



DEPARTMENT OF THE NAVY
COMMANDER
NAVAL METEOROLOGY AND OCEANOGRAPHY COMMAND
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NAVMETOCCOMINST 5232.1F
N3

26 JUN 2000

NAVMETOCCOM INSTRUCTION 5232.1F

From: Commander, Naval Meteorology and Oceanography Command

Subj: GEOPHYSICS FLEET MISSION PROGRAM LIBRARY (GFMP)

Ref: (a) MIL-STD-973, Configuration Management, 17 Apr 92
(b) 12207.0-1996 IEEE/EIA Standard for Software Life Cycle Processes

1. Purpose. To define and provide guidance for the operation and management of the Geophysics Fleet Mission Program Library (GFMP). This instruction contains extensive revisions and should be reviewed in its entirety.
2. Cancellation. NAVMETOCCOMINST 5232.1E
3. Scope. GFMP is a Windows NT based software library that contains meteorological and oceanographic (METOC) applications, METOC climatology, and other environmental analyses tools. These applications assist in the assessment and exploitation of environmental effects on Naval communication, weapon, and sensor systems. The term "METOC applications" refers to oceanographic, atmospheric, astrometric, hydrographic and Geospatial Information Services (GI&S) and Systems applications. The Commander, Naval Meteorology and Oceanography Command (COMNAVMETOCCOM) established GFMP to ensure that on-scene METOC support is available to Navy, Marine Corps and other DOD users. COMNAVMETOCCOM determines the hardware and systems performance environments for which GFMP will be available.
4. Discussion.
 - a. GFMP is populated by standardized METOC applications and decision aids. This is accomplished by the use of CNO accredited Oceanographic and Atmospheric Master Library (OAML) models, algorithms and databases within GFMP applications. It is also accomplished through strict configuration management (CM) practices in accordance with references (a) and (b) and through automatic distribution of software updates to all GFMP users. The Naval Oceanographic Office (NAVOCEANO), as COMNAVMETOCCOM'S



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designated Software Support Activity (SSA), will monitor GFMP L CM and distribution to ensure the library achieves the goal of Navy-wide METOC application standardization.

b. Submission of candidate METOC applications for inclusion in GFMP L is strongly encouraged. Applications will be submitted to NAVOCEANO for evaluation and inclusion in GFMP L. If approved as a GFMP L application, NAVOCEANO will assist the developer in preparing the required Software Design Document (SDD) and Software Test Description (STD), written in accordance with reference (b). Although these documents are required for proper CM, software may be released as a part of GFMP L before they are completed.

c. GFMP L Software may be provided to developers of specific on-scene systems such as the Naval Integrated Tactical Environmental Subsystem (NITES) and its variants. Coordination of GFMP L software transfers will be performed by COMNAVMETOC COM (Codes N311/N314) with NAVOCEANO technical assistance.

5. Action

a. COMNAVMETOC COM as the oceanographic/atmospheric model manager for GFMP L has standardization responsibility for all oceanographic/atmospheric models and data bases within the library. COMNAVMETOC COM is responsible for determining operational requirements for GFMP L applications.

b. COMNAVMETOC COM (N311) is designated as the Program Manager (PM) for GFMP L and will:

(1) Be responsible for overall management of the GFMP L program.

(2) Review, approve and direct funding for GFMP L application maintenance, development and distribution.

(3) Convene and chair a GFMP L Application Review Board (GAR B) meeting at least semi-annually. GAR B membership includes the Marine Liaison Officer assigned to COMNAVMETOC COM (Code N314), SSA representatives from NAVOCEANO, representatives from the Naval METOC Professional Development Center (NAVMETOC PRODEV CEN) and invited parties from the user community. The GAR B will:

- Review a status report on the GFMP L baseline from the SSA to include funding issues.

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- Review a status report on GFMPPL training issues from the NAVMETOC PRODEV CEN.
- Review and prioritize operational requirements for existing, planned or new GFMPPL applications.
- Approve configuration change plans or updates to the GFMPPL baseline.
- Review or approve developmental efforts for new applications.

c. NAVOCEANO is designated as COMNAVMETOC COM's SSA for GFMPPL and Validation Activity (VA) for candidate GFMPPL applications. In pursuit of these duties, NAVOCEANO will:

(1) Conduct a thorough technical review of each candidate application submitted for inclusion into GFMPPL. This review should include but not be limited to operational requirements for the application as well as the scientific capabilities and limitations associated with it. The SSA will provide the results of this review, with recommendations, to COMNAVMETOC COM (N311).

