DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361 -0001

IN REPLY REFER TO

NAVAIRINST 5400.136
AIR-51123
4 Dec 89

NAVAIR INSTRUCTION 5400.136

From: Commander, Naval Air Systems Command

Subj: MASTER LIST OF ENGINEERING COGNIZANCE ASSIGNMENTS

Ref: (a) NAVAIRINST 5400.14C, The Cognizant Field Activity Program
(b) NAVAIR AD 901 Management and Responsibility Cognizance List (NOTAL)

Encl: (1) Instructions for Submitting Updates to Logistics and Engineering Data System (LAEDS)
(2) Instructions for Retrieving Reports from the LAEDS
(3) Definitions/Acronyms

1. Purpose. To promulgate procedures for maintaining, updating and accessing the subject listing.

2. Background. Reference (a) provides policies and procedures governing assignment of responsibility and delegation of authority to field activities for management and performance of various in-service engineering functions for service equipment. A master list of engineering cognizance assignments, reference (b), documents those field activities having engineering cognizance for aircraft, guided weapons, engines, aeronautical/avionics systems and related support equipment. The list is automated and maintained in the NAVAIR Logistic and Engineering Data System (LAEDS) and is available to all Navy activities either electronically (for field activities with compatible equipment) or manually.

3. Action

a. AIR-511 will serve as the controlling authority and administer, control and approve all changes and updates to the reference (b) list. AIR-511 will forward all approved changes to AIR-411 for entry into the automated, Logistic and Engineering Data System.

b. AIR-411 will serve as the custodian, enter changes and maintain reference (b) in the Logistic and Engineering Data System.

3364

S/N 0808LD0547850

c. Other NAVAIRHQ divisions will document and submit to AIR-5112 all proposed changes to reference (b) as they occur using the procedures and information of enclosures (1) and (2).

d. Other Navy activities will access the subject listing either electronically or manually using the procedures and information of enclosures (2) and (3).

4. Forms. NAVAIR 5400/1, Logistics and Engineering Data System Worksheet are stocked by AIR-5112.

R. C. GENTZ

Distribution: FKA1A (established quantity); others 2 copies
SNDL: FKA1A (Deputy Commander, NAVAIR Acquisition Executive and Deputy Commander for Operations, Assistant Commanders, Comptroller, Command Special Assistants, Program Directors, Designated Program Managers, Program Coordinators, Directorate Directors, and Office and Division Directors); FKR2B; FKR3E; FKR3H; FKR7B; FKR7C

Copy to: (2 copies each unless otherwise indicated)
SNDL: C84B (Morgantown (1 copy)); FKA1A (AIR-07D A/L (1 copy), AIR-71232 (10 copies), AIR-71233B (40 copies); AIR-5112 (5 copies)); FKM27 (NPPSO-NDW C/L); FKR2; FKR7E

Stocked: Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120-5099

3364

INSTRUCTIONS FOR SUBMITTING UPADATES TO LOGISTICS AND ENGINEERING DATA SYSTEM (LAEDS)

1. There are three (3) types of submissions for the LAEDS data base via NAVAIR 5400/1: ADD, MODIFY, and DELETE. The instructions for each are as follows:

a. ADD. When adding a new equipment to the data base, the LAEDS form must be filled in completely. See enclosure (2) for field definitions.

b. MODIFY. When modifying an existing equipment in the data base, the mandatory field is TYPE DESIGNATION/ART NO. This field must be filled in as it appears in the data base. Only fill in those fields where changes occur.

c. DELETE

(1) When deleting equipment from the data base, the mandatory field is TYPE DESIGNATION/PART NO. This field must be filled in as it appears in the data base.

(2) If there are more than twenty-five (25) submissions, you may submit them on either the AD901 or the Logistics Manager (LM), List from which you are making your modifications. If you are submitting modifications on a report, only one signed and dated worksheet is necessary.

