

MIL-M-23782C(AS)  
2 November 1983  
SUPERSEDING  
MIL-M-23782B(AS)  
1 January 1969

## MILITARY SPECIFICATION

Manuals, Technical: Work Unit Code;  
preparation of

This specification is approved for use by the Naval Air Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

### 1. SCOPE

1.1 Scope. This specification prescribes the requirements for the preparation of work unit code (WUC) manuals for aircraft weapon systems, training equipment, target drones, missiles, engines, airborne mine countermeasures, airborne avionics equipment, and support equipment (see 6.2.1).

### 2. APPLICABLE DOCUMENTS

#### 2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified, the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to the Commanding Officer, Naval Air Engineering Center, Engineering Specifications and Standards Department, Code 93, Lakehurst, NJ 08733 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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SPECIFICATIONS

MILITARY

MIL-M-38784      Manuals, Technical; General Style and Format Requirements  
MIL-P-38790      Printing Production of Technical Manuals; general requirements for

STANDARDS

MILITARY

MIL-STD-12      Abbreviations for use on Drawings, Specifications, Standards, and in Technical Documents  
MIL-STD-780      Work Unit Codes for Aeronautical Equipment; uniform numbering system

2.1.2 Other Government documents and publications. The following other Government publications form a part of this specification to the extent specified herein.

PUBLICATIONS

DEPARTMENT OF DEFENSE

DoD 5220.22-M      Industrial Security Manual for Safeguarding Classified material

DEPARTMENT OF THE NAVY

OPNAVINST 4790.2      Naval Aviation Maintenance Program

(copies of specifications, standards, and publications required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.1.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 General requirements.

3.1.1 Security classification. Normally, the security classification of the WUC manual shall be unclassified. For classified manuals or supplements, requirements shall be in accordance with DoD 5220.22-M.

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3.2 Data. Requirements for technical manual data established by this specification shall be prepared in accordance with the Data Item Description and the applicable technical content specification cited in block 16 of the DD Form 1423, Contract Data Requirements List.

3.2.1 Source data. Logistic support analysis data and equipment maintenance planning data shall be used as source data for WUC manual preparation. When available concurrently with the WUC manual preparation, illustrated parts breakdown technical manuals shall be used as source data. The Planned Maintenance System development lists shall also be used as source data for cognizance symbol "20" training equipment device WUC manuals.

3.3 Preparation. The manner of preparation of this manual shall be in accordance with MIL-M-38784 and MIL-STD-780 except as specified herein (see 6.2.2). The manual shall be prepared in the form (manuscript copy, reproducible copy, negatives, etc.) as specified in the contract (see 6.2.1). Negatives shall be prepared in accordance with the requirements of MIL-P-38790.

3.3.1 Item description or nomenclature. The description or nomenclature of items selected for coding shall be consistent with that used in the maintenance and illustrated parts breakdown manuals for the particular weapon system or related equipments. When the technical manuals are not available, nomenclature shall be derived from engineering drawings.

3.3.2 Abbreviations. The use of abbreviations shall be in accordance with MIL-STD 12.

3.3.3 Sections of the manual. This manual shall be prepared in sections. However, the sections shall not be numbered but shall contain section titles only as shown in 3.4. Page numbering of each section shall be in accordance with 3.7. Within each airborne equipment (aircraft, missiles and target drones) and training equipment, each basic system listing (11000, 12000, 13000, etc.) shall begin on a new right hand page. Each category of support equipment listing shall begin on a new right hand page.

3.3.4 Publication numbers. (see figure 1) The publication number shall be assigned by the requiring activity. It shall be shown in the extreme upper right hand corner of the reproduction area of the title page and at the top of the inside margin of each page of the manual.

3.3.5 Publication date. (see figure 1) The publication date of a basic or revision shall be placed on the title page in the lower right hand corner and at the top of the outside margin of each page of the manual.

3.3.6 Distribution statement. (see figure 1) A distribution statement shall be placed on the title page of each manual. The type size shall be not greater than 10 point nor less than 6 point. The statement shall read as follows:

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This publication is required for official use or for administrative or operational purposes only. Distribution is limited to U.S. Government agencies. Other requests for this document must be referred to the Commanding Officer, Naval Air Technical Services Facility, 700 Robbins Ave. Philadelphia, PA 19111.

3.3.7 Sequence and numbering of pages. Pages shall be assembled in the following sequence and numbered in the lower outer corner of each page as indicated:

Title Page. . . . .	no page number
Preface . . . . .	
Malfunction Description Codes (numerical listing) . . . . .	
Malfunction Description Codes (alphabetical listing) . . . . .	
When Discovered Codes . . . . .	
Action Taken Codes. . . . .	
Support Action Codes. . . . .	
Type Maintenance Codes. . . . .	
Transaction Codes . . . . .	
Type Equipment Codes. . . . .	
Index . . . . .	consecutively numbered using upper case Roman numerals
Work Unit Codes . . . . .	consecutively numbered using Arabic numbers
	sequentially numbered using two part Arabic numerals separated by a hyphen. The first part shall be by WUC system number and the second part, the con- secutive page number. For ex- ample, 11-1, 11-2, etc; 12-1, 12-2, etc.

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3.3.8 Type. Type faces used for the text shall be in accordance with the requirements of MIL-M-38784. Other corresponding type faces may be used providing the contractor has requested and obtained the approval of the requiring activity. All type, except the title page, shall be no smaller than 6 point. In the event that automatic data processing equipment is utilized for preparation of reproducible copy, upper case (machine printout) type will be utilized exclusively.

3.3.9 Code titles or headings. When preparing copy from rough manuscripts other than computerized listings, bold face upper case type shall be used for all five digit codes ending in zero and the accompanying nomenclature and for list headings that would require such a code number if used (see MIL-STD-780). The bold face type used shall provide sufficient contrast as to be easily identified. Contrasting type face is not required for text prepared directly from computerized listings providing the records within these listings are no more than ten lines per inch.

3.3.9.1 Other codes. When preparing copy from rough manuscripts other than computerized listings, all other codes (five digit codes ending in other than zero and all seven digit codes) shall be in lower case type with initial upper case only for the first letter of each word. Differences in upper and lower case type are not required for text prepared directly from computerized listings providing the records within these listings are no more than ten lines per inch.

3.3.10 Spacing. (see figures 18) The minimum spacing between running headings and text shall be one pica. Minimum spacing between text and page number shall be two picas.

3.3.11 Spacing between code list headings and code listings. (see figure 18) Spacing between consecutive list headings and code listings shall be in accordance with the following:

a. A double space shall be used between all five digit code identifications or headings ending in double zero and/or triple zero, e.g., 11000, 11100.

b. A double space shall be used between five digit codes ending in "9" (Not Otherwise Coded) and the next code or heading.

3.3.12 Page size of camera-ready copy. Page size authorized for manuals prepared in accordance with this specification is 4 X 8 inches.

3.3.13 Image area of camera-ready copy. The image area shall be as follows:

a. Image area - title page. (see figure 2) The image area on the title page shall be 18 picas in width by 44 picas in depth (this includes the publication date). The image area shall allow a four pica margin on the binding side, a two pica top margin, and a two pica bottom margin.

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b. Image area - text pages. (see figure 3) The image area of the text pages shall be 18 picas in width by 42 picas in depth. The text lower limit shall be 40 picas and the page number lower limit shall be 42 picas. The image area shall allow a four pica margin on the binding side, a three pica top margin, and a three pica bottom margin.

3.3.14 Revisions. WUC manuals shall always be revised and not changed.

3.3.15 Supersedure notice. (see figure 1) When the manual under preparation supersedes another manual, a supersedure notice shall be placed on the title page below the end item nomenclature. The supersedure notice shall read as follows: "This manual supersedes (publication number) (dated)."

3.4 Content. The WUC manual shall contain a complete breakdown by systems, sub-systems, assemblies, and components or parts in accordance with the requirements of MIL-STD-780 plus the additional standard codes required by this specification. The contents of the WUC manual shall be comprised of the following arranged in the order indicated:

- a. Title page
- b. Preface
- c. Malfunction Description Codes (numerical listing)
- d. Malfunction Description Codes (alphabetical listing)
- e. When Discovered Codes
- f. Action Taken Codes
- g. Support Action Codes
- h. Type Maintenance Codes
- i. Transaction Codes
- j. Index
- k. WUCs/blank back cover page

3.4.1 Title page. (see figure 1) The title page shall be prepared in accordance with the requirements of MIL-M-38784 and shall contain the assigned publication number, publication title, distribution statement, authorization note, and publication date. The title page for revised manuals shall contain a supersedure notice (see 3.3.16).

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3.4.2 Preface. (see figure 4) The preface shall be tailored for each specific type of WUC manual being prepared and shall be extracted from OPNAVINST 4790.2.

