE 1

FILE IDENTIFICATION = READNESS
NUMBER OF SEGMENTS IN FILE = 1
NUMBER OF FIELDS IN FILE = 20

RECORD FORMAT = VARIABLE BLOCKED
RECORD SIZE = 1012
BLOCK SIZE = 1020

SEGMENT 1, LEVEL 1

SEGMENT OCCURS N TIMES = 1
SEGMENT SIZE = 250
NUMBER OF FIELDS IN SEGMENT = 10

KEY FIELD 1 = SEQ-CH TYPE = C LENGTH = 31

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES [ ] [ ] [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
ASSET-RC	C	1	250				250	250				
DEADL-RC	C	1	175				175	175				
REMRK-RC	C	1	90				90	90				
SEQ-CH	C	1	31				31	31	1 2	*** ***	FIRST 31 POSITIONS	*** ***
UIC	C	1	6				6	6	1 3	*** ***	UNIT UIC	*** ***
TAN	C	7	5				5	5	1	***	TAICN	***
REC-ID	C	12	1				1	3	1 2	*** ***	REC ID	*** ***
MAINT-FL	C	13	1				1	4	1 2	*** ***	UNIT TYPE	*** ***
A-NOMEN	C	14	30				30	30	1 3	*** ***	TAICN NOMENCLATURE	*** ***
R-DATE	C	14	6				6	7	1 3	*** ***	REMARKS DATE	*** ***
D-SERNO	C	14	8				8	9	1 2	*** ***	SERIAL NUMBER	*** ***

DETAILED GLOSSARY BY LOCATION FOR
FILE DEFINITION = READINESS
SEGMENT 1, LEVEL 1 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
A-SEQ	C	19	3				3	3	1 2	*** ***	STD ACN	*** ***
A-LABEL	C	31	5				5	5	1 2	*** ***	DATA LABEL	*** ***
D-EQUPID	C	33	8				8	8	1 2	*** ***	EQUIP ID	*** ***
R-FI	C	26	15				15	15				
D-ST-MM	C	27	2				2	6	1 2	*** ***	STATUS MOUD	*** ***
D-ST-DTE	C	29	5				5	6	1 2	*** ***	STATUS DATE	*** ***
D-REPST	C	34	1				1	6	1 2	*** ***	REPAIR STATUS	*** ***
D-ECH-MT	C	35	1				1	6	1 2	*** ***	ECH OF MAINT	*** ***
D-H-UIC	C	36	6				6	6	1 2	*** ***	HOLDER UIC	*** ***
R-DEPLOY	C	41	1				1	1				
R-REMARK	C	42	33				33	33	1 2	*** ***	NARRATIVE REMARK	*** ***
D-1ST-HD	C	42	26				26	26	1	***	1ST HOLDER	***
D-H1-UIC	C	42	6				6	6	1 2	*** ***	FIRST HOLDER	*** ***
D-H1-DTE	C	48	8				8	7	1 2	*** ***	1ST HLD DATE IN	*** ***

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
A-R-AUTH	C	52	3				3	4	1 2	*** ***	REPO AUTH	*** ***
D-H1-EDB	C	53	1				1	7	1 2	*** ***	1ST HLD EDB	*** ***
D-H1-WKH	C	54	3				3	8	1 2	*** ***	1ST HLD WORK DAYS	*** ***
A-R-POSS	C	55	3				3	4	1 2	*** ***	PFED POSS	*** ***
D-H1-WRS	C	57	3				3	9	1 2	*** ***	1ST HLD WORS DAYS	*** ***
A-APDATE	C	59	6				5	8	1 2	*** ***	AUTH-PCSS DATE	*** ***
D-H1-TRW	C	60	3				3	8	1 2	*** ***	1ST HLD TRAN-DAYS	*** ***
D-H1-DTO	C	63	5				5	6	1 2	*** ***	1ST HLD DATE OUT	*** ***
A-RUN-DT	C	63	6				5	8	1 2	*** ***	LAST RUN DATE	*** ***
A-FUNC	C	68	2				2	10	1 2	*** ***	FUNCTIONAL AREA CODE	*** ***
D-2ND-HD	C	68	28				28	28	1	***	2ND HOLDER	***
D-HQ-SEC	C	69	5				5	6	1 2	*** ***	SECOND HOLDER	*** ***
A-DEL-DT	C	70	5				5	6	1 2	*** ***	DELETE DATE	*** ***

