

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND
Fort Monroe, Virginia 23651-5000

TRADOC Regulation
No. 10-8

5 June 1987

Organizations and Functions
FIELD ARTILLERY MISSILE EVALUATION GROUP (FAMSEG)

This regulation replaces TRADOC Reg 350-47. It is a complete revision. Supplementation of this regulation is prohibited unless specifically approved by HQ, TRADOC. Internal Control System: This regulation is not subject to the requirements of AR 11-2. It does not contain internal control provisions.

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*This regulation supersedes TRADOC Reg 350-47, 8 June 1984.

1. Purpose. This regulation provides United States Army Training and Doctrine Command policy and guidance to the Field Artillery Missile Systems Evaluation Group (FAMSEG).

2. Policy. The references in appendix A contain Army and TRADOC policy and guidance for postdevelopment test and evaluation of field artillery (FA) missile systems and reporting of Pershing artillery ordnance (A-O) and LANCE missile firing results. [\[Back to Contents\]](#)

3. Objectives.

a. Ensure that FA missile systems in the stockpile meet established safety and reliability requirements.

b. Provide a control element for TRADOC to coordinate, evaluate, and report all Pershing A-O and LANCE missile firings.

c. Provide TRADOC representatives or observers from the U.S. Army Field Artillery Center and Fort Sill (USAFACFS) to missile committees and other MACOMs. [\[Back to Contents\]](#)

4. Missions of FAMSEG. The FAMSEG will--

a. Act as the Artillery Test Director for LANCE annual service practice (ASP) and PERSHING A-O missile firing programs conducted within CONUS. Provide the tactical control and supervision for the firing programs. The Artillery Test Director will --

- (1) Conduct prefiring conferences.
- (2) Prepare tactical firing directives.
- (3) Validate range operational requirements.
- (4) Coordinate and update firing plans.
- (5) Coordinate range support requirements.
- (6) Validate evaluation findings and determine the firing unit evaluation results.
- (7) Prepare and distribute firing reports.

b. Provide technical expertise in the combat development cycle for field artillery missile systems. The FAMSEG will--

- (1) Assist combat development agencies (USAFACFS, other commands, technical agencies, and national defense contractors) in developmental staff actions.
- (2) Assist in the development of technical manual (TM) procedures.
- (3) Provide data collectors/evaluators for user/troop testing of combat developments.
- (4) Qualify and validate combat developments through the A-O and ASP firings. As practical, integrate stockpile flight tests (SFT), new equipment qualifications, and new procedural validations with the firing programs.
- (5) Throughout the life cycle of FA missile systems, conduct TM reviews.

c. Provide teams trained in the operating procedures for--

- (1) Emplacement, checkout, maintenance, and firing of FA missile systems.
- (2) Troubleshooting, repair and checkout of missile assemblies and ground support equipment through intermediate support maintenance (DS/GS) level for the following purposes:

(a) Coordinate, evaluate, and report missile ASP A-O, and graduation firings (worldwide).

(b) On-call technical assistance to FA missile systems (worldwide).

(c) Augmentation to FA headquarters for external evaluations and inspections (worldwide).

d. Through on-site visits and staff research, identify areas for system improvements. Also, the FAMSEG will develop, coordinate, and recommend more effective training, doctrine, equipment modifications, technical procedures and other matters pertaining to FA missile systems to the appropriate agency for action.

e. Prepare studies, plans and informational material on FA missile matters. [\[Back to Contents\]](#)

5. Organization. FAMSEG is assigned to the Field Artillery School at Fort Sill, Oklahoma, under the supervision of the Weapons Department, USAFAS, and is organized as follows:

* GROUP
HEADQUARTERS

LANCE
DIVISION

PERSHING
DIVISION

*Includes CMD Group, Operations, Intelligence, Training and Administration.

6. The Commander, FAMSEG.

a. The Commander, FAMSEG will have the primary duty of command, control, and supervision of FAMSEG operations, with the major additional duty of principal advisor to the Commanding General, USAFACFS on FA missile matters.

b. The functions of the Commander, FAMSEG are as follows:

(1) Exercise command and control over all FAMSEG assets and operations.

