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.

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.

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 3.3.7. 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:

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	consecutively numbered using upper case Roman numerals
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 Arabic numbers
Work Unit Codes	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 consecutive page number. For example, 11-1, 11-2, etc; 12-1, 12-2, etc.

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.

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, subsystems, 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).

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 indentured in accordance with the level of code assignment.

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:

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

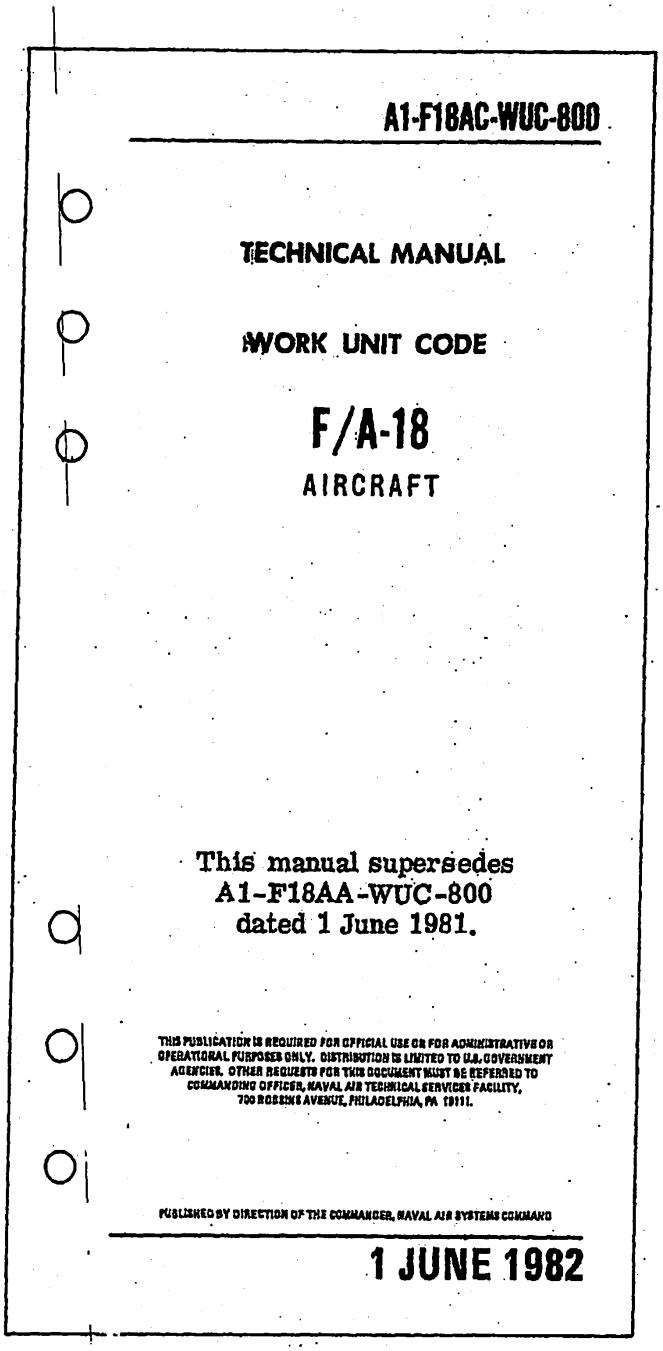
(Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

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)



A1-F18AC-WUC-800

TECHNICAL MANUAL

WORK UNIT CODE

F/A-18

AIRCRAFT

This manual supersedes
A1-F18AA-WUC-800
dated 1 June 1981.

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 SERVICES FACILITY, 700 ROBBINS AVENUE, PHILADELPHIA, PA 19111.

PUBLISHED BY DIRECTION OF THE COMMANDER, NAVAL AIR SYSTEMS COMMAND

1 JUNE 1982

FIGURE 1. Example of title page.