DETAILED GLOSSARY BY LOCATION FOR FILE DEFINITION - READRESS SEGMENT 1, LEVEL 1 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
D-H3-DTE	C	74	5				5	7	1	***	2ND HLD	***
									2	****	DATE IN	***
R-F3	C	75	11				11	11				
D-H3-EOM	C	79	1				1	7	1	***	2ND HLD	***
									2	***	EOM	***
D-H3-NRM	C	80	3				3	9	1	***	2ND HLD	***
									2	***	NORM DAYS	***
D-H3-NRS	C	83	3				3	9	1	***	2ND HLD	***
									2	***	NORS DAYS	***
D-H3-TRN	C	86	3				3	9	1	***	2ND HLD	***
									2	***	TRAN DAYS	***
R-CRDMDN	C	89	3				3	3				
R-F3	C	89	2	**			2	2				
D-H3-DTO	C	89	6				5	8	1	***	2ND HLD	***
									2	***	DATE OUT	***
D-3RD-HD	C	94	26				26	26	1	***	3RD HOLDER	***
D-H3-UIC	C	94	6				6	6	1	***	THIRD	***
									2	***	HOLDER	***
D-H3-DTE	C	100	5				5	7	1	***	3RD HLD	***
									2	***	DATE IN	***
D-H3-EOM	C	105	1				1	7	1	***	3RD HLD	***
									2	***	EOM	***
D-H3-NRM	C	106	3				3	9	1	***	3RD HLD	***
									2	***	NORM DAYS	***

FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SEGMENT	EDIT CODES [ ] [ ] [ ] [ ]	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	COLUMN HEADING	***
D-H3-NMS	C	108	3				3	8	1 2	*** ***	3RD HLD NORS DAYS	*** ***
D-H3-TRN	C	111	3				3	8	1 2	*** ***	3RD HLD TRAN DAYS	*** ***
D-H3-DTO	C	114	6				6	8	1 2	*** ***	3RD HLD DATE OUT	*** ***
D-H4-UIC	C	120	6				6	6	1 2	*** ***	4TH HLDR HOLDER	*** ***
D-4TH-HD	C	120	36				36	36	1	***	4TH HOLDER	***
D-H4-DTI	C	126	6				8	7	1 2	*** ***	4TH HLD DATE IN	*** ***
D-H4-EOM	C	131	1				1	7	1 2	*** ***	4TH HLD EOM	*** ***
D-H4-NMN	C	132	3				3	9	1 2	*** ***	4TH HLD NORM DAYS	*** ***
D-H4-NRS	C	135	3				3	9	1 2	*** ***	4TH HLD NORS DAYS	*** ***
D-H4-TRN	C	138	3				3	9	1 2	*** ***	4TH HLD TRAN DAYS	*** ***
D-H4-DTO	C	141	6				6	6	1 2	*** ***	4TH HLD DATE OUT	*** ***
D-DELDTE	C	148	6				6	6	1 2	*** ***	DELETE DATE	*** ***
D-LRDATE	C	181	6				6	8	1 2	*** ***	LAST RUN DATE	*** ***

DETAILED GLOSSARY BY LOCATION (On
FILE DEFINITION RECORDS
REMARKS 01, LEVEL 1 (CONTINUED)

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FIELD NAME	FIELD TYPE	FIELD LOCATION	FIELD LENGTH	DECIMAL PLACES	COUNT FIELD FOR SIGNIFCNT	EDIT CODES ( ) ( ) ( )	EDIT LENGTH	OUTPUT WIDTH	LINE NO	***	CARLSON HEADING
D-F1	C	166	1				1	1			
D-DEP-CD	C	167	3				3	8	1	***	OFFICE
									2	***	CODE
D-F2	C	170	2				2	2			
D-ZERO VAL	C	172	5				5	8			
									1	***	END
									2	***	MARKER
D-F3	C	177	8					8			