(2) Act as USAFACFS Missile Operations Officer under the supervision of the Director, Weapons Department, USAFAS. Principal functions are to provide liaison among the General Staff, USAFAS, missile commanders, technical agencies, contractor representatives, and other supporting agencies on USAFACFS missile matters and to act on requirements from off-post agencies and action type correspondence from higher headquarters.

(3) Act as the Artillery Test Director for LANCE ASP and PERSHING A-O missile firing programs conducted within CONUS. Provide the tactical control and supervision for the firing programs. The Artillery Test Director will--

(a) Conduct prefiring conferences.

- (b) Prepare tactical firing directives.
- (c) Validate range operational requirements.
- (d) Coordinate and update firing plans.
- (e) Coordinate range support requirements.
- (f) Validate evaluation findings and determine the firing unit evaluation results.
- (g) Prepare and distribute firing reports.

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7. The LANCE Division, FAMSEG.

a. The LANCE Division will coordinate and perform all LANCE-related matters for the Commander, FAMSEG.

b. Specific functions of the LANCE Division are to--

(1) Provide the U.S. portion of the SHAPE Evaluation Team at NAMFI, Crete.

(2) Plan, coordinate, and conduct the CONUS LANCE ASP firing program.

(3) Conduct a one-week technical assistance visit (TAV) of each U.S. Army LANCE battalion prior to their ASP firing.

(4) Provide LANCE technical assistance (worldwide).

(5) Perform all assistance to LANCE combat developers, and integrate all test requirements into the ASP as practical.

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8. The PERSHING Division, FAMSEG.

a. The PERSHING Division will coordinate and perform all PERSHING-related matters for the Commander, FAMSEG.

b. Specific functions of the PERSHING Division are to--

(1) Plan, coordinate, and conduct the PERSHING II and PERSHING 1a A-O firing programs.

(2) Provide on-call evaluator support for--

(a) The PERSHING Operational Test Unit (POTU) in the conduct of PERSHING II operational testing firing programs.

(b) NATO in conducting tactical evaluations (TAC EVAL) of PERSHING Pla units.

(c) German Air Force Tactical Command (GAFTAC) in the assessment of quick reaction alert (QRA) and field performance.

(3) Provide PERSHING II and PERSHING 1a technical assistance

(worldwide).

(4) Perform all assistance to PERSHING II and PERSHING 1a combat developers, and integrate all test requirements into the A-O firing program as practical.

9. Request for visits. Requests for assistance are directed to Commander, FAMSEG, ATTN: ATSF-WF, Fort Sill, OK 73503-5600, with information copies furnished to HQ, TRADOC, ATTN: ATCS-P and ATPL, Fort Monroe, VA 23651-5170. Requests should include type of assistance desired, units to be visited, and time frame of visit.

10. Coordination. Direct coordination with Commander, FAMSEG is authorized.

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11. Funding. The Commander of FAMSEG will forecast the following budgeting requirements:

- a. A 1 week pre-ASP TAV to each European-based U.S. LANCE battalion.
- b. The conduct of one ASP at White Sands Missile Range, NM, for each CONUS LANCE battalion.
- c. The conduct of all PERSHING II A-O firings per year.
- d. The conduct of all PERSHING 1a A-O firings per year.
- e. Assisting in the combat developments for both the LANCE and PERSHING missile communities.