3.4.3 Malfunction Description Codes. (see figures 5 and 6) The current Malfunction Description Codes shall be extracted from OPNAVINST 4790.2 and shall be listed in each manual in numerical sequence followed by alphabetical sequence.

3.4.4 When Discovered Codes. (see figures 7) The current list of When Discovered Codes shall be extracted from OPNAVINST 4790.2 and shall be included in each manual.

3.4.5 Action Taken Codes. (see figure 8) The current list of Action Taken Codes shall be extracted from OPNAVINST 4790.2 and shall be included in each manual.

3.4.6 Support Action Codes. (see figure 9) The current list of Support Action Codes shall be extracted from OPNAVINST 4790.2 and shall be included in each manual.

3.4.7 Type Maintenance Codes. (see figure 10) The current list of Type Maintenance Codes shall be extracted from OPNAVINST 4790.2 and shall be included in each manual.

3.4.8 Transaction Codes. (see figure 11) The current list of Transaction Codes shall be extracted from OPNAVINST 4790.2 and shall be included in each manual.

3.4.9 Index. The Index shall be tailored for each specific type of WUC manual being prepared.

3.4.9.1 Aircraft, missiles, engines, and training equipment. (see figures 12, 13, 14) The index shall include a type equipment code cross reference followed by listing of each second, third, and fourth level nomenclatures listed as they appear in the text.

3.4.9.2 Aeronautical support equipment. (see figure 15) The index shall list in numerical/alphabetical order of nomenclature each fourth level system nomenclature, WUC, and type equipment code.

3.4.9.3 Airborne avionics equipment. (see figure 16) The index shall list in numerical/alphabetical order of nomenclature each fourth level system nomenclature followed by its associated WUC.

3.4.10 WUCs. (see figure 17) The WUC section of the manual shall list the applicable systems that make up the complete weapon system, training equipment, series of support equipment, or engine manual and shall be prepared in accordance with MIL-STD-780. WUC nomenclature will be indented in accordance with the level of code assignment.



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## 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein unless disapproved by the government. The government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements (see 6.2.1).

## 5. PACKAGING

5.1 Packaging requirements. The packaging, packing, and marking for shipment of material prepared in accordance with this specification shall be as specified in MIL-M-38784.

## 6. NOTES

6.1 Intended use. The WUC manual prepared to this specification will be used by maintenance personnel for coding maintenance feedback data for machine processing and subsequent analysis for maintenance management purposes.

6.2 Ordering data.

6.2.1 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Form in which data is to be supplied (see 3.3).
- c. Type of weapon system/equipment manual to be prepared (see 1.1).
- d. Responsibility for inspection (see 4.1).

6.2.2 Data requirements. When this specification is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of DAR 7-104.9(n)(2) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification is cited in the following paragraph:



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<u>Paragraph No.</u>	<u>Data Requirement Title</u>	<u>Applicable DID No.</u>	<u>Option</u>
3.3	Manual, technical standard	DI-M-2044A	-

(Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

6.3 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Preparing activity

Navy - AS

(Project - TMSS-N163)

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	<b>A1-F18AC-WUC-800</b>
	<b>TECHNICAL MANUAL</b>
	<b>WORK UNIT CODE</b>
	<b>F/A-18</b>
	<b>AIRCRAFT</b>
	<b>This manual supersedes</b> <b>A1-F18AA-WUC-800</b> <b>dated 1 June 1981.</b>
	<small>THIS PUBLICATION IS REQUIRED FOR OFFICIAL USE OR FOR ADMINISTRATIVE OR OPERATIONAL PURPOSES ONLY. DISTRIBUTION IS LIMITED TO U.S. GOVERNMENT AGENCIES. OTHER REQUESTS FOR THIS DOCUMENT MUST BE REFERRED TO COMMANDING OFFICER, NAVAL AIR TECHNICAL SERVICE FACILITY, 700 ROSSINI AVENUE, PHILADELPHIA, PA 19111.</small>
	<small>PUBLISHED BY DIRECTION OF THE COMMANDER, NAVAL AIR SYSTEMS COMMAND</small>
	<b>1 JUNE 1982</b>

FIGURE 1. Example of title page.

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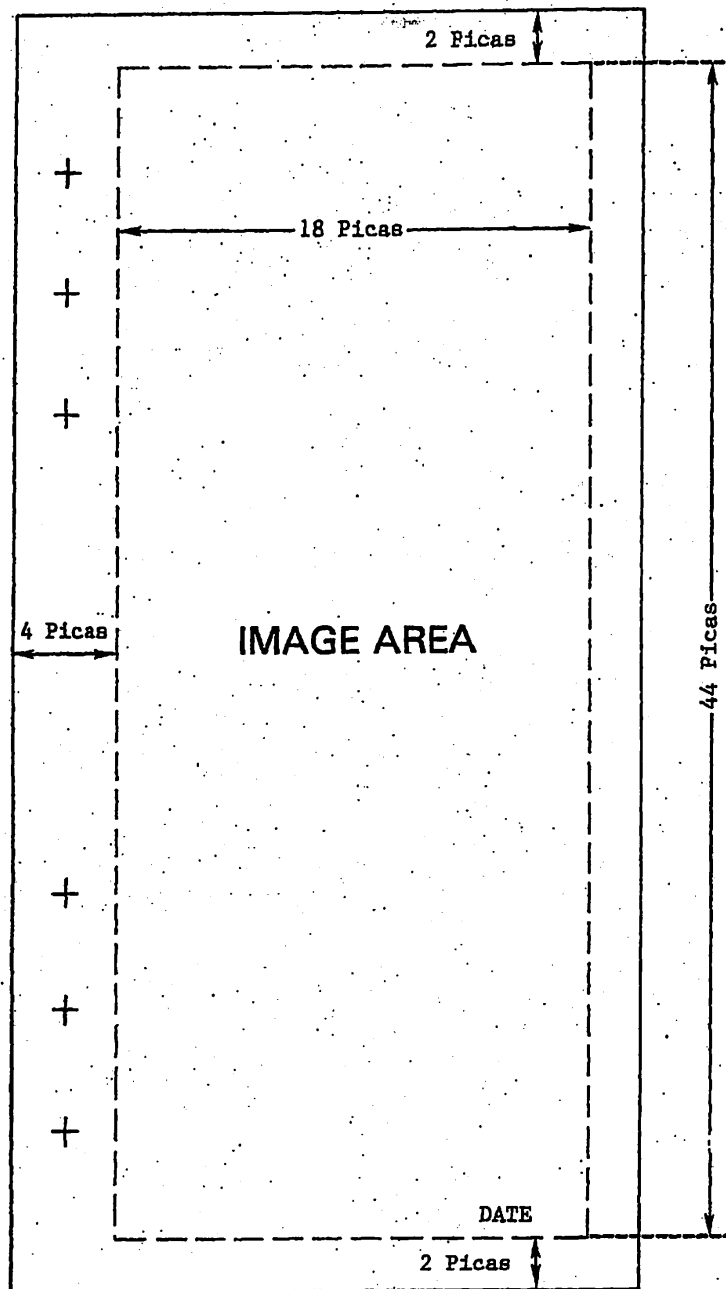


FIGURE 2. Title page image area dimensions.

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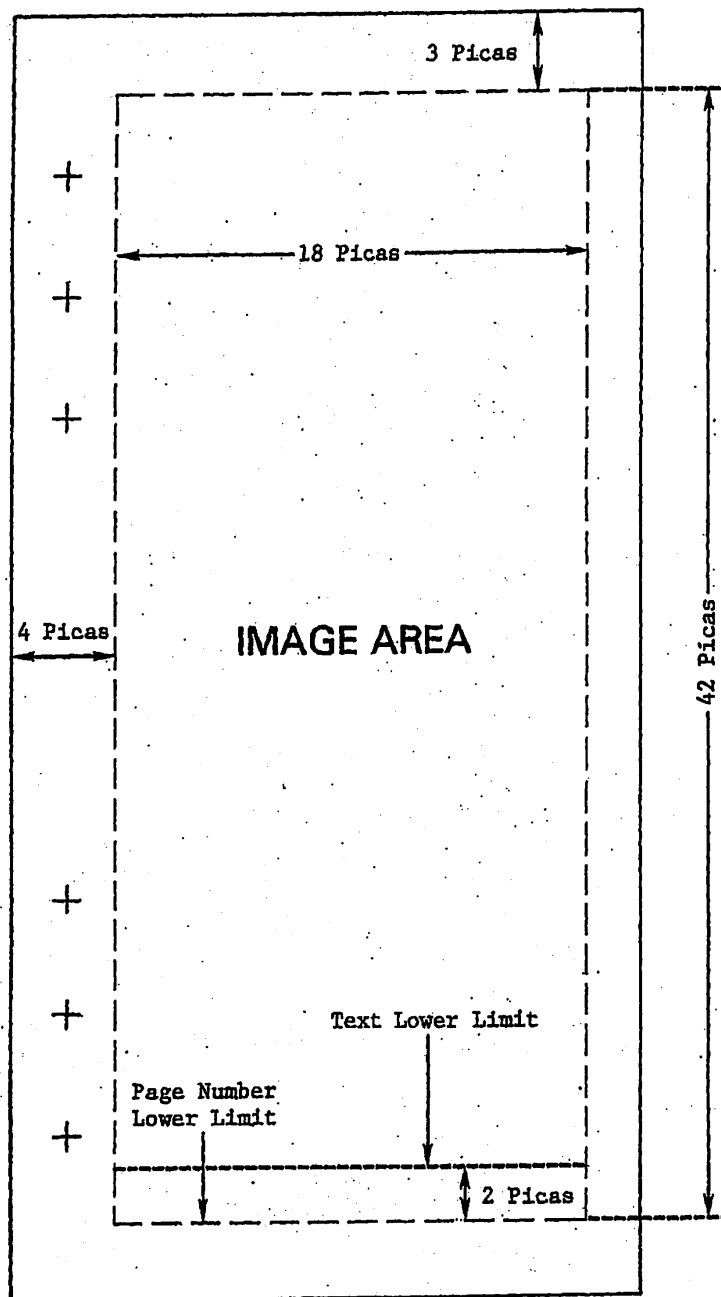