167, 168 X

APPENDIX Q

JOB IDENTIFICATION, DEFECT, AND JOB STATUS CODES

Q1.1 Job Identification Codes. The following are job identification codes and interpretations which describe the type of maintenance being performed on the equipment undergoing repair and its general location:

First Character Code	Print	Job Description
0	RPR	Routine Repair
1	INS	Inspection Only/Limited Technical Inspection (LTI)
2	CAL	Routine Calibration
3	RAN	Range Support
4	MOD	Modification Only
5	FAB	Fabrication
6	MFL	Repair of Maintenance Float Item
7	OVH	Shop Overhead
8	SPM	Scheduled PM
9		Reserved for Future Use

Second Character Code	Print	Location Description
0	B	Depot Rebuild Process in Shop
1	I	Intership Work order Received
2	C	Contact Team on Site
3	O	Other Military Activity
4	M	Commercial Activities by Contract

Second Character Code	Print	Location Description
5	S	In Shop
6-9		Reserved for Future Use

Q1.2 Defect Codes. The following are defect codes and interpretations which best describe the maintenance action on the equipment undergoing repair. The codes are broken down into three groups (i.e., mobility, ordnance, and communication) to facilitate the location of applicable codes. Mobility pertains to the items of equipment which are wheeled or tracked but not their ordnance characteristics, such as tubes or firing mechanisms. Ordnance items pertain to the tubes and firing mechanisms, etc. The communication group pertains primarily to preclude the use of the codes from other areas if they describe the malfunction more accurately.

Mobility

First Character Code	Print	Explanation
BLANK (b)	(NMAJ)	No Major Defect
A	(ENG)	Engine
B	(TRAN)	Transmission
C	(PWRP)	Power Pack
D	(PWRT)	Power Train
E	(AXLE)	Axle System
F	(SUSP)	Suspension System
G	(TRAC)	Track Crawler System
H	(BODY)	Body, Frame, or Hull
I	(COOL)	Cooling System
K	(ELEC)	Electrical System
L	(FUEL)	Fuel System
M	(HYDR)	Hydraulic System
N	(AIR)	Air System

First Character Code	Print	Explanation
Q	(IGNI)	Ignition System
R	(LIFT)	Boom, Cable, and Lift System
X	(MTR)	Meter
2	(TEDD)	Test Equipment/Display Devices
3	(A/C)	Air-Conditioners

Ordnance

First Character Code	Print	Explanation
BLANK (b)	(NMAJ)	No Major Defect
H	(BODY)	Body, Frame, or Hull
I	(ARMT)	Armament
K	(ELEC)	Electrical System
N	(AIR)	Air System
O	(TURR)	Turret System
P	(FCON)	Fire Control System
X	(MTR)	Meter
Y	(WPNS)	Weapons/Small Arms/Crew-Served
Z	(LVTP)	Landing Vehicle Track Personnel
2	(TEDD)	Test Equipment/Display Devices

Communication

First Character Code	Print	Explanation
BLANK (b)	(NMAJ)	No Major Defect
S	(XMOC)	Transmitter/Output Circuitry
T	(RCIC)	Receiver/Input Circuitry
U	(ANTL)	Antenna/Transmission Line
V	(MODM)	Multiplex/Modulation-Demodulation
W	(DADI)	Data/Digital Systems
X	(MTR)	Meter
1	(ANEW)	Ancillary Equipment/Wiring
2	(TEDD)	Test Equipment/Display Devices
3	(A/C)	Air-Conditioners

Mobility

Second and Third Character Code	Print	Explanation
01	(ALGEN)	Alternator, Generator Mechanism
02	(BRK)	Brake Systems and Components
03	(CARB)	Carburetion Systems
04	(CARR)	Carriage and Mount Mechanism
05	(CONV)	Clutch, Converter, and Couplings
06	(CONT)	Control Mechanisms
07	(CYL)	Cylinders, Accumulators, and Replenishers