2. All forms must be signed and dated at the bottom or they will not be accepted.

3364

(SEE NAVAIRINST 5400.136)
REPORT SYMBOL NAVAIR 5400-3

LOGISTICS AND ENGINEERING DATA SYSTEM WORKSHEET

CHECK ONE: ADD( ) MODIFY( ) DELETE( )

1. BDE: _____ 2. APML/LM: _____ 3. PMA/SPM: _____

4. TYPE EQUIP/PART NO.: _____ 5. EQUIP.CAT: _____

6. NOMENCLATURE: _____ 7. AIRCRAFT: _____

8. LIFE CYCLE PHASE: (CIRCLE ONE)

C/V PROD EARLY OPS
FSD PROD ST. OPS

9. ILSP NO: _____ 10. DATE: _____ 11. ILSDS: _____

12. DATE: _____ 13. MAINT. PLAN NO: _____ 14. DATE: _____

15. OLSP/PSP: _____ 16. DATE: _____ 17. REV. NO: _____

18. DATE: _____ 19. STATUS: _____

20. CFA: _____ 21. DSM: _____

22. DECISION PKG. NO.: _____ 23. WUC: _____ 24. TEC: _____

25. CF: _____ 26. MSD: _____ 27. NSD: _____

28. LEVEL INDICATOR (CIRCLE ONE)

A - BDE & MAINTENANCE ENGINEERING (ME)
B - COMMERICAL REWORK (CR) & LOGISTICS MANAGEMENT (LM)
C - LM INCLUDES ME
D - ME
E - BDE & ME PCFA
F - ME PCFA
G - LIMITED LM (LLM)
H - BDE & LM
I - LIMITED BDE & LLM
N - NONE ASSIGNED

EITHER THE APML/LM OR THE SECTION HEAD MAY SIGN BELOW

APML/LM _____ SIGN DATE _____
(SIGNATURE)

SECTION HEAD _____ SIGN DATE _____
(SIGNATURE)

SAMPLE

NAVAIR 5400/1(10/89)

3364

FIELD DEFINITIONS

The LAEDS data base contains the following information for each piece of equipment:

1. BDE - Basic Design Engineer's code.
Length 7 spaces

2. APML/LM - Assistant Program Manager Logistics or the Logistics Manager's code.
Length 7 spaces

3. PMA/SPM - Program Manager Air or the Systems Program Manager.
Length 3 spaces

4. TYPE/EQUIP - Identification for the piece of equipment.
Mandatory field
Length 20 spaces

5. EQUIPMENT CATEGORY - Equipment category of the equipment.

Equipment Category Selections

AERIAL REFUELING
AUXILIARY POWER UNIT COMMUNICATIONS
COMPUTERS
DATA LINK
ELECTRONIC WARFARE ENGINE
ESCAPE SYSTEM
INSTRUMENTS
LIFE SUPPORT SYSTEMS NAVIGATION
MISCELLANEOUS
IDENTIFICATION FRIEND OR FOE
UNASSIGNED
ANTI-SUBMARINE WARFARE
CRYPTO GRAPHICS
ELECTRICAL OPTICAL
FIRE CONTROL SYSTEMS
INERT NAVIGATION
PROPELLER

6. NOMENCLATURE - Equipment nomenclature.
Length 36 spaces

7. AIRCRAFT - Aircraft to which the equipment is applicable.

This is an unlimited field.
Length 7 spaces per aircraft

8. LIFE CYCLE PHASE - Phase or cycle for the life of the equipment.

3364

5

6

INSTRUCTIONS FOR RETRIEVING REPORTS FROM THE LAEDS

1. All reports for NAVAIRHQ will be retrieved by the Information Requirements and Support Section (AIR-41141). All reports for field activities will be retrieved at their sites via their System-36 via the Comtrak-DAPAIR support program. The listing below reflects those activities and their points of contact for obtaining LAEDS reports. Those activities who do not have on-line access to Aircraft Supply Office (ASO), can contact NAVAIR point of contact to have a report(s) mailed to them). There are currently two (2) reports available on LAEDS: AD901 and LMLIST. Either report may be queried on selected data fields listed on page 2 of this enclosure.

