DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
WASHINGTON, D.C. 20362-5101

IN REPLY REFER TO
NAVSEAINST 4440.17B
OPR 05X3
20 JUL 92

NAVSEA INSTRUCTION 4440.17B

From: Commander, Naval Sea Systems Command

Subj: INVENTORY MANAGEMENT OF MARINE GAS TURBINE AND ASSOCIATED SHIP ENGINEERING CONTROL SYSTEM MODIFICATION KITS

Ref: (a) NAVSEA T9234-AB-PRO-010/MGTE TD Guide, Marine Gas Turbine Technical Directives Manual

(b) AR-41, Aeronautical Requirements, Technical Directive Development and Acquisition of Integrated Support for Aeronautical Weapons System Changes

Encl: (1) Listing of Applicable Equipment, Special Material Identification Codes (SMICs), and Kit Inventory Manager

1. Purpose. To revise policies, responsibilities, and procedures for the acquisition and inventory management of Marine Gas Turbine (MGT) and associated Ship Engineering Control System (ECS) modification kits.

2. Cancellation. NAVSEAINST 4440.17A of 14 June 1985.

3. Background. The MGT Technical Directive (TD) System, established by reference (a), is the authorized method for directing the accomplishment of modifications to MGT and associated ship ECS equipment. MGT and ECS modification kits are budgeted and issued as Naval Sea Systems Command Headquarters (NAVSEA) owned material for one-time installation in specified equipment by organizational, intermediate, and depot maintenance activities as part of a modification program and, therefore, are not considered items of supply nor within the scope of the Federal cataloging program. Consequently, Kit Identification Numbers (KINs), in lieu of National Stock Numbers (NSNs), are assigned for purposes of identification, requisitioning, and reporting. For convenience of computer processing procedures and facilities used for control of aeronautical modification kits, MGT and ECS modification kits have been designated as 6V cognizant material. Therefore, inventory management for these kits has been assigned to the Naval Aviation Maintenance Office (NAVAVNMAINTOFF), Patuxent River, Maryland. Enclosure (1) is a listing of MGT and ship ECS Equipment TD Compliance Kit Categories denoting Special Material Identification Codes (SMICs) and kit inventory manager.

4. Scope. This instruction applies to all MGT and ECS kits authorized and acquired by NAVSEA for use on basic equipment, spares, trainers, and special support equipment.

5. Authority for Use. MGT and ECS modification kits are acquired for accomplishment on specific equipment as designated in the TD. Issuance of modification kits for incorporation into other equipment or for diversion to uses other than those authorized by the applicable directive is prohibited without NAVSEA approval.

6. MGT and ECS Modification Kits. Materials required to accomplish modifications in MGT and ECS equipment will, insofar as practicable, be furnished as modification parts kits and installation and maintenance tool kits.

a. Modification Parts Kits. Modification parts kits will be provided for accomplishment of a modification to basic equipment, trainers, and spares unless the modification involves only rework of current parts. Except as noted below, kits will contain all material required to accomplish the modification (or part of the modification if the TD is being issued in parts) in one affected article so that a minimum of requisitioning or local fabrication is required. Kits will not contain spares or repair parts for local stock, shelf-life material, or hazardous material which require extraordinary packaging and handling. Items to be fabricated from local stock material may also be excluded when specifically authorized by NAVSEA. When local fabrication is authorized, the items excluded from kits will be limited to those which are within the maintenance capability of accomplishing activities, and complete instructions for the fabrication of such items will be included in the TD as set forth in reference (a).

b. Installation and Maintenance Tool Kits. Kits will contain those special tools and equipment required to incorporate the change as are otherwise not available and are not feasible for local manufacture.

7. Action

a. Internal Combustion Engine and Gas Turbine Division (SEA 05X3)

(1) Establish and issue policy concerning MGT kits.

(2) Budget for modification parts kits and installation and maintenance tool kits for MGT equipment.

(3) When a decision has been made to modify equipment by retrofit, provide Naval Aviation Maintenance Office (NAVAVNMAINTOFF), Code 411B1, the kit inventory manager, the TD title and number, the associated kit requirements, kit cost, planned modification schedule, and kit delivery requirements. Request a KIN (requests for KINs will be in writing).

(4) After obtaining the KIN, procure kits to support the modification plan.

(5) Provide allocation and shipping instructions for kits to stock points.

(6) Advise the kit inventory manager of those kits which should be "controlled issue"; i.e., kits that require NAVSEA 05X3 approval for release.

(7) Ensure that the provisions of reference (b) which pertain to the Technical Directive Kit Shipment Report requirements are included in appropriate procurement documents.

(8) Advise the kit inventory manager of program changes that impact initial allocation.

(9) Include in the TD, as set forth in reference (a), detailed requisitioning procedures for operating activities requiring a kit.

(10) Acquire all other logistics elements necessary to support the modified configuration.

(11) Obtain SMICs for modification parts kits associated with ECS equipment that are in addition to those specified in enclosure (1).

b. Machinery Control System Division (SEA 05J)

(1) Establish and issue policy concerning ECS kits.