Second and Third Character Code	Print	Explanation
08	(DIST)	Distribution Systems
11	(HOSE)	Hose, Tubing, and Fitting
12	(HOUS)	Housing and Castings
13	(INJEC)	Injector Systems
14	(MDRV)	Mechanical Drive Systems
16	(SEAL)	Packing, Seals, and Gaskets
17	(PUMP)	Pumps and Components
19	(REG)	Regulator Mechanisms
20	(SPRG)	Springs, Shocks, and Stabilizer Components
21	(TORQ)	Torque, Sprocket, or Drive Mechanism
22	(STEER)	Steering Components
23	(VALV)	Valves and Valve Components
24	(TORS)	Torsion Components
25	(GLASS)	Glass Replacement
26	(PAINT)	Painting, Body Work
27	(UNK)	Unknown
28	(LKPM)	Lack of PM
29	(UNAUT)	Abuse/Unauthorized Maintenance
30	(AUX)	Auxiliary
31	(OVRHL)	Overhaul

Second and Third Character Code	Print	Explanation
34	(RPLC)	Replace
39	(CORR)	Corroded/Rusted
42	(MECH)	Mechanical/Linkage or Drive
44	(ALGN)	System Alignment
48	(CBB)	Cracked, Broken, or Bent
51	(QSPM)	Quarterly Schedule PM
52	(ASPM)	Annual Scheduled PM
53	(SAPM)	Semiannual Scheduled PM
55	(INOP)	Inoperative
56	(MINR)	Minor
57	(ADJS)	Adjust
60	(SAFDL)	Safety Deadline
61	(START)	Starter
62	(BTRY)	Battery
63	(EXSYS)	Exhaust System

Ordnance

Second and Third Character Code	Print	Explanation
09	(ELTR)	Elevation and Traversing Mechanisms
10	(GUN)	Gun Tube, Breech, and Firing Mechanisms

Second and Third Character Code	Print	Explanation
15	(OPTIC)	Optics Systems and Components
18	(RECL)	Recoil Mechanisms
27	(UNK)	Unknown
28	(LKPM)	Lack of PM
29	(UNAUT)	Abuse/Unauthorized Maintenance
30	(AUX)	Auxiliary
31	(OVRHL)	Overhaul
34	(RPLC)	Replace
39	(CORR)	Corroded/Rusted
48	(CBB)	Cracked, Broken, or Bent
51	(QSPM)	Quarterly Scheduled PM
52	(ASPM)	Annual Scheduled PM
53	(SAPM)	Semiannual Scheduled PM
54	(N/A)	Not Applicable
55	(INOP)	Inoperative
56	(MINR)	Minor
60	(SAFDL)	Safety Deadline
61	(START)	Starter
62	(BTRY)	Battery
63	(EXSYS)	Exhaust System

Second and Third Character Code	Print	Explanation
16	(SEAL)	Packing, Seals, and Gaskets
27	(UNK)	Unknown
28	(LKPM)	Lack of PM
29	(UNAUT)	Abuse/Unauthorized Maintenance
30	(AUX)	Auxiliary
32	(REFP)	Reflected Power
33	(HVSWR)	High-Voltage Standing Wave Ratio
34	(RPLC)	Replace
35	(FREQ)	Frequency Shift/Stability
36	(ADJS)	Subassembly Adjustment
37	(CABL)	Cabling Malfunction
38	(LPO)	Low Power Out
39	(CORR)	Corroded/Rusted
40	(OPEN)	Open/High-Resistive Circuitry
41	(SHORT)	Shorted/Low-Resistive Circuitry
42	(MECH)	Mechanical/Linkage or Drive
43	(ACDCS)	Alternating Current/Direct Current Source
44	(ALGN)	System Alignment
45	(MODUL)	Modulator
46	(LVPS)	Low-Voltage Power Supply