POINTS OF CONTACT

ACTIVITY	NAME	CODE	AUTOVON
COMNAVAIRSYSCOM	JEANNE CARTER	41141H	222-5661
NAVAVNMAINTOFF	ED LAIGLE	312D	356-4295
NAVAVNDEPOT ALAMEDA CA	BETTY COLBORN	0524	686-4791
NAVAVNDEPOT CHERRY PT NC	RALPH SCOTT	35530	582-7399
NAVAVNDEPOT JACKSONVILLE FL	JOHN WILLIS	353	942-2631
NAVAVNDEPOT NORFOLK VA	SAM BRIGHTBILL	350	564-8092
NAVAVNDEPOT NORTH ISLAND CA	C. C. SMITH	02D	951-6661
NAVAVNDEPOT PENSACOLA FL	JOE MATZER	PSD 311	922-4594

3364 9 9

CFA or DSM Selections

ALA(P)	PNCLA	NORVA
AM/NVY	TBD	NAVAIR
CHERPT	WRALC	NWC
JAX	ALMDA	PMTC
NADC	ARMY	SECENG
NORIS	CRANE	USAF
NOS	NAC	PAXRIV

21. DSM - Depot site manager that handles repair of the equipment.

See CFA or DSM Selections above.

22. DECISION PKG. NR. - Decision package number.
Length 3 spaces

23. *WUC - Work unit code for the equipment.
Length 7 spaces

24. *TEC - Type equipment code for the end item.
Length 4 spaces

25. *CF - Configuration code.
Length 1 space

26. MSD - Material support date on which the inventory control point will have assets available to fill requisitions.
Length 8 spaces DD/MM/YY

27. NSD - Navy support date indicating that all necessary elements required to support the system or equipment is furnished by the Navy.
Length 8 spaces DD/MM/YY

28. LEVEL INDICATOR - Indicates what functions have been transferred to a field activity.

29. SIGN/DATE - Either the APML/LM or the section head is authorized to sign. Date of authorization for additions, modifications, and deletions being inputted into the data base.

*NOTE: Fields 23, 24, and 25 make up the master index of repairables (MIR).

3364 7/8B

REPORT DATA FIELDS

The (*) next to each data field indicates that it is a selection field.

AD901

*TYPE/PART
*WUC
TEC
CF
NOMENCLATURE
*COG ACTIVITY (CFA)
*APML/LM BRANCH
*BDE BRANCH
*LEVEL INDICATOR
*AIRCRAFT/SYSTEM APPLICATION

LMLIST

*TYPE/PART
NOMENCLATURE
*WUC
TEC
CF
*COG ACTIVITY (CFA)
*DSM
*APML/LM
*BDE
*LEVEL INDICATOR
*AIRCRAFT
MAINTENANCE PLAN NUMBER
APPROVAL DATE
ILSP
ILSP DATE
ILSDS
ILSDS DATE
OLSP/PSP
OLSP/PSP DATE
REVISION NUMBER
REVISION DATE
MATERIAL SUPPORT DATE (MSD)
*NAVY SUPPORT DATE (NSD)
*EQUIPMENT CATEGORY
*PMA/SPM
*LIFE CYCLE PHASE
*DECISION PACKAGE NUMBER (DPN)
SIGN DATE

9. ILSP Length 5 spaces	- Integrated Logistics Support Plan number.
10. ILSP DATE Length 8 spaces DD/MM/YY	- Date of the ILSP.
11. ILSDS Length 7 spaces	- Integrated Logistics Support Detail Specification number.
12. ILSDS DATE Length 8 spaces DD/MM/YY	- Date of the ILSDS.
13. MAINTENANCE PLAN Length 10 spaces	- Maintenance Plan system identification code and number.
14. DATE Lenght 8 spaces DD/MM/YY	- The approval date of the maintenance plan.
15. OLSP/PSP Length 5 spaces	- The Operational Logistics Support Plan or the Phased Support Plan number.
16. DATE Length 8 spaces DD/MM/YY	- Date of the OLSP/PSP.
17. REV NO Length 1 space	- Revision number of the maintenance plan.
18. DATE Length 8 spaces DD/MM/YY	- Revision date the maintenance plan was revised.
19. STATUS Length 1 space	- Present status of the maintenance plan.
20. CFA	- Cognizant Field Activity assigned responsibility for logistics management (LM), including maintenance engineering (ME) and basic design engineering (BDE). Also BDE, LM, and ME for support equipment.