FIGURE 3. Text image area dimensions.

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## PREFACE

## 1. USE OF CODES

THE CODES CONTAINED HEREIN ARE USED FOR RECORDING MAINTENANCE DATA IN A MANNER THAT WILL BE ADAPTABLE TO ACCOUNTING MACHINE PROCESSING. THE MAINTENANCE FORMS ON WHICH THIS CODED DATA IS ENTERED ARE PROCESSED THROUGH A KEY PUNCH OPERATION, AND THE INFORMATION CONTAINED THEREON IS PUNCHED INTO ACCOUNTING MACHINE CARDS. THESE CARDS ARE THEN PROCESSED TO PRODUCE REPORTS FOR USE IN THE MANAGEMENT AND IMPROVEMENT OF THE MAINTENANCE, MATERIAL SUPPLY, AND EQUIPMENT DESIGN FUNCTION. IT IS THEREFORE IMPORTANT THAT ALL CODED INFORMATION ENTERED ON THE MAINTENANCE FORMS BE ACCURATE AND CLEARLY WRITTEN SO THAT KEY PUNCH MACHINE OPERATORS CAN READ AND ENTER THE INFORMATION CORRECTLY ON THE PUNCHED CARDS. THE REPORTS PRODUCED ARE SIGNIFICANT AND USEFUL ONLY IF THE CODES ARE CAREFULLY SELECTED AND ACCURATE.

A. WORK UNIT CODE: THIS CODE CONSISTS OF EITHER FIVE OR SEVEN NUMERIC AND ALPHABETIC CHARACTERS AND IS USED TO IDENTIFY THE SYSTEM, SUBSYSTEM, ASSEMBLY, COMPONENT, ETC., ON WHICH MAINTENANCE IS PERFORMED. THE FIVE CHARACTER CODE IS NORMALLY USED IN RECORDING 'ON EQUIPMENT' MAINTENANCE WORK. THE NUMBER 9 IS USED IN THE FIFTH DIGIT POSITION TO INDICATE 'NOT OTHERWISE CODED' (NOC). THE NOC CATEGORY IS NOT INTENDED AS A 'CATCH-ALL' CODE BUT RATHER AS A CODE UNDER WHICH OCCASIONAL OR NON-RECURRING DISCREPANCIES AND WORK ON NON-CODED ITEMS MAY BE REPORTED. RECURRING DISCREPANCIES ON NON-CODED ITEMS MAY INDICATE THE NEED FOR SPECIFIC CODES FOR SUCH ITEMS. THE SEVEN CHARACTER CODE IS AN EXPANSION OF THE BASIC FIVE CHARACTER CODE TO IDENTIFY FURTHER BREAKDOWN OF COMPONENTS TO LOWER LEVELS OF ASSEMBLY. EVERY LEVEL OF MAINTENANCE MUST USE THE MOST ACCURATELY DETAILING WORK UNIT CODE AVAILABLE TO REPORT THE ITEM BEING WORKED ON. HIGHER LEVELS OF MAINTENANCE HAVE THE RESPONSIBILITY TO EXPAND OR CORRECT WORK UNIT CODE REPORTING DISCREPANCIES DISCOVERED DURING SCREENING OR PROCESSING.

B. MALFUNCTION DESCRIPTION CODE: A THREE-CHARACTER NUMERIC CODE USED TO DESCRIBE THE MALFUNCTION OCCURRING ON OR IN AN ITEM IDENTIFIED BY A WORK UNIT CODE. CONDITIONAL MALFUNCTION CODES ARE INDICATED BY AN ASTERISK (\*) PRECEDING THE CODE. THE MALFUNCTION CODES ARE LISTED IN BOTH ALPHABETICAL AND NUMERICAL SEQUENCE IN THIS MANUAL.

C. WHEN DISCOVERED CODE: A ONE-CHARACTER CODE THAT IDENTIFIES WHEN THE NEED FOR MAINTENANCE WAS DISCOVERED.

D. ACTION TAKEN CODE: A ONE-CHARACTER ALPHABETIC OR NUMERIC CODE THAT DESCRIBES WHAT ACTION HAS BEEN ACCOMPLISHED ON THE ITEM IDENTIFIED BY THE WORK UNIT CODE.

E. SUPPORT ACTION CODE: A THREE-CHARACTER ALPHANUMERIC CODE THAT IDENTIFIES SPECIFIC CATEGORIES OF SUPPORT TYPE WORK OF A REPETITIVE NATURE NOT INVOLVING MALFUNCTIONS, REPAIRS, BCM, OR CONDEMNATION.

FIGURE 4. Example of preface.

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## PREFACE(Contd)

## TION ACTIONS.

F. TYPE MAINTENANCE CODE: A ONE-CHARACTER ALPHABETIC CODE THAT IDENTIFIES THE TYPE OF MAINTENANCE PERFORMED.

G. TRANSACTION CODE: A TWO-CHARACTER-NUMERIC CODE USED TO DENOTE THE TYPE OF DATA BEING REPORTED AND TO INDICATE THE CARD TYPE TO BE PRODUCED.

H. TYPE EQUIPMENT CODE: A FOUR-CHARACTER ALPHANUMERIC CODE THAT IDENTIFIES A COMPLETE END ITEM OR AN EQUIPMENT CATEGORY.

## 2. POSITION SENSITIVE INDICATORS

A POSITION CODE IDENTIFIES THE LOCATION OF A POSITION SENSITIVE ASSEMBLY. IT IS A TWO CHARACTER ALPHA OR NUMERIC CODE. EXAMPLES: ABBREVIATIONS LM/RM DENOTING LEFTHAND AND RIGHTHAND POSITIONS; ABBREVIATIONS FW/AF TO IDENTIFY FORE AND AFT POSITIONS; SEQUENTIAL NUMBERS 01, 02, 03 DENOTING RESPECTIVELY THE NUMBER 1, NUMBER 2, OR NUMBER 3 ASSEMBLY OF A POSITION SENSITIVE EQUIPMENT; A SPECIFIC SERIES OF CODES SUCH AS A1, B1, C1 - A2, B2, C2 - A3, B3, C3 TO DENOTE AN ARRAY OF NUMEROUS POSITIONS THAT CAN'T OTHERWISE BE IDENTIFIED BY ABBREVIATION OR SEQUENTIAL NUMBERS. IN THIS MANUAL, A POSITION SENSITIVE WUC WILL BE PRECEDED BY A "DOUBLE ASTERISK" (\*\*) FOLLOWED BY A POSITION CODE. FROM LEFT TO RIGHT, IT APPEARS AS FIVE DOTS IN THE WUC COLUMN FOLLOWED BY A DESCRIPTION IN THE Nomenclature COLUMN FOLLOWED BY THE POSITION CODE IN THE FAR RIGHT COLUMN. POSITION CODES ARE DOCUMENTED IN BLOCK 460 OF THE VIDS/WAF. THE NAVAL AIR TECHNICAL SERVICES FACILITY ASSIGNS POSITION CODES AFTER A RECOMMENDED ASSEMBLY HAS BEEN DESIGNATED AS POSITION SENSITIVE BY THE COGNIZANT FIELD ACTIVITY (CFA) AND AUTHORIZED BY NAVAIR.