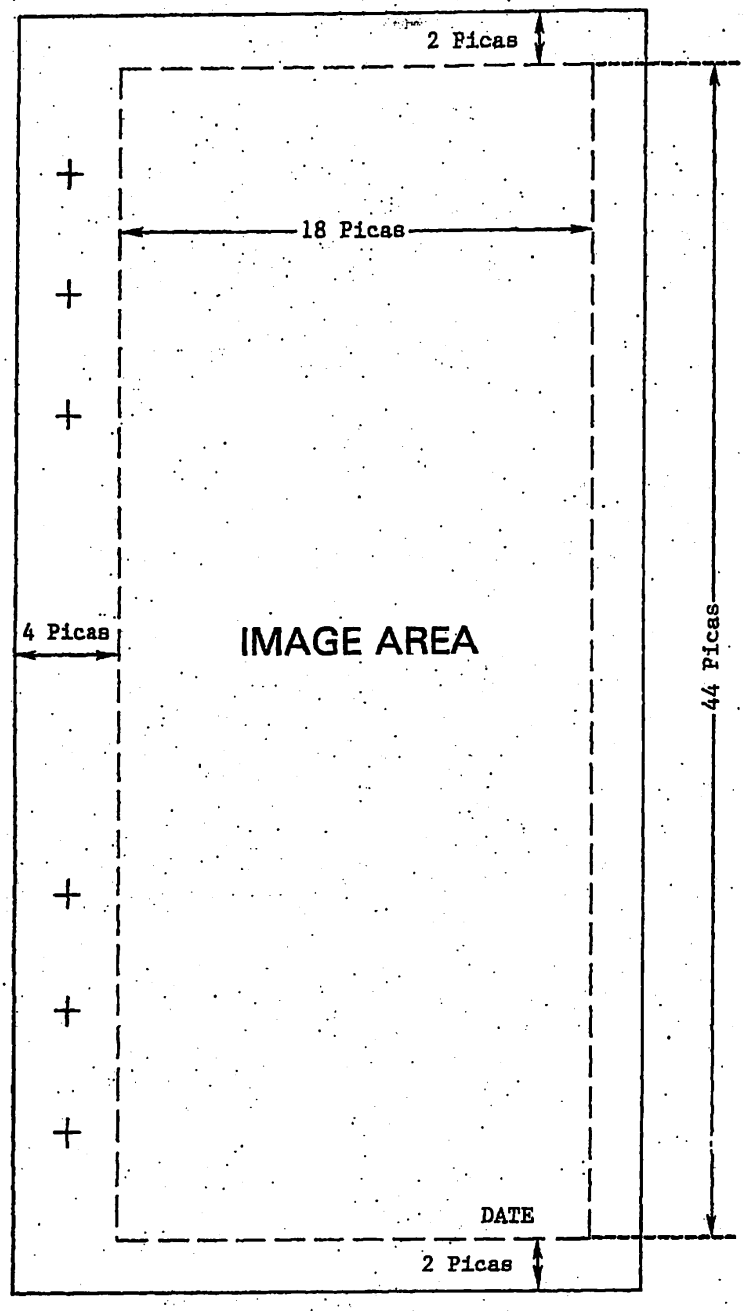


FIGURE 2. Title page image area dimensions.

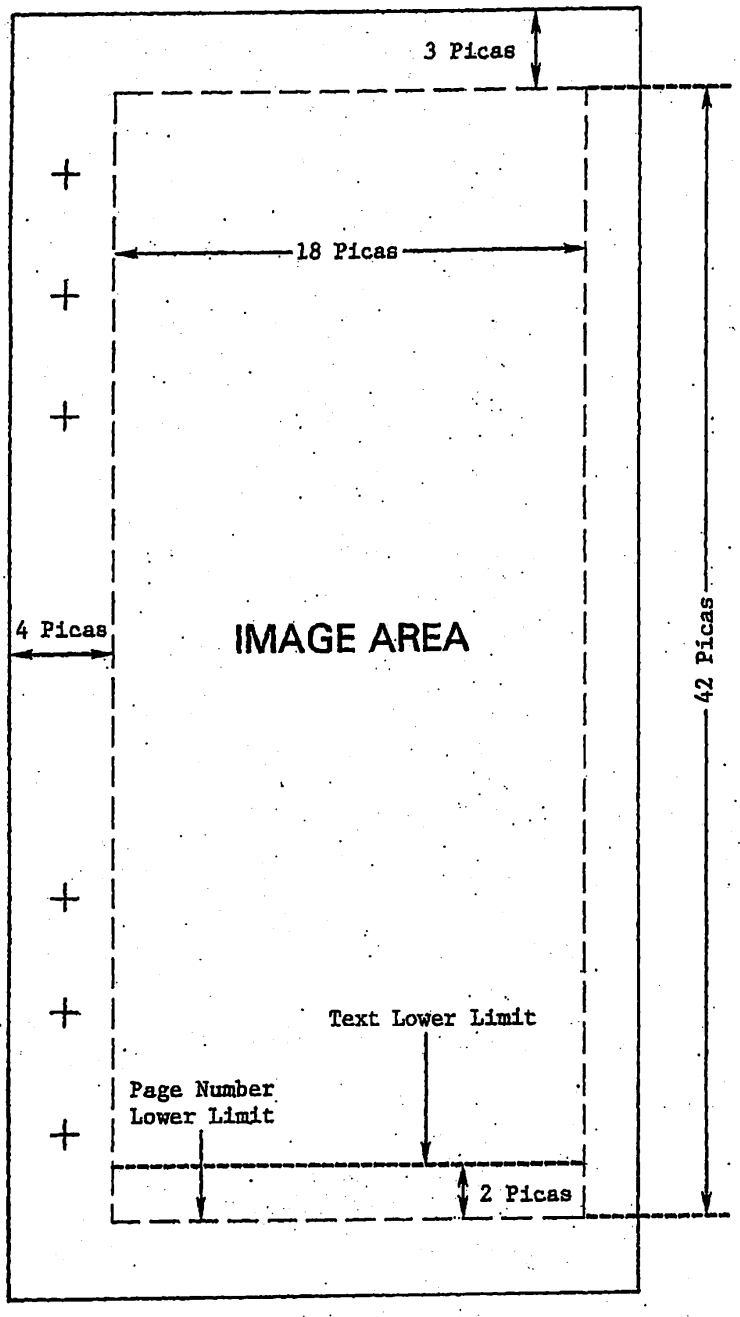
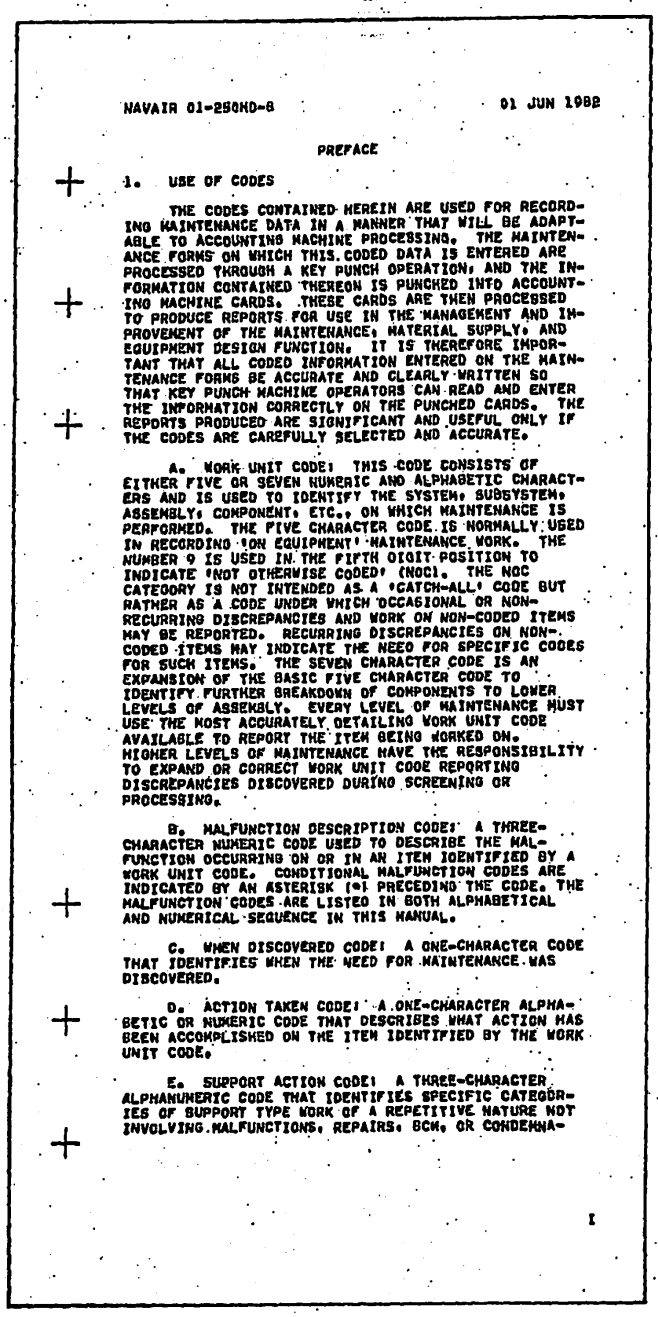