3364

6

23. Participating Field Activity (PFA). Any Navy laboratory, center, or other field activity called upon to provide technical assistance in connection with a specific item or technology area. When designated by NAVAIRHQ as the activity to be called upon by a CFA to provide such assistance, the field activity so designated is called a "designated" PFA (PFA(D)). (Note: A Navy field activity which has acted in the capacity of DA (Design Agent) for a particular service equipment during its full-scale development phase would logically be designated as PFA(D) for BDE matters relating to that equipment.)

24. Prospective Cognizant Field Activity (PCFA). The Navy field activity designated by the Commander, Naval Air Systems Command (COMNAVAIR) to become the CFA when engineering cognizance constituent element thereof is transferred from NAVAIRHQ to the field.

25. Support Equipment (SE). All equipment required on the ground to make an aeronautical system, command and control system, support system, subsystem, or end item of equipment (SE for SE) operational in its intended environment. This includes all equipment required to install, launch, arrest (except Navy shipboard and shore-based launching and arresting equipment), guide control, direct, inspect, test, adjust, calibrate, transport, safeguard, store, actuate, service, repair, overhaul, maintain, or operate the system and item, or component. This definition applies regardless of the method of development, funding, or procurement. SE may be categorized as common (general purpose) and peculiar (special purpose). Within these categories, may exist developmental (no Government-approved specification/ drawing) and standard (with Government-approved specification/ drawing).

a. Automatic Test Equipment (ATE). Equipment peculiar SE/common SE (PSE/CSE) which include related TPS's that carryout a predetermined program of testing for possible malfunction with limited reliance upon human intervention.

b. Common Support Equipment (CSE). Comprised of only those general purpose items supplying or measuring broad parameters, or physical properties that are known to be established in the using service's inventory, e.g., ground electrical pneumatic and hydraulic power units, towing, hoisting, and fueling devices, signal generation devices, voltage, amperage, and phase measuring devices, etc. The application of the SE items to other articles, systems, or components does not in itself categorize the items as CSE.

c. Peculiar Support Equipment (PSE). An item of SE that must be designed and developed in conjunction with the development of an end article and that does not meet the criteria of CSE.

7. Cognizant Field Activity (CFA). The Navy field activity which has been assigned the responsibility and been delegated the authority by NAVAIRHQ under reference (a) and reference (e), to perform all or portions of the in-service functions, including procurement support, for a specific service equipment. Whenever cognizance assignment involves a functional system, elements of which (subsystem, equipment, or components) have or will have cognizance assigned elsewhere, the recipient of the cognizance assignment of the functional system is categorized as the primary CFA for that system. The CFA or CFA's to whom cognizance of specific elements of the functional system is assigned by NAVAIRHQ are categorized as secondary CFA's.

8. Commercial Rework (CR). The rework done strictly by a contractor.

9. Depot Site Manager (DSM). The site manager at the depot is responsible for all planning for rework.

10 Design Agent (DA). The contractor or field activity (laboratory or center) directly responsible to the cognizant NAVAIRHQ code during the full-scale development phase for the design of the system, subsystem, equipment or component in question. (Note: When development contractors are subjected to the technical control or direction of a Navy laboratory, center or other field activity during design evolution, that laboratory, center, or other field activity becomes the design agent of the cognizant NAVAIRHQ code.)

11. Disposal. A generic term covering action taken to dispense of material declared surplus to, or unsuitable for, all known modification requirements.