## 3. SECURITY CLASSIFICATION

THE WORK UNIT CODE IDENTIFICATIONS CONTAINED IN THIS MANUAL HAVE BEEN SELECTED SO AS TO BE UNCLASSIFIED AND THEREBY FACILITATE UNRESTRICTED USE OF THIS PUBLICATION BY MAINTENANCE PERSONNEL. IF IT SHOULD BECOME NECESSARY TO CODE CLASSIFIED INFORMATION, A PROPERLY CLASSIFIED SUPPLEMENT TO THIS MANUAL WILL BE ISSUED. EXTREME CAUTION MUST BE EXERCISED WHEN PERFORMING MAINTENANCE ON CLASSIFIED EQUIPMENT SO AS NOT TO INCLUDE A CLASSIFIED WRITE-UP OR REMARKS ON THE MAINTENANCE FORM CONTAINING THE WORK UNIT CODE. IF ANY QUESTION EXISTS REGARDING THE SECURITY CLASSIFICATION OF THE MAINTENANCE INFORMATION TO BE RECORDED, REFER TO THE APPLICABLE DIRECTIVES CONCERNING THE EQUIPMENT AND/OR THE PARTICULAR SITUATION.

## 4. MULTI-FUNCTIONAL COMPONENTS

CERTAIN SINGLE COMPONENTS OR ITEMS IN A WEAPONS SYSTEM FUNCTIONALLY SERVE OR ARE ASSOCIATED WITH TWO OR MORE OF THE SYSTEMS LISTED IN THIS MANUAL. WHEN THIS OCCURS, THE WORK UNIT CODE FOR ANY SUCH COMPONENT IS ASSIGNED UNDER ONLY ONE OF THE SYSTEMS OR

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FIGURE 4. Example of preface - continued.

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## PREFACE (CONTD)

SUBSYSTEMS. HOWEVER, THE COMPONENT IS ALSO LISTED IN ITS PROPER PLACE IN THE OTHER SYSTEM(S), BY NOMENCLATURE ONLY, WITH REFERENCE TO THE PREVIOUSLY ASSIGNED WORK UNIT CODE, I.E., "INDICATOR (REF. 71114)." FIVE DASHES IN THE COLUMN OF CODES INDICATES SUCH REFERENCED ITEMS.

## 5. AUTHORITY FOR COMPONENT REPAIR

THE SIXTH AND SEVENTH CHARACTERS OF THE WORK UNIT CODES, WHEN USED, IDENTIFY THE REPAIRABLE SUB-UNITS AND PARTS OF THE END ITEM COMPONENT. HOWEVER, THE CODED BREAKDOWN OF SUCH COMPONENTS IN THIS MANUAL DOES NOT CONSTITUTE AUTOMATIC AUTHORITY FOR DISASSEMBLY AND REPAIR. SUCH AUTHORITY IS CONTAINED IN NAVAL AIR SYSTEMS COMMAND INSTRUCTION 4423.3A FOR CONDUCT OF THE COMPONENT REPAIR PROGRAM. CERTAIN COMPONENTS, ALTHOUGH CODED TO THE SIXTH AND SEVENTH CODE POSITIONS, ARE CURRENTLY AUTHORIZED FOR DISASSEMBLY ONLY AT THE DEPOT LEVEL MAINTENANCE.

6. USING ACTIVITIES SHALL INSURE THAT THE DATA COLLECTION CODES IN ACCORDANCE WITH THE LATEST APPROVED EDITION/CHANGE OF OPNAVINST 4790.2 ARE UTILIZED. IN CASE OF CONFLICT BETWEEN MAINTENANCE DATA COLLECTION CODES IDENTIFIED IN OPNAVINST 4790.2 AND THIS PUBLICATION, THE CODES LISTED IN THE INSTRUCTION WILL TAKE PRECEDENCE.

## 7. RECOMMENDED CHANGES

CODES CONTAINED IN THIS MANUAL SHALL NOT BE CHANGED, MODIFIED, DELETED, OR EXPANDED EXCEPT BY THE NAVAL AIR TECHNICAL SERVICES FACILITY. RECOMMENDED CHANGES PERTAINING TO THE TECHNICAL CONTENT OF THIS MANUAL SHOULD BE DIRECTED TO THE NAVAL AIR TECHNICAL SERVICES FACILITY (CODE 34).

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FIGURE 4. Example of preface - continued.



FIGURE 5. Example of malfunction description code list  
in numerical sequence.

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MALFUNCTION DESCRIPTION CODES		ALPHABETICAL LISTING
CODE	DESCRIPTION	
955	ABNORMAL FUNCTION OF COMPUTER MECHANICAL EQUIPMENT	
314	ACCELERATION IMPROPER	
030	ACCIDENT/INCIDENT (GROUND)	
931	ACCIDENTAL OR INADVERTENT OPERATION, RELEASE, OR ACTIVATION	
127	ADJUSTMENT OR ALIGNMENT IMPROPER	
687	AFTERBURNER LIGHT HARD OR LATE	
651	AIR IN SYSTEM	
007	ARCING/ARCED	
694	AUDIO AND VIDEO FAULTY	
693	AUDIO FAULTY	
652	AUTOMATIC ALION TIME EXCESSIVE	
838	B+PLUS HIGH	
839	B+PLUS LOW	
455	BALANCE INCORRECT/OUT OF BALANCE	
731	BATTLE DAMAGE	
710	BEARING FAULTY/FAILING	
700	BENT	
135	BINDING	
303	BIRD STRIKE DAMAGE	
050	BLISTERED	
070	BROKEN	
183	BROKEN MAGNETIC TAPE	
719	BROKEN OR PRAYED BONDING/GROUND WIRE	
160	BROKEN WIRE, OR DEFECTIVE CONTACT/CONNECTION	
108	BROKEN, FAULTY, OR MISSING SAFETY WIRE/KEY	
720	BRUSH FAILURE-EXCESSIVE WEAR	
780	BUCKLED	
080	BURNED OUT LIGHT BULBS OR FUSES	
900	BURNT OR OVERHEATED	
070	BURST	
959	CANNOT RESONATE INPUT-CAVITY	
020	CHAFED	
130	CHANGE OF VALUE	
150	CHATTERING	
425	CHIPPED	
180	CLOGGED, OBSTRUCTED, PLUGGED	
780	COLLAPSED	
163	COMMUTATOR/SLIP RING FAILURE	
181	COMPRESSION LOW	
020	CONDUCTANCE INCORRECT	
165	CONTAMINATION	
989	COOLANT FLOW RATE, LOW	
970	COOLANT LEAK	
170	CORRODED	
606	COUNTER RUN-OFF, POSITION INDICATOR	
190	CRACKED/CRAZED	
029	CURRENT INCORRECT	
070	CUT	
105	DAMAGED HARDWARE	
972	DAMAGED INPUT PROBE	
973	DAMAGED OUTPUT PROBE	
955	DATA LINK HIGH ERROR	
310	DECELERATION IMPROPER	
044	DELAMINATED	
780	DENTED	
117	DETERIORATED/ERODED	
601	DETONATION	
306	DIRTY	
950	DISPLAY INCORRECT	

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FIGURE 6. Example of malfunction description code list in alphabetical sequence.

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WHEN DISCOVERED CODES

+	CODE	DESCRIPTION
	A.	BEFORE FLIGHT - ABORT - AIR CREW. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED BY AN AIR CREW BEFORE FLIGHT AND IT IS NECESSARY TO ABORT THE MISSION.
+	B.	BEFORE FLIGHT - NO ABORT - AIR CREW. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED BY AN AIR CREW BEFORE FLIGHT AND IT IS NOT NECESSARY TO ABORT THE MISSION.
	C.	IN-FLIGHT - ABORT. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED IN FLIGHT AND IT BECOMES NECESSARY TO ABORT THE MISSION.
+	D.	IN-FLIGHT - NO ABORT. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED IN FLIGHT AND IT IS NOT NECESSARY TO ABORT THE MISSION.
	E.	AFTER FLIGHT/BETWEEN FLIGHT- AIR CREW. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED AFTER COMPLETION OF A FLIGHT OR BETWEEN TWO FLIGHTS.