FIGURE 3. Text image area dimensions.



NAVAIR 01-250HD-8 01 JUN 1982

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 CONDEMNA-

I

FIGURE 4. Example of preface.

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 LH/RH 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 A60 OF THE VIDS/NAF. 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

FIGURE 4. Example of preface - continued.

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. 7111A)." 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 SUBUNITS 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).

FIGURE 4. Example of preface - continued.

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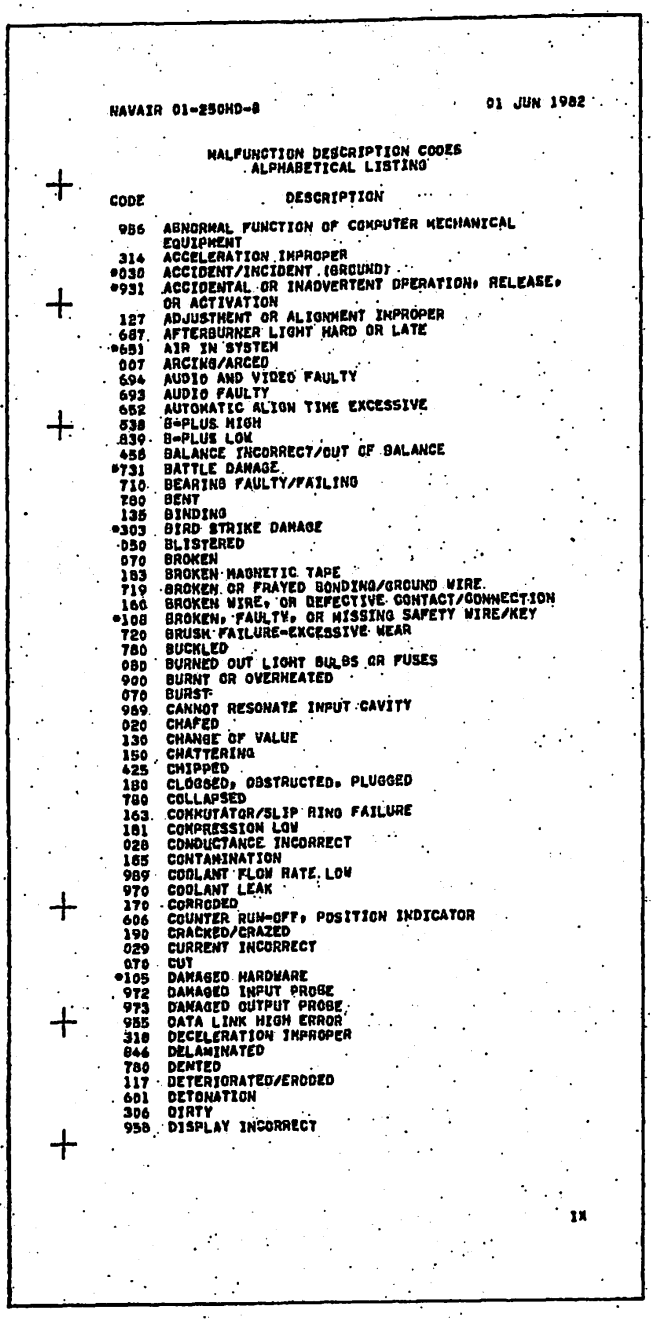
MALFUNCTION DESCRIPTION CODES
NUMERICAL LISTING