12. Engineering Manager, Basic Design. Individual responsible for detail design disclosures for systems, subsystems, equipments, and components exhibiting attributes essential for them to meet specific military requirements. (During the in-service phase, it includes any engineering activity, the results of which would add to or alter the design of an equipment in such a manner, or to such an extent, as to change its operational capabilities or its design operability, and parts interchangeability, or to render it capable of alternative or additional uses.)

13. Life Cycle Phase (LCP). The total life of the program from conception to disposal.

14. Limited BDE. Limited BDE is the prospective cognizant field activity (PCFA) for the design engineering.

15. Limited Logistics Management (LLM). PCFA for either maintenance engineering, logistics management, or both.

16. Logistics Manager (LM). The individual designated by commanding officer of the CFA to satisfy the LM functions for an equipment (or series of equipments) for which cognizance was transferred.

17. Logistics Management (LM). That activity which develops concepts, criteria, and technical requirements for logistic support during the acquisition phase of the system equipment life cycle to assure timely, adequate, and economical support of systems and equipment. Maintenance engineering (ME) is an integral part of the LM function and provides the basis for a properly supported system. During the operational phase, the LM implements action to provide timely, adequate, and economic support of service equipment.

18. Maintenance Engineering (ME). That activity of equipment maintenance which develops concepts, criteria, and technical requirements during the acquisition phase of the system/equipment life cycle, to be applied and maintained in a current status during the operational phase, and to assure timely, adequate, and economic maintenance support of systems and equipments.

19. NAVDEP. Navy Depot overhauls aircraft.

20. NAVAIRHQ. Naval Air Systems Command Headquarters.

21. NAVAIR Weapon System Support Board. A body of designated representatives from the Assistant Commander for Fleet Support and Field Activity Management (AIR-04), Assistant Commander for Systems and Engineering (AIR-05), NAVAIR Acquisition Executive and Deputy Commander for Operations (AIR-01) groups and the Naval Aviation Logistics Center which reviews and evaluates proposed additions or changes in workload to individual NAVDEP's, transfers workload between NAVDEP's, and provides recommendations regarding same to the Assistant Commander for Fleet Support and Field Activity Management (AIR-04A) for implementation.

22. Other Equipment. All non-aircraft systems or equipment and associated SE, including related TPS, for which NAVAIR has material support responsibility, e.g., astronautics, spacecraft, targets, airborne mine defense, photography, metrology, ship installations, training, and range instrumentation.

3364

Definitions/Acronyms

1. Aircraft Mission Equipment. The aggregate of systems, subsystems, equipment components, and related software installed in or on an aircraft, other than elements of the aircraft system itself which is required to permit an aircraft weapon system to accomplish its assigned mission, and the support equipment (SE), including related test program sets (TPS), required for its operation and support.

2. Aircraft System (AS). The aggregate of airborne and ground related subsystems, equipment, components, and related software required for qualified flight personnel to safely initiate, sustain, and terminate flight within the performance envelope, and under the conditions specified for the aircraft weapon system in question, and the SE, including related TPS, required for its operation and support. Not included are the weapons and other ordnance items and the nonexpendable installed combat mission equipment.

3. Aircraft Weapon System. The aggregate of airborne and related ground-based subsystems, equipment, components, and related software required to permit qualified flight personnel to accomplish an assigned operational mission. It consists of the AS; the installed, nonexpendable mission equipment; the expendable weapons, and other ordnance items (if any), together with associated SE, including related TPS.

4. AIRTASK. An AIRTASK is a NAVAIRHQ document for assigning work to field activities.

5. Basic Design Engineering (BDE). The engineering and quality assurance activity necessary to evolve detail design disclosures for systems, subsystems, equipments, and components exhibiting attributes essential for them to meet specific military requirements. During the operational phase, it includes any engineering activity, the results of which would add to or alter the design of an equipment in such a manner, or to such an extent, as to change its operational capabilities or its design attributes of performance, reliability, maintainability, and parts interchangeability, or to render it capable of alternative or additional use.

6. Basic Design Engineering Cognizance. The responsibility assigned and authority delegated to an organization or individual which can be assumed and exercised as necessary, to cause required engineering and procurement support functions to be performed.

3364