EXAMPLES:

	1.	A PILOT, ALIGHTING FROM AN AIRCRAFT AFTER COMPLETING A PHOTO MISSION, NOTICES THAT AN ACCESS PANEL IS MISSING FROM THE TAIL SECTION. CODE E WOULD BE USED.
	2.	DURING A PASSENGER STOP, A PILOT NOTICES A SUDDEN DROP IN FUEL PRESSURE. CODE E WOULD BE USED.
	F.	PILOT'S/NFO WEEKLY INSPECTION. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED DURING A PILOT/NFO WEEKLY AIRCRAFT INSPECTION.
	G.	ACCEPTANCE/TRANSFER INSPECTION. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED DURING AN ACCEPTANCE/TRANSFER INSPECTION, REGARDLESS OF THE DEPTH OF THE INSPECTION.
	H.	BETWEEN FLIGHTS - GROUND CREW. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED BETWEEN FLIGHTS BY PERSONNEL OTHER THAN THE AIR CREW.
+		EXAMPLE: A TAXI DIRECTOR NOTICES AN OIL LEAK FROM AN ENGINE WHILE DIRECTING A PILOT INTO THE CHOCKS. CODE H WOULD BE USED.
	J.	DAILY INSPECTION. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED DURING A DAILY INSPECTION WHICH IS PERFORMED INDEPENDENTLY OF ANY OTHER INSPECTION. DOES NOT APPLY WHEN THE DAILY INSPECTION IS COMBINED WITH A PREFLIGHT OR SPECIAL INSPECTION. (SEE CODE K AND L BELOW).
+		
	K.	PREFLIGHT, DAILY/PREFLIGHT, POSTFLIGHT, OR TURN-AROUND INSPECTION. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED DURING A PREFLIGHT, COMBINED DAILY/PREFLIGHT, POSTFLIGHT OR TURNAROUND INSPECTION.
+		

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FIGURE 7. Example of when discovered code list.

## MIL-M-23782C(AS)

ACTION TAKEN CODES	
CODE	DESCRIPTION
	ACTION TAKEN CODES 1 THROUGH 9 ARE RESTRICTED TO THOSE REPAIRABLE ITEMS OF MATERIAL WHICH HAVE BEEN ADMINISTRATIVELY OR TECHNICALLY SCREENED AND FOUND TO BE NOT-REPAIRABLE AT AN AIND/IMA (BY DESIGNATED INTERMEDIATE LEVEL PERSONNEL AUTHORIZED TO MAKE THESE DETERMINATIONS). IN KEEPING WITH THE PHILOSOPHY OF REPAIR AT THE LOWEST PRACTICABLE LEVEL, THE AIND/IMA IS AUTHORIZED TO PERFORM ANY AND ALL FUNCTIONS FOR WHICH IT HAS OR CAN BE GRANTED AUTHORITY AND THE CAPABILITY TO PERFORM AND MEET PERFORMANCE SPECIFICATIONS.
1.	BCM - REPAIR NOT AUTHORIZED. THIS CODE IS ENTERED ONLY WHEN THE ACTIVITY IS SPECIFICALLY NOT AUTHORIZED TO REPAIR THE ITEM IN APPLICABLE DIRECTIVES. THIS CODE WILL BE USED ONLY IF NO OTHER CODE IS APPROPRIATE.
2.	BCM - LACK OF EQUIPMENT, TOOLS, OR FACILITIES. THIS CODE IS ENTERED WHEN THE REPAIR IS AUTHORIZED BUT CANNOT BE PERFORMED BECAUSE OF A LACK OF EQUIPMENT, TOOLS, OR FACILITIES.
3.	BCM - LACK OF TECHNICAL SKILLS. THIS CODE IS ENTERED WHEN REPAIR IS AUTHORIZED BUT CANNOT BE PERFORMED BECAUSE OF A LACK OF TECHNICAL SKILLS.
4.	BCM - LACK OF PARTS. THIS CODE IS ENTERED WHEN REPAIR IS AUTHORIZED BUT CANNOT BE PERFORMED BECAUSE REQUIRED PARTS WILL NOT BE AVAILABLE WITHIN GUIDELINES ESTABLISHED BY APPLICABLE DIRECTIVES.
5.	BCM - FAILS CHECK AND TEST. THIS CODE IS ENTERED WHEN THE ACTIVITY'S AUTHORIZED LEVEL OF MAINTENANCE IS LIMITED TO CHECK AND TEST ONLY, AND REPAIR IS REQUIRED.
6.	BCM - LACK OF TECHNICAL DATA. THIS CODE IS ENTERED WHEN REPAIR IS AUTHORIZED BUT CANNOT BE PERFORMED BECAUSE OF A LACK OF TECHNICAL DATA.
7.	BCM - BEYOND AUTHORIZED REPAIR DEPTH. THIS CODE IS ENTERED WHEN SOME LEVEL OF REPAIR BEYOND CHECK AND TEST IS AUTHORIZED BUT THE DEPTH OF REPAIR REQUIRED TO RETURN THE COMPONENT TO AN RFI CONDITION IS BEYOND THE ACTIVITY'S AUTHORIZED REPAIR LEVEL AS INDICATED IN APPLICABLE DIRECTIVES (E.G., MAINTENANCE PLAN, MAINTENANCE MANUALS ETC.).
8.	BCM - ADMINISTRATIVE. THIS CODE IS ENTERED WHEN REPAIR IS AUTHORIZED AND FEASIBLE BUT NOT ATTEMPTED DUE TO BUDGETARY LIMITATIONS, EXCESSIVE BACKLOG, OR MATERIALS IN EXCESS OF REQUIREMENTS. SUCH DETERMINATIONS CAN ONLY BE MADE JOINTLY BY THE MAINTENANCE AND SUPPLY OFFICERS.
9.	BCM - CONDEMNED. THIS CODE IS ENTERED WHEN A REPAIRABLE ITEM IS SO SEVERELY WORN OR DAMAGED THAT REPAIR IS NOT FEASIBLE. THE ITEM IS LOCALLY

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FIGURE 8. Example of action taken code list.

## MIL-M-23782C(AS)

NAVAIR 01-250HD-8		01 JUN 1982
SUPPORT ACTION CODES		
+	CODE	DESCRIPTION
	THE FOLLOWING CODES WILL BE USED ON THE SAF ONLY, EXCEPT IN THE CASE OF 030 AND 040 FOR SCHEDULED INSPECTIONS.	
	CODES INCLUDE	
+	010	OPERATIONAL SUPPORT. INCLUDES SERVICING, FOD PREVENTION, GROUND HANDLING, STANDING BY AIRCRAFT AND SUPPORT EQUIPMENT, AND MISSION CONFIGURATION OF AIRCRAFT/SUPPORT EQUIPMENT FOR A SPECIFIC MISSION.
+		GROUND HANDLING. INCLUDES MANNING AIRCRAFT/SUPPORT EQUIPMENT FOR LAUNCH/RECOVERY, TAXI, DIRECTING THE MOVEMENT OF AIRCRAFT/SUPPORT EQUIPMENT TO AND FROM MAINTENANCE AREAS AND MOVING FOR RESPO, ETC; REMOVING AND INSTALLING SAFETY PINS, COVERS, LOCKS, CHOCKS, GROUND WIRES, TIE-DOWNS, CHAINS, CABLES. ALSO INCLUDES THE OPERATION OF AIRCRAFT/SUPPORT EQUIPMENT IN SUPPORT OF OTHER MAINTENANCE.
		SERVICING. THE PREPARATION OF AN AIRCRAFT/SUPPORT EQUIPMENT FOR FLIGHT/OPERATION. SUCH PREPARATION INCLUDES REPLENISHMENT/REMOVAL OF CONSUMABLE ITEMS USED DURING FLIGHT OPERATION SUCH AS FUEL, OIL, WATER, ALCOHOL, HYDRAULIC FLUID, OXYGEN, AIR, NITROGEN, AMMUNITION/BOMBS, PRE-OIL, ANTI-FREEZE, FREON, ETC.
		MISSION CONFIGURATION. THE INSTALLATION/REMOVAL OR VERIFICATION OF AIRCRAFT EQUIPMENT/SUPPORT EQUIPMENT TO PERFORM A SPECIFIC MISSION OR TRAINING REQUIREMENT SUCH AS BUDDY STORES/TANKS, IFR, WEAPON SYSTEMS, CONVENTIONAL/SPECIAL SEARCH GEAR, LIGHTS/RADAR/NAVIGATION AIDS, ECM JAMMING DEVICES, JATO, PHOTO DEVICES, CHEMICAL DEVICES, SEAT/STRETCHERS, FLotation GEAR, BALLAST, CONFIGURATION OF AIRCRAFT TO ACCEPT CARGO, ETC.
		GROUND SAFETY. THE ARMING/DEARMING OF SEATS, CANOPIES, ESCAPE DOORS, HATCHES, RACKS, PYLONS, EJECTORS, SQUIBS, FOD PREVENTION, FOD WALKDOWN, ETC.
+	020	CLEANING/DEPRESERVATION. INCLUDES VACUUM CLEANING, POLISHING, REMOVAL OF ICE/SNOW AND DEPRESERVATION OF AIRCRAFT AND SUPPORT EQUIPMENT. EXCLUDES ACTIONS ASSOCIATED WITH CORROSION PREVENTION. (SEE CODE 040)
+	030	INSPECTION. AN EXAMINATION OF AIRCRAFT/SUPPORT EQUIPMENT/ENGINES TO DETERMINE MATERIAL CONDITION AT PRESCRIBED INTERVALS OF HOURS/DAYS/WEEKS. EXCLUDES INSPECTIONS FOR THE SOLE PURPOSE OF DETECTING CORROSION. (SEE CODE 040)
+		PREFLIGHT INSPECTIONS. ACCOMPLISHED PRIOR TO EACH FLIGHT. CONSISTS OF CHECKING THE AIRCRAFT FOR FLIGHT PREPAREDNESS BY PERFORMING VISUAL EXAMINATION AND SYSTEMS TEST WHEN APPLICABLE TO
		XXI

FIGURE 9. Example of support action code list.