CODE	DESCRIPTION
001	GASSY
003	OPEN FILAMENT OR TUBE CIRCUIT
004	LOW GM OR EMISSION
007	ARCING/ARCED
008	NOISY
009	MICROPHONIC
010	POOR FOCUS
	FOCUS POOR
020	WORN
	STRIPPED
	CHAFED
	FRAYED
028	CONDUCTANCE INCORRECT
029	CURRENT INCORRECT
*030	ACCIDENT/INCIDENT (GROUND)
	GROUND ACCIDENT/INCIDENT DAMAGE
037	FLUCTUATES, INTERMITTENT, OR FREQ/RPM
	UNSTABLE
	UNSTABLE RPM OR FREQUENCY
	INTERMITTENT OPERATION
050	BLISTERED
051	FAILS TO TUNE/DRIFTS
	DRIFTS
064	MODULATION INCORRECT
065	HIGH VOLTAGE STANDING WAVE RATIO
069	FLAME OUT
070	BROKEN
	BURST
	RUPTURED
	PUNCTURED
	TORN
	CUT
080	BURNED OUT LIGHT BULBS OR FUSES
*086	IMPROPER HANDLING
	HANDLING IMPROPER
*087	IMPROPER IDENTIFICATION
	IDENTIFICATION IMPROPER
088	GAIN INCORRECT
*092	MISMATCHED (ELECTRONIC PARTS, ETC.)
*093	MISSING PART
*105	LOOSE BOLTS, NUTS, SCREWS, RIVETS, FASTENER, CLAMPS OR OTHER COMMON HARDWARE
	DAMAGED HARDWARE
	STRIPPED BOLTS, NUTS, OR OTHER COMMON HARDWARE
106	MISSING BOLTS, NUTS, SCREWS
*108	BROKEN, FAULTY, OR MISSING SAFETY WIRE/KEY
	SAFETY WIRE/KEY MISSING, BROKEN, OR FAULTY
117	DETERIORATED/ERODED
127	ADJUSTMENT OR ALIGNMENT IMPROPER
128	RIGGING/INDEXING INCORRECT
130	CHANGE OF VALUE
135	BINDING
	STUCK
	JAMMED
*142	ENGINE REMOVED-EXCESSIVE MAINTENANCE
150	CHATTERING
*158	LAUNCH DAMAGE
160	BROKEN WIRE, OR DEFECTIVE CONTACT/CONNECTION
161	OUTPUT INCORRECT
163	SLIP RING/COMMUTATOR FAILURE
	COMMUTATOR/SLIP RING FAILURE

IV

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



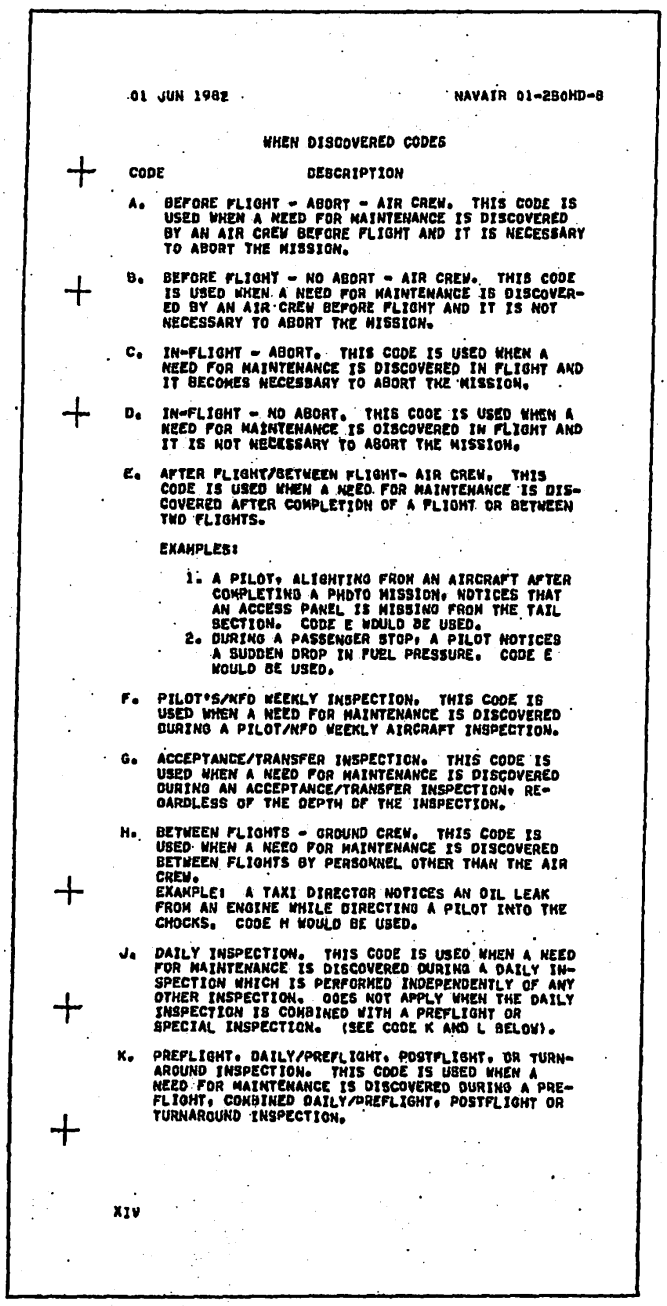
NAVAIR 01-25GHD-8 01 JUN 1982

MALFUNCTION DESCRIPTION CODES
ALPHABETICAL LISTING

CODE	DESCRIPTION
986	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
*681	AIR IN SYSTEM
007	ARCING/ARCED
694	AUDIO AND VIDEO FAULTY
693	AUDIO FAULTY
652	AUTOMATIC ALIGN TIME EXCESSIVE
838	B+PLUS HIGH
839	B+PLUS LOW
456	BALANCE INCORRECT/OUT OF BALANCE
*731	BATTLE DAMAGE
710	BEARING FAULTY/FAILING
780	BENT
135	BINDING
*303	BIRD STRIKE DAMAGE
050	BLISTERED
070	BROKEN
163	BROKEN MAGNETIC TAPE
719	BROKEN OR FRAYED 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
989	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
161	COMPRESSION LOW
028	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
846	DELAMINATED
780	DENTED
117	DETERIORATED/ERODED
601	DETONATION
306	DIRTY
958	DISPLAY INCORRECT

1M

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 TURNAROUND INSPECTION. THIS CODE IS USED WHEN A NEED FOR MAINTENANCE IS DISCOVERED DURING A PREFLIGHT, COMBINED DAILY/PREFLIGHT, POSTFLIGHT OR TURNAROUND INSPECTION.