Second and Third Character Code	Print	Explanation
47	(HVPS)	High-Voltage Power Supply
48	(CBB)	Cracked, Broken, or Bent
49	(GRND)	Grounded
50	(COTO)	Components Out of Tolerance
51	(QSPM)	Quarterly Scheduled PM
52	(ASPM)	Annual Scheduled PM
54	(N/A)	Not Applicable
55	(INOP)	Inoperative
56	(MINR)	Minor
58	(MOIST)	Moisture Found
59	(ARCB)	Arcing/Burnt Components
60	(SAFDL)	Safety Deadline
61	(START)	Starter
62	(BTRY)	Battery
63	(EXSYS)	Exhaust System

Q1.3 Job Status Codes. The following are job status codes, abbreviations, and descriptions of the maintenance status on equipment undergoing repair:

Code	Abbreviation	Description
00	AWTG INS	Job is awaiting initial inspection to determine required repairs.
01	FINL INS	Job is undergoing final inspection upon completion of all repairs, and equipment records are being completed.
02	INS PRGS	Job is undergoing initial inspection to determine extent of repairs and/or parts required.
03	INS COMP	Inspection is completed, and ERO will be closed in the FMSS.
12	RPR PRGS	Repair is in progress. This code indicates the job is actually being worked on in the shop or that other action as indicated by the job indicator code is progressing.
13	RPR COMP	Repair action or other action as indicated by the job identification code has been completed, and equipment is awaiting pickup.
15	JOB CLOS	All maintenance action has been completed and/or equipment has been picked up by responsible unit.
23	SHT TEST	ERO is awaiting test equipment to repair, inspect, test, or calibrate equipment.
24	UNIT RCL	ERO is short parts which are on requisition. Equipment has been returned to owning unit at the request of the unit commander, subject to recall for completion of work upon receipt of parts.

Code	Abbreviation	Description
24 (con.)		Item may be in a combat-deadlined or noncombat-deadlined status, depending on the category code assigned.
25	SHT PART	Short parts. Parts required to repair the item have been determined and are on requisition or being procured from other sources. Job is being held pending receipt of required parts.
26	SHT SPAC	Short space. Job is pending scheduling into shop for repair. This code indicates that no parts are required or that all required parts have been received but repairs have not yet begun due to shortage of working space (bay, bench space, etc.).
27	SHT TECH	Short technicians. This code will be used when, due to a shortage of technicians (mechanics), the nature of repairs required has not been determined or repairs required have been determined but trained personnel are not available to complete work.
37	RIR SUB	Recoverable item report submitted; item being held at maintenance activity awaiting disposition instructions.
38	EVC HECH	Equipment evacuated to the next higher echelon of maintenance for completion of repairs, modifications, calibration, or lack of supply support.
39	EVC WASH	Item being processed under the provisions of the current edition of MCO P4400.82 at fourth echelon.

Code	Abbreviation	Description
40	SHT FUND	Short funds. This code will be used when, due to a shortage of funds, repair parts or labor costs cannot be obligated to complete repairs.

APPENDIX R

JOB IDENTIFICATION NUMBERS

This Appendix identifies the job identification numbers (JIN's) and job titles. Those JIN's listed under HQMC JIN may be run at both Headquarters Marine Corps and the MCLSBLant; those listed only under an MCLSBLant JIN may only be run at the MCLSBLant.

HQMC JIN	MCLSBLant JIN	Title
C4151424		MIMMS Unit File Copy
C4151524		MIMMS TAM File Copy
C4151624		MIMMS Readiness File Copy
C4151714	A415181	MIMMS Unit Readiness Report
C4151724		MIMMS Major Command Reports
C4151734		MIMMS Maintenance Reports
C4151814		MIMMS Exception Report
C4151834		MIMMS Functional Area Report
	A4151111	ID File Edit and Update
	A4151121	ID File Tape Copy
		ID File MEA Codes A, B, C, and D in ID sequence and NON

APPENDIX S

MIMMS DOCUMENT STATUS FILE

This Appendix lists the data elements resident on the MIMMS document status file. Appendix C contains the associated data element label and field structure, as well as a definition for the data element.

Data Elements

Document Identifier Code

NSN

Status Date

Weapon Systems Code

Owner UIC

NORS Indicator

Document Number

TAMCN

ID Number

Serial Number

Quantity

Priority

Status

Type Status

Last Known Holder RIC

Advice Code

Job Status Code