## MIL-M-23782C(AS)

NAVAIR 01-250HD-0		01 JUN 1982
TYPE MAINTENANCE CODES		
+	CODE	DESCRIPTION
THE FOLLOWING TYPE MAINTENANCE CODES ARE PRESCRIBED FOR USE ON THE VIDS/MAF OR SAF, AS INDICATED.		
+	A.	GENERAL SUPPORT, ROUTINE, REPETITIVE TYPE TASKS THAT DO NOT INVOLVE MALFUNCTIONS, REPAIRS OF AERONAUTICAL EQUIPMENT, CONDEMNATION ACTIONS, OR INSPECTIONS, USED ON THE SAF ONLY.
+	B.	UNSCHEDULED MAINTENANCE, USED ON THE VIDS/MAF ONLY, FOR ALL MAINTENANCE ACTIONS EXCEPT THE FOLLOWING: (1) THE LOOK PHASE OF ANY INSPECTION. (2) THE LOOK AND FIX PHASE OF ALL AIRCRAFT INSPECTIONS, ENGINE INSPECTIONS, OSE PH INSPECTIONS, AND MISSILE EQUIPMENT REHABILITATION INSPECTIONS. (3) CALIBRATION OF PRECISION MEASURING EQUIPMENT (4) TRANSIENT MAINTENANCE.
+	C.	TURNAROUND, PREFLIGHT, PREOPERATIONAL, OR PRELAUNCH INSPECTIONS, TURNAROUND AND PREFLIGHT INSPECTIONS ON AIRCRAFT, PREOPERATIONAL INSPECTIONS ON OSE, AND PRELAUNCH INSPECTIONS ON MISSILE TARGETS, AS SPECIFIED IN THE APPLICABLE MRC, USED ON THE SAF ONLY.
	D.	DAILY/POSTFLIGHT/SPECIAL, OR POSTOPERATIONAL INSPECTIONS, DAILY, POSTFLIGHT AND SPECIAL INSPECTIONS ON AIRCRAFT; DAILY AND POSTOPERATIONAL INSPECTIONS ON OSE; AND ALL OTHER INSPECTIONS NOT OTHERWISE COVERED BY A TYPE MAINTENANCE CODE (FOR EXAMPLE, LOCAL REQUIREMENTS FOR DAILY/WEELY/MONTHLY OSE INSPECTIONS, AND EQUIPMENT WITH A PRESCRIBED STANDARD INSPECTION CYCLE, SUCH AS MINI-REOS, PARACHUTES NOT COVERED BY AN MRC, SURVIVAL EQUIPMENT, ETC.), USED ON THE VIDS/MAF FOR DAILY/SPECIAL INSPECTIONS; ON THE SAF FOR ALL OTHERS.
	E.	ACCEPTANCE/TRANSFER INSPECTION, ACCEPTANCE AND TRANSFER INSPECTIONS ON AIRCRAFT, OSE, AND MISSILE TARGETS, USED ON THE VIDS/MAF ONLY.
	F.	TRANSIENT MAINTENANCE, MAINTENANCE OR SUPPORT ACTIONS PERFORMED ON EQUIPMENT IN A TRANSIENT STATUS.
+	G.	PHASED INSPECTION, PHASED MAINTENANCE INSPECTIONS ON AIRCRAFT (EXCLUDING UNINSTALLED ENGINE INSPECTIONS), BOTH LOOK PHASE AND FIX PHASE, USED ON THE VIDS/MAF ONLY.
+	J.	MAJOR ENGINE INSPECTION, THIS CODE IS USED FOR MAJOR ENGINE INSPECTIONS, BOTH INSTALLED AND UNINSTALLED, FOR BOTH THE LOOK AND FIX PHASE. THIS CODE IS USED ON THE VIDS/MAF ONLY.
+	K.	SPECIAL ENGINE INSPECTION, THIS CODE IS USED FOR ALL SPECIAL INSPECTIONS PERFORMED ON ENGINES, INSTALLED OR UNINSTALLED, FOR BOTH THE LOOK AND FIX PHASE. THIS CODE IS USED ON THE VIDS/MAF ONLY.
+		
	KRV	

FIGURE 10. Example of type maintenance code list.

MIL-M-23782C(AS)

01 JUN 1982		NAVAIR 01-250MD-8	
TRANSACTION CODES			
+	CODE	DESCRIPTION	
THE TRANSACTION CODES LISTED BELOW ARE TO BE ENTERED IN BLOCK A32 OF THE VIDS/MAF. TRANSACTION CODES DENOTE THE TYPE OF DATA BEING REPORTED. CODES 00, 02, AND 03 PARTICULARLY ARE FOR REPORTING CUSTODIANS.			
+	TRANS CODE	TYPE TRANSACTION	
	00.	IS USED TO REPORT AN INVENTORY GAIN.	
	02.	IS USED TO REPORT A CHANGE IN THE READINESS REPORTABLE STATUS (RRS) OF AN EQUIPMENT, E.G., IN/OUT REPORTING.	
+	03.	IS USED TO REPORT AN EQUIPMENT LOSS.	
	11. A.	ON-EQUIPMENT WORK, NOT INVOLVING REMOVAL OF DEFECTIVE OR SUSPECTED DEFECTIVE COMPONENTS/ITEMS.	
	B.	ON SUPPORTING ENGINE DOCUMENTS, NOT HAVING A REMOVAL OF A DEFECTIVE OR SUSPECTED DEFECTIVE COMPONENT/ITEM, WHEN THE ENGINE IS NOT SPECIFICALLY IDENTIFIED TO A PARTICULAR AIRCRAFT, E.G., JRPX.	
	C.	THIS CODE IS ALSO USED AT THE ORGANIZATIONAL/INTERMEDIATE LEVEL MAINTENANCE ACTIVITIES WHEN CLOSING OUT A MAINTENANCE ACTION.	
	12. A.	ON-EQUIPMENT WORK, (INCLUDING ENGINES), INVOLVING NONREPAIRABLE COMPONENTS/ITEMS, DOCUMENTED AS FAILED PARTS.	
	B.	ENGINE IDENTIFICATION DOCUMENTED IN THE FAILED/REQUIRED MATERIAL BLOCKS (M-2) AND INDEXED (USE TRCODE 12).	
	14.	REMOVAL OF A NON-DEFECTIVE COMPONENT/ITEM (EXCLUDING CANNIBALIZATION, SEE TRANSACTION CODE 19), FROM AN ENGINE, TO BE PROCESSED AT THE ORGANIZATIONAL LEVEL MAINTENANCE ACTIVITY. (TRANSACTION CODE 18 WILL BE USED FOR THE REMOVAL AND REPLACEMENT OF A COMPLETE NON-DEFECTIVE ENGINE.) IN THE CASE OF A NON-SERIALIZED COMPONENT/ITEM, BLOCK E13 OF THE VIDS/MAF MAY BE LEFT BLANK. (SEE NOTE.)	
+	15.	INSTALLATION OF A NON-DEFECTIVE COMPONENT/ITEM (EXCLUDING CANNIBALIZATION, SEE TRANSACTION CODE 19), ON AN ENGINE TO BE PROCESSED AT AN ORGANIZATIONAL LEVEL MAINTENANCE ACTIVITY. IN THE CASE OF A NON-SERIALIZED COMPONENT/ITEM, BLOCK 013 OF THE VIDS/MAF MAY BE LEFT BLANK. (SEE NOTE.)	
+	16.	REMOVAL OF A NON-DEFECTIVE COMPONENT/ITEM, EXCLUDING ENGINE COMPONENTS/ITEMS AND CANNIBALIZATION, (SEE TRANSACTION CODE 18) TO BE PROCESSED AT AN ORGANIZATIONAL LEVEL MAINTENANCE ACTIVITY. IN THE CASE OF A NON-SERIALIZED COMPONENT/ITEM, BLOCK E13 OF THE VIDS/MAF MAY BE	
+			
+			

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FIGURE 11. Example of transaction code list.