XIV

FIGURE 7. Example of when discovered code list.

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.

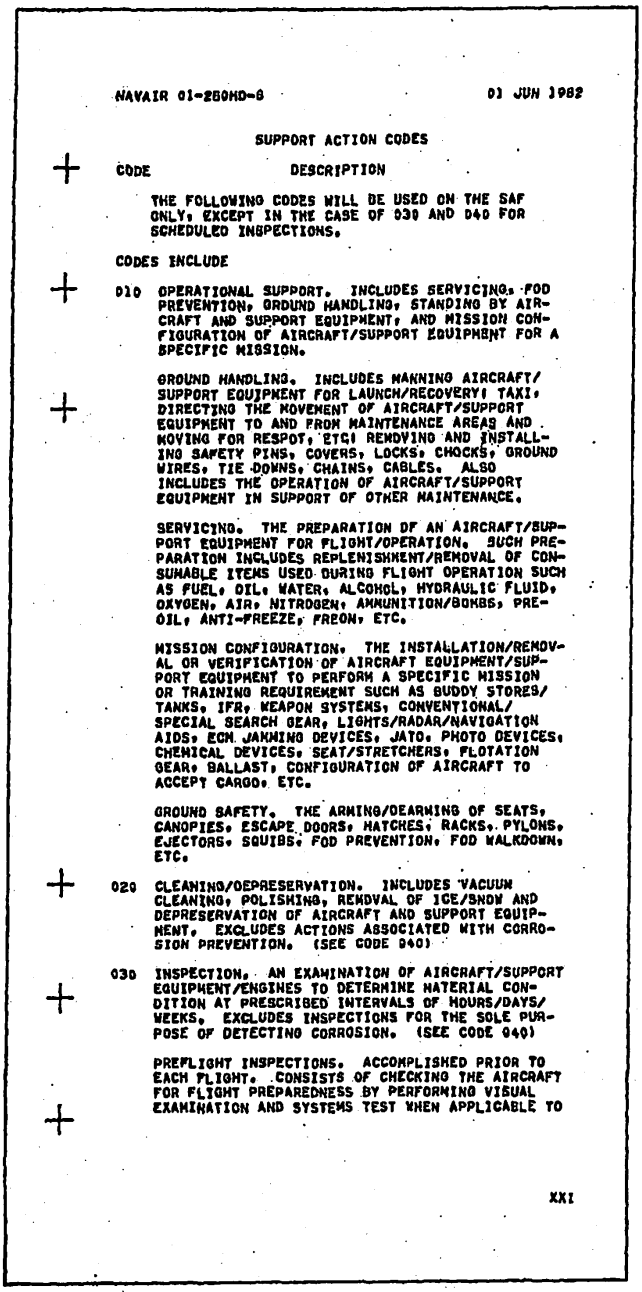
6. BCM - LACK OF TECHNICAL DATA. THIS CODE IS ENTERED WHEN REPAIR IS AUTHORIZED BUT CANNOT BE PERFORMED BECAUSE OF A LACK OF TECHNICAL DATA.

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

FIGURE 8. Example of action taken code list.



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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 RESPOT, 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.

NAVAIR 01-25GHD-8 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 PM 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 NRC. 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/WEEKLY/MONTHLY OSE INSPECTIONS, AND EQUIPMENT WITH A PRESCRIBED STANDARD INSPECTION CYCLE, SUCH AS MINI-RECOS, PARACHUTES NOT COVERED BY AN NRC, 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.

KKV

FIGURE 10. Example of type maintenance code list.

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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 (N-Z) 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 G13 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

XXVIII

FIGURE 11. Example of transaction code list.