APPENDIX A REFERENCES

AR 10-41	Organizations and Functions of USA TRADOC
AR 50-4	Safety Studies and Reviews of Nuclear Weapons Systems
AR 70-1	Army Research, Development, and Acquisition
AR 70-10	Test and Evaluation During Development and Acquisition of Material
AR 70-15	Product Improvement of Material
AR 70-24	Special Procedures Pertaining to Nuc Wpn Systems Development
AR 71-3	User Testing
AR 702-5	Missile Firing Reports
AR 742-8	Army Nuclear Weapons Stockpile Reliability Program (ANWSRP)
TR Reg 71-9	User Testing and Evaluation

DA Ram 71-3 Opnl T&E; Methodology and Procedural Guide

TR Pam 71-13 Independent Evaluation Methodology and Procedures

TR Pam 71-15 User Testing Methodology and Procedures

PERSHING II Test and Evaluation Master Plan (TEMP) (SRD)

PERSHING II/Ib Artillery Ordnance (A-O) Firing Plan

PERSHING II Operational Test Program (OTP), Vol. II (SRD)

PERSHING Ia Artillery Ordnance (A-O) Firing Plan

U.S. Army LANCE Artillery Firing Plan

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GLOSSARY

EXPLANATION OF TERMS

Annual service practice (ASP)

The LANCE annual service practice (ASP) firing program is a DA program of the LANCE missile system conducted by FAMSEG. The mission of the ASP firing program is to provide training, quality assurance, warhead and missile reliability assessment. The program also accommodates tests of personnel procedural changes, proposed hardware modifications, and approved tactical or instrumentation modifications prior to fielding.

Artillery ordnance (A-O) firing program

The PERSHING artillery ordnance (A-O) firing program is a DA program of the PERSHING missile systems conducted by FAMSEG for the CG, Ft Sill. The mission of the A-O firing program is to provide training, quality assurance, warhead and missile reliability assessment. The program also accommodates tests of personnel procedural changes, proposed hardware modifications, and approved tactical or instrumentation modifications prior to fielding.

Combat developer

The agency or command responsible for the formulation of concepts, doctrine, organization, and materiel objectives and requirements relating to the employment of U.S. Army Forces in a theater of operations and in the control of civil disturbances.

Stockpile flight test (SFT)

Warhead sections (less nuclear assembly) and rocket motors withdrawn from stockpile are fired to determine degradation caused by aging and

handling. Firings are normally conducted by Army troops in conjunction with training under simulated operational conditions.

Technical assistance visit (TAV)

Visit made to a unit for the purpose of assisting in technical missile operations, missile systems maintenance, and associated field artillery missile matters. The visit normally precedes a major event for the unit, and is used to identify strengths and weaknesses and make recommendations for corrective actions. The tool used in the assistance visit is an evaluation of the operations (immediate oral critique followed by a formal written report). The scope of the visit and the distribution of the report are as prescribed by the commander requesting the visit.

User

That command, unit, or element which will be the recipient of the production item for use in accomplishing a designated mission and which will have the item included in its TOE or TDA.

User representative

The combat developer chosen to represent the user during the materiel acquisition process. After learning the user's needs, the representative influences the design of the materiel and ensures that new or product-improved materiel meets those needs. Representing both the "mission-oriented" user and the "logistic-oriented" user, the CD gets involved in both the operational and logistics support aspects of materiel systems. (TRADOC is the Army's principal user representative.)

User testing

A generic term encompassing operational testing (OT) and force development testing and experimentation (FDTE).

The proponent of this regulation is the Office of the Deputy Chief of Staff for Combat Developments. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended changes to Publications and Blank Forms) through channels to the Cdr, TRADOC, ATTN: ATCD-FA, Fort Monroe, Virginia 23651-5170.

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CINCUSAREUR & SEVENTH ARMY

CDR

FORSCOM

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Eighth US Army, ATTN: G-3

III Corps Artillery, ATTN: AFFS

V Corps, ATTN: FA Section

VII Corps, ATTN: FA Section

XVIII Airborne Corps, ATTN: G-3

56th FA Bde, ATTN: AEUAT-CG

USAFAMSEG, ATTN: ATSF-WFM

USAOTEA, ATTN: CSTE-TM-FA

USATECOM

COMDT, USAFAS (ATSF-W/ATSF-WGL/ATSF-WPG)

DIR, ARMTE, ATTN: STEWS-TE

HQ, USA Liaison Gp, NAMFI, Crete