MIL-M-23782C(AS)

NAVAIR 01-V8-B		01 JAN 1982		
TYPE EQUIPMENT CODES				
+	ENGINE		AIRCRAFT	
	CODE	TYPE	TYPE	CODE
	TUAC	F402-RR-400	AV-8A	AYLA
	TUBC	F402-RR-401	AV-8A	AYLA
+	TUCA	F402-RR-401A	AV-8A	AYLA
	TUDA	F402-PR-403	AV-8A	AYLA
	TUEA	F402-RR-402	AV-8A	AYLA
	TUEB	F402-RR-402	TAV-8A	AYLB
+	TUFA	F402-RR-402A	AV-8A	AYLA
	TUGA	F402-RR-401B	AV-8A	AYLA
	TUHA	F402-RR-401C	AV-8A	AYLA
	TUJA	F402-RR-402B	AV-8A	AYLA
	TUJB	F402-RR-402B	AV-8C	AYLO
	TUKA	F402-RR-402C	AV-8A	AYLA

+

+

+

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FIGURE 12. Example of type equipment code cross reference for aircraft, missile, and engine manuals.

MIL-M-23782C(AS)

NAVAIR-09-S3AA-8		15 FEB 1980
TYPE EQUIPMENT CODES		
NOMENCLATURE	DEVICE DESIGNATOR	CODE
S-3A WST FLT TRNR	2F92	V58A
S-3A POSITION TRNR	14849	V58B
S-3A WST TACTICS	2F92	V58C
S-3A WST FLT TRNR	2F92A	V58D
S-3A WST JAG TRNR	2F92A	V58E
S-3A TACTICS TRNR	14850	V58F
S-3A CKPT PROC TRNR	2C44	V58G

FIGURE 13. Example of type equipment code cross reference for training equipment manuals.

## MIL-M-23782C(AS)

	15 FEB 1980	NAVAIR 01-KXXX-8
	INDEX	
+	SYSTEM CODES	
	11 AIRFRAME	
	FORWARD FUSELAGE STRUCTURE	
	CENTER FUSELAGE STRUCTURE	
	CENTER FUSELAGE STRUCTURE (CONTD)	
	CENTER FUSELAGE STRUCTURE (CONTD)	
	CENTER FUSELAGE STRUCTURE (CONTD)	
	CENTER FUSELAGE STRUCTURE (CONTD)	
	AFT FUSELAGE STRUCTURE	
	AFT FUSELAGE STRUCTURE (CONTD)	
	WING STRUCTURE	
	12 FUSELAGE COMPARTMENTS	
	CANOPY SYSTEM	
	EJECTION SEAT SYSTEM	
	SEU3/A-SJUI/A-SJUE/A EJM SEAT SYSTEM	
	COCKPIT CONSOLES/PANELS/RELATED EQPT	
	13 LANDING GEAR	
	LANDING GEAR SYSTEM	
	14 FLIGHT CONTROLS	
	AIRCRAFT FLIGHT CONTROL SYSTEMS	
	24 AUXILIARY POWER PLANT (AIBORNE)	
	GT5/APU SYSTEM MK2	
	27 TURBOFAN ENGINES	
	FA02RR ENGINE	
	LOW PRESSURE COMPRESSOR SECTION	
	COMBUSTION SECTION	
	TURBINE SECTION	
	EXHAUST SECTION	
	ACCESSORY GEARBOX/DRIVES SECTION	
	FUEL SYSTEM	
	OIL SYSTEM	
	ELECTRICAL SYSTEM	
	IGNITION SYSTEM	
	AIR SYSTEM	
	WATER INJECTION SYSTEM	
	INTERMEDIATE SECTION	
	HIGH PRESSURE COMPRESSOR SECTION	
+	29 POWER PLANT INSTALLATION	
	POWER PLANT CONTROL SYSTEMS	
	QUICK ENGINE CHANGE V-8	
	41 AIR CONDITIONING/PRESSURIZATION	
	AIR COND/PRSRZ/ANTI-G SYSTEMS	
+	42 ELECTRICAL SYSTEM	
	AIRCRAFT WIRING	
	AVIONICS SYSTEMS WIRING	
	WEAPON DELIVERY SYSTEMS WIRING	
	PHOTOGRAPHIC/RECONNAISSANCE SYS WIRING	
	INSTRUMENTATION WIRING	
	POWER GENERATION/DISTR/CONTROL SYSTEM	
+		
	2	

FIGURE 14. Example of system index for aircraft, missile, training equipment and engines.

## MIL-M-23782C(AS)

NAVATR 16-1-8.4		01 DEC 1981	
INDEX			
	NOMENCLATURE	MUC	TEC
+	123RT101R7-3 EVAPORATOR TEST STAND	78CA0	SDBX
	24134 SWEPT HMMDDYNE GENERATOR SYSTEM	79AH0	DHAA
	7106 COOLANT CART, GAC 112RSCF600	79BA0	DHAA
+	8200 INTEGRATED MEASUREMENT SYSTEM	78CA0	DAAA
	AMMETERS	79PH0	DAAA
	AN/APM375( ) SEARCH RADAR TEST CONSOLE	78ED0	SCB6
+	AN/APM375( ) SRCH RDR TEST CSL (CONTD)	78EE0	SCB6
	AN/APM375( ) SRCH RDR TEST CSL (CONTD)	78EF0	SCB6
	AN/ARM19 SIGNAL GENERATOR TEST SET	79AA0	DHAA
+	AN/ARM24 SIGNAL GENERATOR TEST SET	79AB0	DHAA
	AN/ARM61 SIGNAL GENERATOR TEST SET	79AC0	DHAA
	AN/ASH130( ) ENG PERFORMANCE TEST SET	79KD0	DHAA
+	AN/ASM164 ELECTRICAL POWER TEST SET	79KE0	SCBY
	AN/ASM168 USKLD TEMP CONT TEST SET	79KF0	DHAA
	AN/ASH175 WAS FOR AN/ASH459	78ED0	QHWN
+	AN/ASH175 WAS FOR AN/APM375	78KJ0	QHWN
	AN/ASH175 WAS FOR VAST	78KH0	QHWN
	AN/ASH196 PROP/RYLON DEICER TEST SET	79KJ0	SDB1
+	AN/ASH381 THRM RADN SYS TEST SET	79BC0	DHAA
	AN/ASH390 CKPT ENVIR CONT TEST SET	79KR0	DHAA
	AN/ASH449 ANALYZER ENCODER TEST SET	78EB0	QHNS
+	AN/ASH459( ) PSTC MINI-SACE	78EK0	QHNR
	AN/ASH459( ) PSTC MINI-SACE (CONTD)	78EN0	QHNR
	AN/ASH461( ) DISPLAY TEST CONSOLE	78EG0	SCB7
+	AN/DRH20 SIGNAL GENERATOR	79AY0	DHAA
	AN/GRM4 SIGNAL GENERATOR TEST SET	79AD0	DHAA
	AN/OSM238 ULTRASONIC FLAW DETECTOR SET	79AU0	DHAA
+	AN/OSM74 GENERATOR CONTROL TEST SET	79AZ0	DHAA
	AN/PSM20( ) ELEC POWER TEST SET	79BA0	DHAA
	AN/PSM21( ) AIR COND SYS TEST SET	79BB0	DHAA
+	AN/TRM3 RADIO GENERATOR TEST SET	79AS0	DHAA
	AN/UJM2 FLIGHT CONTROL TEST BENCH	78MB0	SBBE
	AN/ULM1 ECM EQPT TEST BENCH	78MH0	SBBF
+	AN/URM128 RADIO SET TEST BENCH	78MD0	SBBG
	AN/URM129 SIGNAL GENERATOR TEST SET	79AF0	DHAA
	AN/URM25( ) GENERATOR TEST SET	79AG0	DHAA
+	AN/URM26( ) GENERATOR TEST SET	79AH0	DHAA
	AN/USA11 PROGRAMMING TEST SET	78MH0	SBBJ
	AN/USA12 CONTROL GUIDANCE TEST SET	78MP0	SBBK
+	AN/USA13 RADAR RADIO TEST GROUP	78MH0	DCAA
	AN/USM126 PROGRAMMING TEST BENCH	78MA0	SBBB
	AN/USM127 SYSTEM ANALYZER TEST BENCH	78MF0	SBBC
+	AN/USM226 SIGNAL GENERATOR TEST SET	79AR0	DHAA
	AN/USM247 ID FOR AN/USM247	78KB0	GVAB
	AN/USM247 ID FOR AVIONICS GENERAL	78PA0	GVAB
+	AN/USM247 SUPPORT EQUIPMENT	78KA0	GVAB
	AN/USM247 TEST STATION	78HA0	GVAB
	AN/USM247 TEST STATION (CONTD)	78HE0	GVAB
+	AN/USM247 TEST STATION (CONTD)	78HF0	GVAB
	AN/USM247 TEST STATION (CONTD)	78HG0	GVAB
	AN/USM247 TEST STATION (CONTD)	78HH0	GVAB
+	AN/USM247 TEST STATION (CONTD)	78HJ0	GVAB
	AN/USM344 ELEC SWEEPER CART	79DA0	DHAA
	AN/USM371( ) 1C CKT CD TEST SET	79XN0	DHAA
+	AN/USM402(V) ( ) SWEPT FREQ TEST SET	79DG0	GHPQ
	AN/USM403 ELEC EQPT TEST SET	78AA0	SUDD
	AN/USM403 ID FOR AVIONICS GENERAL	78AB0	SUDD
+	AN/USM429 ID FOR MINI-SACE	78DB0	QHMT
	AN/USM429 ID FOR VAST SRA	78DA0	GVAB
	AN/USM449(V) ELEC CNT PLUG IN TS	78GB0	SHBD

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FIGURE 15. Example of index for aeronautical support equipment.