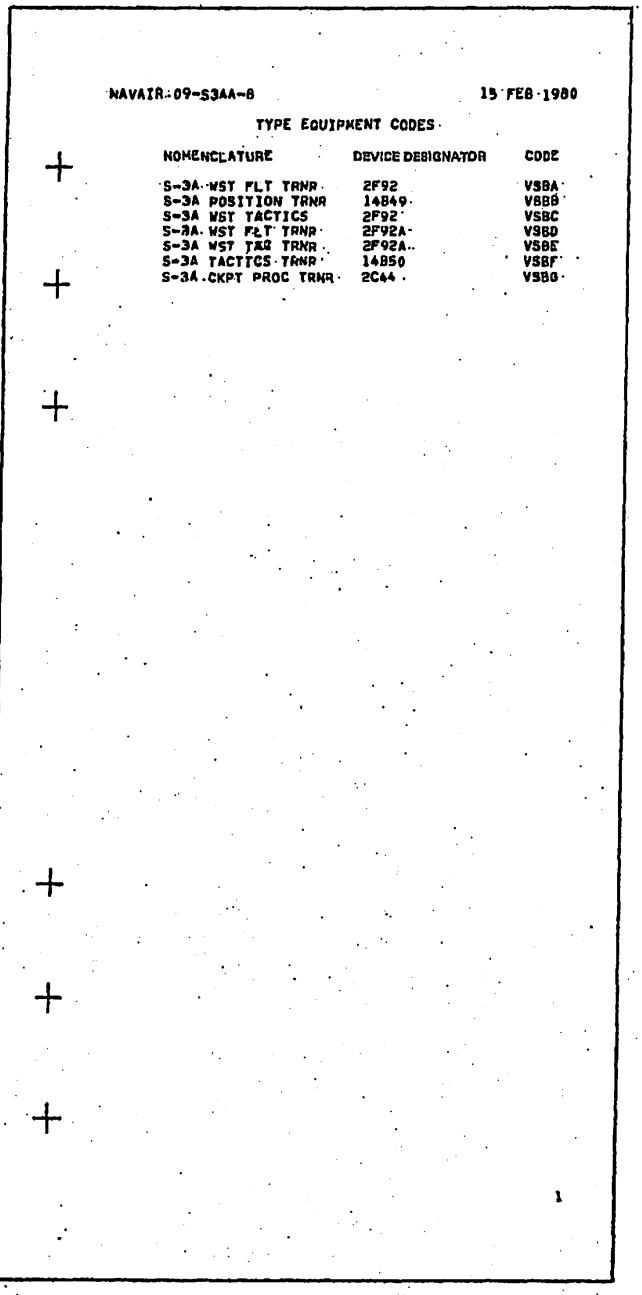
NAVAIR 01-V8-8 01 JAN 1982

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	AYLD
TUKA	F402-RR-402C	AV-8A	AYLA

1

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



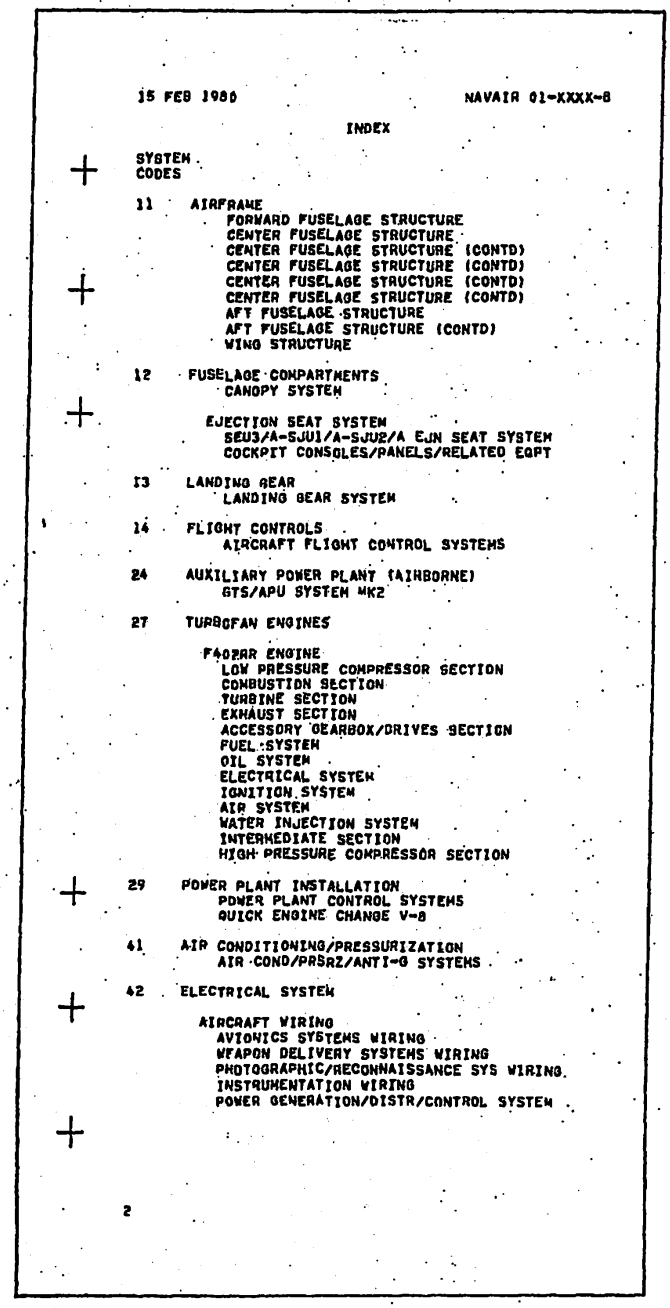
NAVAIR 09-S3AA-8 15 FEB 1980

TYPE EQUIPMENT CODES

NOMENCLATURE	DEVICE DESIGNATOR	CODE
S-3A WST FLT TRNR	2F92	VSBA
S-3A POSITION TRNR	14B49	VSBB
S-3A WST TACTICS	2F92	VSBC
S-3A WST FLT TRNR	2F92A	VSBD
S-3A WST T&R TRNR	2F92A	VSBE
S-3A TACTICS TRNR	14B50	VSBF
S-3A CKPT PROC TRNR	2C44	VSBG

1

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



15 FEB 1980 NAVAIR 01-XXXX-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-SJU1/A-SJU2/A EJN SEAT SYSTEM
COCKPIT CONSOLES/PANELS/RELATED EQPT

13 LANDING GEAR
LANDING GEAR SYSTEM

14 FLIGHT CONTROLS
AIRCRAFT FLIGHT CONTROL SYSTEMS

24 AUXILIARY POWER PLANT (AIRBORNE)
GTS/APU SYSTEM MK2

27 TURBOFAN ENGINES

F402RR 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.