(2) Budget for modification parts kits and installation and maintenance tool kits for ECS equipment.

(3) When a decision has been made to modify equipment by retrofit, provide NAVAVNMAINTOFF, Code 411B1, the kit inventory manager, the TD title and number, the associated kit requirements, kit cost, planned modification schedule, and kit delivery requirements. Request a KIN (requests for KINs will be in writing).

(4) After obtaining the KIN, procure kits to support the modification points.

(5) Provide allocation and shipping instructions for kits to stock points.

(6) Advise the kit inventory manager of those kits which should be "controlled issue"; i.e., kits that require NAVSEA 05J approval for release.

(7) Ensure that the provisions of reference (b) which pertain to the Technical Directive Kit Shipment Report requirements are included in appropriate procurement documents.

(8) Advise the kit inventory manager of program changes that impact initial allocation.

(9) Include in the TD, as set forth in reference (a), detailed requisitioning procedures for operating activities requiring a kit.

(10) Acquire all other logistics elements necessary to support the modified configuration.

(11) Obtain SMICs for modification parts kits associated with ECS equipment that are in addition to those specified in enclosure (1).

c. Kit Inventory Manager (NAVAVNMAINTOFF)

(1) Assign KINs and advise the NAVSEA-assigned Program Director.

(2) Manage the inventory of MGT and ECS kits.

(3) Obtain SEA 05X3 or 05J approval prior to the issuance of "Z" codes (controlled) modification kits.

(4) Provide monthly inventory and issue transaction reports and quarterly summary of inventory and issue transactions for MGT equipment kits to SEA 05X3 and ECS equipment kits to SEA 05J.

(5) Advise SEA 05X3 and 05J of any information that would normally be provided to NAVAIR codes; e.g., excess nominations, recommendations for additional procurement, etc.

8. Reports. The transaction reporting required by paragraph 7c is exempt from reports control procedures as defined in SECNAVINST 5214.2B.

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Listing of Applicable Equipment, Special Material Identification Codes (SMICs), and Kit Inventory Manager

Application	SMIC	Kit Inventory Manager
LM2500 Gas Turbine Engine Assembly	TU	NAVAVNMAINTOFF
LM2500 Special Support Equipment	TV	NAVAVNMAINTOFF
LM2500 Ancillary Equipment	TW	NAVAVNMAINTOFF
501-K17 Gas Turbine Engine Assembly	UB	NAVAVNMAINTOFF
501-K17 Special Support Equipment	UC	NAVAVNMAINTOFF
501-K17 Ancillary Equipment	UD	NAVAVNMAINTOFF
501-K34 Gas Turbine Engine Assembly	*	NAVAVNMAINTOFF
501-K34 Special Support Equipment	*	NAVAVNMAINTOFF
501-K34 Ancillary Equipment	*	NAVAVNMAINTOFF
ME831-800 Gas Turbine Assembly	E4	NAVAVNMAINTOFF
ME831-800 Special Support Equipment	*	NAVAVNMAINTOFF
ME831-800 Ancillary Equipment	*	NAVAVNMAINTOFF
IM831-800 Gas Turbine Assembly	*	NAVAVNMAINTOFF
IM831-800 Special Support Equipment	*	NAVAVNMAINTOFF
IM831-800 Ancillary Equipment	*	NAVAVNMAINTOFF
T-1020S-100B/BE Gas Turbine	F3	NAVAVNMAINTOFF
T-1020S-100B/BE Special Support Equipment	*	NAVAVNMAINTOFF
T-1020S-100B/BE Ancillary Equipment	*	NAVAVNMAINTOFF
T-1000S-28AA Gas Turbine Engine Assembly	*	NAVAVNMAINTOFF
T-1000S-28AA Special Support Equipment	*	NAVAVNMAINTOFF
T-1000S-28AA Ancillary Equipment	*	NAVAVNMAINTOFF

* To be assigned

Application	SMIC	Kit Inventory Manager
T-1302S-28AA Gas Turbine Engine Assembly	*	NAVAVNMAINTOFF
T-1302S-28AA Special Support Equipment	*	NAVAVNMAINTOFF
T-1302S-28AA Ancillary Equipment	*	NAVAVNMAINTOFF
TF40B Gas Turbine Engine Assembly	*	NAVAVNMAINTOFF
TF40B Special Support Equipment	*	NAVAVNMAINTOFF
TF40B Ancillary Equipment	*	NAVAVNMAINTOFF
T62T-40-7 Gas Turbine Engine Assembly	*	NAVAVNMAINTOFF
T62T-40-7 Special Support Equipment	*	NAVAVNMAINTOFF
T62T-40-7 Ancillary Equipment	*	NAVAVNMAINTOFF
DD 963/DDG 993 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF
FFG 7 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF
CG 47 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF
PHM 1/3 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF
DDG 51 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF
MHC 1 Class Ship Engineering Control System Equipment	*	NAVAVNMAINTOFF

* To be assigned