## MIL-M-23782C(AS)

NAVAIR 16-30-704-8		01 SEP 1981
INDEX		
	NOMENCLATURE	MUC
+	686C RADAR TRACKING SYSTEM	745H0
	A/A248-4 ACFT MONITOR CONT (AMAC) SYS	745A0
+	AERO 10 FIRE CONTROL SET	74970
	AERO 18( ) ARMAMENT CONT (LABS) SYSTEM	749J0
+	AERO 218 REMOTE CONTROL TURRET	74960
	AGM121( ) ROLLUP GUIDED MISSILE SYSTEM	749H0
+	AGM128 GUIDED MISSILE SYSTEM	74920
	AGM45( ) SHRIKE GUIDED MISSILE SYSTEM	74900
+	AGM62A WALLEYE GUIDED WEAPONS SYSTEM	749F0
	AGM88( ) TEST SECTION CONTROL	747K0
+	AN/AAS28( ) INFRARED DETECTING SET	74010
	AN/AAS30 LASER SPOT TRACKER (LST) SYS	741C0
+	AN/AAS33A DETECTING RANGING SET	74180
	AN/AAS36 INFRARED DETECTING SET	741A0
+	AN/AAS37 INFRARED DETECTING SET	74180
	AN/AAS38 DETECTING SET	74090
+	AN/AJ49 OPTICAL SENSOR STAB GROUP	74030
	AN/APA128 RADAR SET GROUP	74130
+	AN/APA157 RADAR SET GROUP	74140
	AN/APA16 RADAR COMPENSATING ASSEMBLY	74120
+	AN/APA170 RADAR SET GROUP	74160
	AN/APAB( ) INDICATOR EQUIPMENT	74110
+	AN/APQ30( ) RADAR SET	74210
	AN/APQ51( ) RADAR SET	74220
+	AN/APQ59(L) RADAR 1472 CONFIGURATION	74280
	AN/APQ59(N/P/D) RADAR 1527( ) CONFIG	74260
+	AN/APQ59(R) RADAR AN/AVQ10(A) CONFIG	74270
	AN/APQ65 RADAR SET	74200
+	AN/APQ107 RADAR ALTIMETER WARNING SET	74390
	AN/APQ116 RADAR SET	74440
+	AN/APQ124( ) RADAR SET	74450
	AN/APQ149 RADAR SET	743M0
+	AN/APQ72( ) RADAR SET	74320
	AN/APQ83( ) RADAR SET	74330
+	AN/APQ88( ) /112 RADAR SET	74340
	AN/APQ94 RADAR SET	74360
+	AN/APS107( ) RADAR SET	74020
	AN/APS118 TARGET IDENT/ACQUISITION SET	74060
+	AN/ARQ41 RCVR-XMTR LAUNCHER SET	741D0
	AN/ARW55 RADIO TRANSMITTING SET	74510
+	AN/ARW59 RADIO RECEIVING SET	74520
	AN/ARW66 RADIO TRANSMITTING SET	74590
+	AN/ARW67 RADIO RECEIVING SET	74530
	AN/ARW73 RADIO TRANSMITTING SET	74540
+	AN/ARW77( ) RADIO TRANSMITTER SET	74550
	AN/ARW80( ) RADIO TRANSMITTING SET	74570
+	AN/ASAB3 MSL ACO PROGRAMMER GROUP	74630
	AN/ASD4 DIRECTION FINDER SET	74090
+	AN/ASQ164 CONTROL-INDICATOR SET	74190
	AN/ASQ165 ARMT CONTROL-INDICATOR SET	74170
+	AN/ASQ173 LASER DET/TRACKER/CAWR SET	74070
	AN/ASW22( ) GUIDANCE CONTROL SET	74650
+	AN/AVQ4 TARGET ACQUISITION SET	74030
	AN/AVQ8( ) (V) TARGET ACQUISITION SET	74010
+	AN/AVQ10A LASER ILLUMINATOR SET	74730
	AN/AVQ2( ) SEARCHLIGHT SET	74710
+	AN/AVQ28 HEAD UP DISPLAY UNIT	74D60
	AN/AMB2(V) ACFT ARMT CONT MONITOR SET	74780
+	AN/AMB3(V) AMAC SET	748R0
	AN/AWE1 AIRCRAFT WEAPONS RELEASE SET	74750

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FIGURE 16. Example of index for airborne avionics equipment.

## MIL-M-23782C(AS)

NAVAIR 16-30-704-8		01 SEP 1981 WEAPONS CONTROL
CODES:		
+	74090	WEAPONS CONTROL
	74110	AN/APA5( ) INDICATOR EQUIPMENT
	74111	PP58/APA5 RECTIFIER
	74112	ID50( )/APA5 INDICATOR
	74113	SN9/APA5 SYNCHRONIZER
	74114	C92/APA5 RANGE TRACKING UNIT
+	74115	CM9( )/APA5 CONTROL BOX
	74116	C920/APA5A CONTROL BOX
	74117	C989/APA5A CONTROL BOX
	74118	JB19/APA5A JUNCTION BOX
	74119	NDC
+	74120	AN/KPA16 RADAR COMPENSATING ASSEMBLY
	74121	SN12/APA16 RANGE MARKER UNIT
	74122	C106/APA16 CONTROL UNIT
	74123	MR139/APA16 CAPACITOR UNIT
	74124	MT208/APA16 MOUNT
	74129	NDC
	74130	AN/APA128 RADAR SET GROUP
	7413100	CP506/APA128 TARGET INTERCEPT COMPUTER
	7413110	STEERING ERROR/RANGE CMPTR ASSY 1A1
	7413111	CHASSIS ASSEMBLY 1A1A1
	7413112	CHASSIS ASSEMBLY 1A1A2
	7413113	CHASSIS ASSEMBLY 1A1A3
	7413114	CHASSIS ASSEMBLY 1A1A4/A15
	7413115	CHASSIS ASSEMBLY 1A1A5
	7413116	CHASSIS ASSEMBLY 1A1A6
	7413117	CHASSIS ASSEMBLY 1A1A7/A8
	7413118	CHASSIS ASSEMBLY 1A1A9/A10
	7413119	RECTIFIER PANEL ASSEMBLY 1A1A11
	741311A	CHASSIS ASSEMBLY 1A1A12
	741311B	CHASSIS ASSEMBLY 1A1A13
	741311C	MOTOR/GENERATOR ASSEMBLY 1A1A14
	741311D	PANEL ASSEMBLY 1A1A15
	741311E	PANEL ASSEMBLY 1A1A17
	741311F	MAIN CHASSIS
	7413120	RANGE INTERLOCK/51M DOPPLER ASSY 1A2
	7413121	CHASSIS ASSEMBLY 1A2A1
	7413122	CHASSIS ASSEMBLY 1A2A2
	7413123	CHASSIS ASSEMBLY 1A2A3
	7413124	PANEL ASSEMBLY 1A2A4
	7413125	CHASSIS ASSEMBLY 1A2A5/A6/A7/A8
	7413126	CHASSIS ASSEMBLY 1A2A9
	7413127	CHASSIS ASSEMBLY 1A2A10
	7413128	CHASSIS ASSEMBLY 1A2A11
+	7413129	PANEL ASSEMBLY 1A2A17
	741312A	RELAY BRACKET 1A2A13
	741312B	COMPONENT BOARD NO. 1
	741312C	COMPONENT BOARD NO. 2
	741312D	MAIN CHASSIS
	7413130	HEAD AIM COMPUTER 1A3
+	7413131	CHASSIS ASSEMBLY 1A3A1/A2
	7413132	CHASSIS ASSEMBLY 1A3A7/A4/A5/A6
	7413133	CHASSIS ASSEMBLY 1A3A7
	7413134	CHASSIS ASSEMBLY 1A3A8
	7413135	CHASSIS ASSEMBLY 1A3A9
	7413136	RESOLVER SERVO 1A3A10/A11
	7413137	PANEL ASSEMBLY 1A3A12
	7413138	CHASSIS ASSEMBLY 1A3A13/A15
	7413139	CHASSIS ASSEMBLY 1A3A14
+	741313A	CHASSIS ASSEMBLY 1A3A16
	741313B	PANEL ASSEMBLY 1A3A17
	741313C	MAIN CHASSIS

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FIGURE 17. Example of work unit code list.