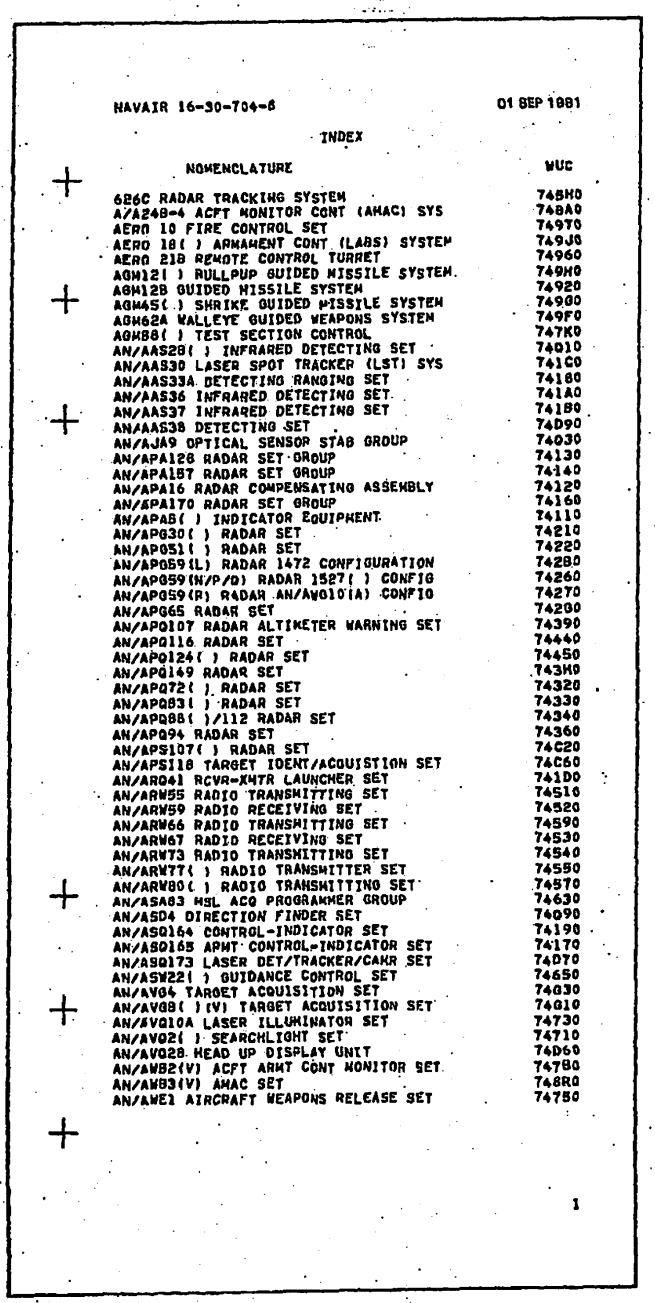
NAVAIR 16-1-8.4 01 DEC 1981

INDEX

NOMENCLATURE	WUC	TEC
123RT10187-3 EVAPORATOR TEST STAND	78EA0	SDBK
24134 SWEPT KLYSTRON GENERATOR SYSTEM	79AH0	DHAA
7106 COOLANOL CART, GAC 1128SCF400	79QA0	DHAA
8200 INTEGRATED MEASUREMENT SYSTEM	78CA0	DGAA
AMPETERS	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/ASM130( ) ENG PERFORMANCE TEST SET	79KD0	DHAA
AN/ASM164 ELECTRICAL POWER TEST SET	79KE0	SCBY
AN/ASM168 WSHLD TEMP CONT TEST SET	79KF0	DHAA
AN/ASM175 WAS FOR AN/ASM459	78EN0	GHMN
AN/ASM175 WAS FOR AN/APM375	78XJ0	GHMN
AN/ASM175 WAS FOR VAST	78XH0	GHMN
AN/ASM196 PROP/PYLON DEICER TEST SET	79KJ0	SDB1
AN/ASM381 THRM RADN SYS TEST SET	79BC0	DHAA
AN/ASM390 CKPT ENVIR CONT TEST SET	79KR0	DHAA
AN/ASM449 ANALYZER ENCODER TEST SET	78EB0	GHMS
AN/ASM459( ) FSTC MINI-SACE	78EK0	GHMR
AN/ASM459( ) FSTC MINI-SACE (CONTD)	78EN0	GHMR
AN/ASM461( ) DISPLAY TEST CONSOLE	78EG0	SCB7
AN/DRM20 SIGNAL GENERATOR	79AY0	DHAA
AN/GRM4 SIGNAL GENERATOR TEST SET	79AD0	DHAA
AN/GSM238 ULTRASONIC FLAW DETECTOR SET	79AU0	DHAA
AN/GSM74 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	78KD0	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	78MN0	SBBJ
AN/USA12 CONTROL GUIDANCE TEST SET	78KP0	SBBK
AN/USA13 RADAR RADIO TEST GROUP	78MN0	DCAA
AN/USM126 PROGRAMMING TEST BENCH	78MA0	SBBB
AN/USM127 SYSTEM ANALYZER TEST BENCH	78MP0	SBBC
AN/USM228 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)	78HM0	GVAB
AN/USM247 TEST STATION (CONTD)	78HJ0	GVAB
AN/USM344 ELEC SWEEPER CART	79DA0	DHAA
AN/USM371( ) IC CKT CD TEST SET	79XN0	DHAA
AN/USM402(V)( ) SWEPT FREQ TEST SET	79DC0	GHPQ
AN/USM403 ELEK EQPT TEST SET	78AA0	SUDD
AN/USM403 ID FOR AVIONICS GENERAL	78AB0	SUDD
AN/USM429 ID FOR MINI-SACE	78DB0	GHMT
AN/USM429 ID FOR VAST SRA	78DA0	GVAB
AN/USM449(V) ELEK CKT PLUGIN TS	78GB0	SHBD

1

FIGURE 15. Example of index for aeronautical support equipment.



