



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350-2000

IN REPLY REFER TO
OPNAVINST 9234.1A
N869
16 May 1994

OPNAV INSTRUCTION 9234.1A

From: Chief of Naval Operations

Subj: MARINE GAS TURBINE INSPECTOR (MGTI) PROGRAM

1. Purpose. To provide revised policy for subject program and responsibilities for the Marine Gas Turbine Inspector (MGTI) Program. This instruction has been completely revised and should be reviewed in its entirety.
2. Cancellation. OPNAVINST 9234.1 of Sep 1990.
3. Discussion. As the number of marine gas turbines in the fleet continues to grow, the scope and number of repairs carried out at the organizational and intermediate level have become much larger. The MGTI program has been established to qualify uniformed technical representatives to ensure that repairs, change-out decisions and inspections are conducted following prescribed standards and procedures.
4. Policy. Chief of Naval Operations maintenance policy is to repair and maintain marine gas turbines (MGT) at the maintenance level closest to the operational level, provided that repairs are expedient, reliable and achieved at the lowest total cost to the Navy. To execute that policy, MGTIs will perform inspections and oversee and/or assist in the responsibilities designated in paragraph 5.
5. Responsibilities. MGTIs will be assigned to Intermediate Maintenance Activities (IMAs), staffs, and Naval Sea Support Centers (NAVSEACENS). MGTIs will have the following capabilities and authority:



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16 MAY 1994

- a. Perform periodic inspections as required by Type Commander (TYCOM) and Commander Naval Sea Systems Command (COMNAVSEASYSKOM) directives.
- b. Review Marine Gas Turbine Equipment Service Records with Marine Gas Turbine Logbook Signature Authority.
- c. Provide troubleshooting and on-the-job maintenance training.
- d. Perform diagnostic vibration surveys and recognize the need for further vibrational analysis.
- e. Oversee in-place gas turbine repairs.
- f. Oversee Gas Turbine Change installations.
- g. Monitor compliance of Configuration Status Accounting requirements and technical directive reports required.
- h. Make engine change recommendations.

6. Training and Certification.

a. Prerequisites. The following prerequisites apply for entry into MGTI training:

- (1) Pay grade E7 or senior in the Gas Turbine System Technician (GS) rating.
- (2) Graduate from GS Class "C" School.
- (3) 12 years time in service, 8 years in the GS rating.
- (4) Commanding officer recommendation.
- (5) TYCOM endorsement.

16 MAY 1994

b. Training. Initial MGTI training will be obtained via a master level course taught at Engineering School Ship Great Lakes. Bureau of Naval Personnel (BUPERS) will act as quota control for the MGTI course. The follow-on training will include intensive on-site training under the guidance of NAVSEACENS, and an end-of-training competency verification. The end-of-training competency verification will be based on results of the following:

- o Written classroom exams
- o Homework problems
- o Written case studied
- o Oral examinations
- o Performance of predeployment grooms
- o Written reports

c. Certification. Since MGTIs will function as NAVSEA Technical Representatives, upon verification of competency, COMNAVSEASYSKOM will issue a 36 month certification. Following final certification, COMNAVSEASYSKOM will recommend award of Navy Enlisted Classification 4136. Certification will remain valid provided the MGTI conducts at least two Gas Turbine Readiness Reviews, and attends one MGTI seminar during the previous 12 months.

d. Extension of Certification. MGTI certification will be extended in 18-month intervals. Request for extension will be submitted to COMNAVSEASYSKOM (SEA-03X) via Type Commander. By endorsement the commanding officer will certify that the MGTI meets the requirements of paragraph 6c. A MGTI whose certification has lapsed or been suspended will be required to recertify under procedures established by COMNAVSEASYSKOM on a case by case basis.

e. Seminars. MGTI seminars will be conducted at least semiannually near the major fleet concentrations. MGTI seminars will be funded and coordinated by COMNAVSEASYSKOM (NAVSEA 03D).

16 MAY 1994

These seminars will include inspection criteria, changes in procedures and practices, lessons learned, recent casualty reports, new developments, and upcoming programs. The seminars provide critical feedback to the technical community. Previously certified MGTIs not currently in MGTI billets are encouraged to attend these seminars.

7. Action.

a. COMNAVSEASYSCOM will provide guidance and coordination for the program to ensure that:

(1) Standards, guidelines and requirements for MGT inspections are established and maintained.

(2) MGTI training and certification course is developed.

(3) MGTI seminars are scheduled and conducted at least semiannually.

b. Fleet Commanders in Chief and Type Commanders will:

(1) Schedule inspections and grooms of MGT systems making maximum use of MGTI.

(2) Screen and endorse candidates for the MGTI program.

(3) Fund Temporary Additional Duty (TAD) costs (within budget constraints) for MGTIs to participate in seminars and training.

c. The Chief of Naval Education and Training has assumed responsibility for the MGTI training course.

d. BUPERS will:

16 MAY 1994

(1) Ensure that personnel assigned to MGTI and MGTI instructor billets hold the MGTI NEC.

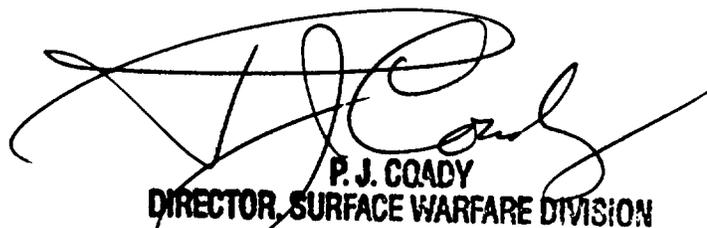
(2) Maintain quota control for the MGTI course.

(3) Assist TYCOMS and COMNAVSEASYSKOM in revising and updating MGTI billets.

e. Commanding Officers will:

(1) Nominate to their respective TYCOMS, motivated and qualified technicians for certification as MGTIs.

(2) Ensure assigned MGTIs maintain certification and are afforded the opportunity to attend MGTI seminars.



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OPNAVINST 9234.1A

16 MAY 1984

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