(2) Establish procedures for incorporating changes into the GFMPPL baseline. Provide documentation assistance to developers who submit applications approved for inclusion in GFMPPL.

(3) Work toward standardization of METOC applications with the goal of limiting redundant METOC applications that fulfill the same operational requirements. Ensure GFMPPL software is in compliance with Navy shipboard system requirements.

(4) Distribute software and related documentation. Provide initial familiarization training upon request from GFMPPL users.

(5) Receive and analyze Change Request (CR) and Defect Report (DR) Forms and provide feedback to the submitting activity. The SSA will coordinate with NAVMETOC PRODEV CEN analyzing and prioritizing operational requirements from users for changes to the GFMPPL baseline or individual applications. Provide comment on major issues to COMNAVMETOC COM (N311).

(6) Maintain and annually publish a listing of all available GFMPPL applications. This may be done on a GFMPPL web site.

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d. Developers of candidate applications for GFMPPL shall submit applications to the SSA for evaluation and endorsement. The PM is the final approval authority for all items being considered for GFMPPL.

e. NAVMETOC PRODEV CEN will:

(1) In coordination with the SSA, analyze and prioritize user operational requirements for changes to the GFMPPL baseline or individual GFMPPL applications.

(2) Act as a beta test site for each new version of GFMPPL and provide training in the use of GFMPPL applications for tactical military operations.

(3) Be an active participant in the GARB.

f. Government activities desiring GFMPPL software and documentation shall submit requests to NAVOCEANO. Current DOD GFMPPL users will automatically receive updates when available.


LARRY WARRENFELTZ
Chief of Staff

Distribution:

C40 Shore Based Detachments, Meteorology and Oceanography
FD Shore Activities under the Command of COMNAVMETOC COM

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24D Surface Force Commanders
24G Submarine Force Commanders
24J Marine Corps Forces Commands
25A Mine Warfare Command
26A Amphibious Group (Staff Oceanographer)
26KKK Tactical Training Group
27G Support Force Antarctica
28A Carrier Group (Staff Oceanographer)
28B Cruiser-Destroyer Group (Staff Oceanographer)
28C1 Surface Group LANT (Little Creek only)
28K Submarine Group and Squadron (ONE, SEVEN, NINE, TEN, and TWELVE only)

29B Aircraft Carrier (CV) (CVN) (OA Division)
31A Amphibious Command Ship (LCC) (OA Division)
31H Amphibious Assault Ship (LHA) (LPH) (OA Division)
31N Multi-Purpose Amphibious Assault Ship (LHD) (OA
Division)
32KK Miscellaneous Command Ship (AGF)
42A Fleet Air Command
42B1 Functional Wing Commander LANT
42B2 Functional Wing Commander PAC
42S Air Test and Evaluation Squadron (VX) and Antarctic
Development Squadron (VXE)
45A1 Fleet Marine Forces Commands (G2)
45A2 Marine Expeditionary Force (SWO)
46C1 Marine Aircraft Group and Detachments
46Q Wing Support Group (WXO)
46R Marine Wing Support Squadron and Detachment (WXO)
46U Aviation Weapons and Tactics Squadron (AGS)
50A Unified Commands
50D Components of Unified/Specified Commands (Navy only)
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E3A Laboratory, Research
FF18 Tactical Support Activity
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FKA1G Sea Systems Command
FKP1E Undersea Warfare Center and Divisions
FKP4E Surface Warfare Center Divisions (Dahlgren and Bethesda
only)
FKR6 Air Warfare Center
FP1 Doctrine Command
FT15 Technical Training Unit
FT46 Fleet Anti-Submarine Warfare Training Center
FT78 Education and Training Professional Development and
Technology Center
V4 Marine Corps Air Facility (WX)
V5 Marine Corps Air Station (WXO)
V25 Marine Corps Air-Ground Combat Center (WXO)
MARCOR DET Keesler (WX OIC)
NAVOCEANO LANT COMP Norfolk
NAVOCEANO PAC COMP San Diego
HQ AWS (DO, PM)
USAF Environmental Technical Application Center Library