NAVAIR 16-30-704-6 01 SEP 1981

INDEX

NOMENCLATURE	WUC
626C RADAR TRACKING SYSTEM	748H0
A/A248-4 ACFT MONITOR CONT (AMAC) SYS	748A0
AERO 10 FIRE CONTROL SET	74970
AERO 18( ) ARMAMENT CONT (LABS) SYSTEM	749J0
AERO 21B REMOTE CONTROL TURRET	74960
AGM12( ) BULLPUP GUIDED MISSILE SYSTEM	749H0
AGM12B 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	74190
AN/AAS38 DETECTING SET	74D90
AN/AJA9 OPTICAL SENSOR STAB GROUP	74030
AN/APA128 RADAR SET GROUP	74130
AN/APA187 RADAR SET GROUP	74140
AN/APA16 RADAR COMPENSATING ASSEMBLY	74120
AN/APA170 RADAR SET GROUP	74160
AN/APA8( ) INDICATOR EQUIPMENT	74110
AN/APG30( ) RADAR SET	74210
AN/APG51( ) RADAR SET	74220
AN/APG59(L) RADAR 1472 CONFIGURATION	74280
AN/APG59(N/P/Q) RADAR 1527( ) CONFIG	74260
AN/APG59(R) RADAR AN/AWG10(A) CONFIG	74270
AN/APG65 RADAR SET	74290
AN/APQ107 RADAR ALTIMETER WARNING SET	74390
AN/APQ116 RADAR SET	74440
AN/APQ124( ) RADAR SET	74450
AN/APQ149 RADAR SET	743H0
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	74C20
AN/APS118 TARGET IDENT/ACQUISITION SET	74C60
AN/ARC41 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/ASA83 HSL ACQ 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/CAMR SET	74D70
AN/ASW22( ) GUIDANCE CONTROL SET	74650
AN/AVG4 TARGET ACQUISITION SET	74G30
AN/AVG8( )(V) TARGET ACQUISITION SET	74G10
AN/AVQ10A LASER ILLUMINATOR SET	74730
AN/AVQ2( ) SEARCHLIGHT SET	74710
AN/AVQ28 HEAD UP DISPLAY UNIT	74D60
AN/AWB2(V) ACFT ARMT CONT MONITOR SET	747B0
AN/AWB3(V) AMAC SET	748R0
AN/AWE1 AIRCRAFT WEAPONS RELEASE SET	74750

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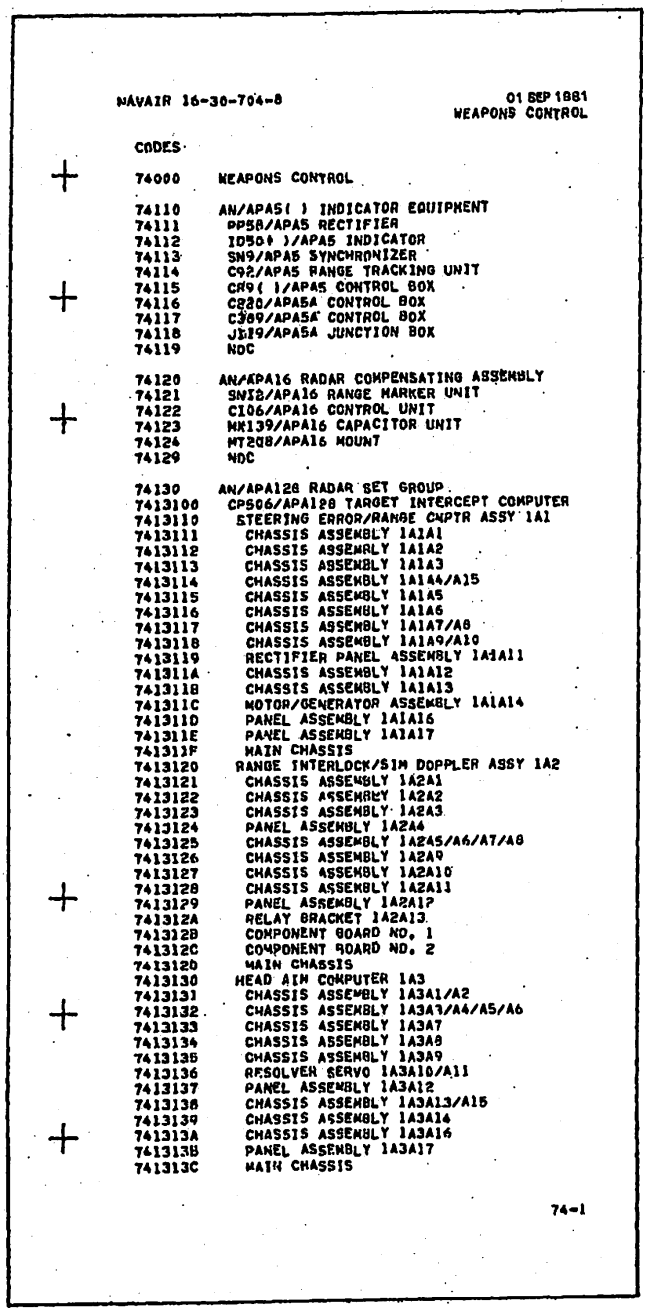
FIGURE 16. Example of index for airborne avionics equipment.



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WEAPONS CONTROL

CODES

74000 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 CN9( )/APA5 CONTROL BOX
74116 C220/APA5A CONTROL BOX
74117 C389/APA5A CONTROL BOX
74118 JB19/APA5A JUNCTION BOX
74119 NOC

74120 AN/APA16 RADAR COMPENSATING ASSEMBLY
74121 SN18/APA16 RANGE MARKER UNIT
74122 C106/APA16 CONTROL UNIT
74123 MM139/APA16 CAPACITOR UNIT
74124 MT208/APA16 MOUNT
74129 NOC

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
7413114 CHASSIS ASSEMBLY 1A1A12
7413118 CHASSIS ASSEMBLY 1A1A13
741311C MOTOR/GENERATOR ASSEMBLY 1A1A14
741311D PANEL ASSEMBLY 1A1A16
741311E PANEL ASSEMBLY 1A1A17
741311F MAIN CHASSIS
7413120 RANGE INTERLOCK/SIM 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 1A2A12
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 1A3A3/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

74-1

FIGURE 17. Example of work unit code list.