



# Department of Defense MANUAL

NUMBER 4150.07-M, Volume 1  
December 12, 2008

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USD(AT&L)

SUBJECT: DoD Pest Management Training: The DoD Plan for the Certification of Pesticide Applicators

References: See Enclosure 1

## 1. PURPOSE

a. DoD Manual 4150.07 is issued under the authority of DoD Instruction (DoDI) 4150.07 (Reference (a)) and DoD Directive 5134.01 (Reference (b)). It establishes training goals and provides a uniform training process, training standards, and procedures to prepare DoD pest management personnel to meet DoD pest management policy objectives as stated in Reference (a).

### b. Volume 1:

(1) Replaces DoD 4150.07-P (Reference (c)).

(2) Prescribes procedures for DoD training and certification of pesticide applicators to meet the requirements of sections 136 through 136y of title 7, United States Code (U.S.C.) (Reference (d)), also known as the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It updates procedures to train and certify DoD pesticide applicators.

## 2. APPLICABILITY. This Volume:

a. Applies to the OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, and the DoD Field Activities (hereafter referred to collectively as the "DoD Components"). The "Military Services," as used herein, refers to the Army, the Navy, the Air Force, and the Marine Corps.

b. Is mandatory for use by all DoD Components. The Heads of the DoD Components may issue supplementary instructions only when necessary to provide unique requirements within their organizations.

c. Is the agency plan for the Department of Defense and applies to DoD employees applying any pesticides on DoD land or property under DoD administrative control and located within the United States, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, the Trust Territory of the Pacific Islands, or American Samoa. On the infrequent occasions when DoD employees will be applying pesticides on other property, they will work under the supervision of appropriately certified State or Federal personnel.

d. Does not apply to pesticide applicators working under the purview of the civil works functions of the Department of the Army, facilities occupied by DoD Component activities when real property control is not under DoD jurisdiction, and State-owned and State-operated (funded) installations.

3. DEFINITIONS. Terms used in this Volume that are unique to the military pest management program are defined in the Glossary.

4. POLICY. It is DoD policy according to Reference (a) to:

a. Use integrated pest management (IPM) to prevent or control pests and disease vectors that may adversely impact readiness or military operations by affecting the health of personnel or by damaging structures, materiel, or property.

b. Comply with all Executive orders and Federal statutory and regulatory requirements that apply to IPM. Although sovereign immunity has not been waived with respect to pest management laws, the Department of Defense voluntarily complies with the substantive portions of State pesticide and pest management laws and regulations in accordance with the procedures set forth in paragraph 1.a.(1) of Enclosure 3 of this Volume.

c. Continue to recognize as DoD-FIFRA certified pesticide applicators those DoD employees who were certified under the previous plan. Recertification, as required of previously DoD-FIFRA certified applicators, will be in accordance with applicable provisions of this Volume. Certification for new categories and subcategories will be granted only upon completion of training and demonstration of competency by passing written and performance tests.

5. RESPONSIBILITIES. See Enclosure 2.

6. PROCEDURES. See Enclosure 3.

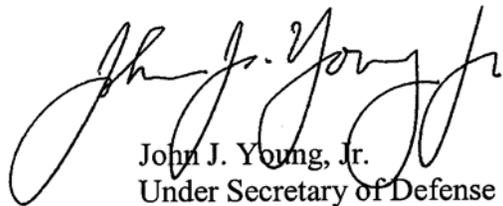
7. BACKGROUND. The FIFRA directs the Environmental Protection Agency (EPA) Administrator to prescribe standards for the certification of pesticide applicators. Regulations implementing this requirement (part 171 of title 40, Code of Federal Regulations (CFR))

(Reference (e))) require that Federal agency applicators of restricted use pesticides obtain certification under an appropriate EPA-approved certification plan. (See Volume 42 of the Federal Register (Reference (f)).) Section 21 of the FIFRA also requires Federal agencies to use IPM techniques in carrying out pest management activities and to promote IPM through procurement and regulatory policies and other activities (see section 136r-1 of Reference (d)). The training and certification of DoD employees as described by this Volume underscore the DoD commitment to IPM.

8. INFORMATION REQUIREMENTS. The Armed Forces Pest Management Board (AFPMB) shall prepare an annual report on training and certification under this Volume (The DoD Plan for the Certification of Pesticide Applicators) and shall submit the report to the EPA Administrator. The report will contain information outlined in Reference (e) and may include other information required by the Administrator. This report has been cleared in accordance with Chapter 201, section 201-9.202-2 of title 41 of the CFR (Reference (g)). The related DoD internal report required by Reference (e) and further described in Reference (a) has been assigned DoD internal report control symbol DD-AT&L(A&AR)1080 in accordance with DoD 8910.1-M (Reference (h)). The report will be submitted by March 31 each year and provide information on activities during the previous fiscal year.

9. RELEASABILITY. UNLIMITED. This Volume is approved for public release. Copies may be obtained through the Internet from the DoD Issuances Web Site at <http://www.dtic.mil/whs/directives>.

10. EFFECTIVE DATE. This Volume is effective immediately.



John J. Young, Jr.  
Under Secretary of Defense for  
Acquisition, Technology, and Logistics

Enclosures

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ENCLOSURE 1

REFERENCES

- (a) DoD Instruction 4150.07, "DoD Pest Management Program," May 29, 2008
- (b) DoD Directive 5134.01, "Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L))," December 9, 2005
- (c) DoD 4150.07-P, "DoD Plan for the Certification of Pesticide Applicators," September, 1996 (hereby canceled)
- (d) Sections 136-136y, title 7 of the United States Code
- (e) Part 171 of title 40, Code of Federal Regulations
- (f) Volume 42 of the Federal Register, pages 41907-41908, August 19, 1977
- (g) Chapter 201, section 201-9.202-2 of title 41, Code of Federal Regulations
- (h) DoD 8910.1-M, "Department of Defense Procedures for Management of Information Requirements," June 30, 1998
- (i) Executive Order 12088, "Federal Compliance with Pollution Control Standards," October 13, 1978
- (j) Army Regulation 200-1, "Environmental Protection and Enhancement," December 13, 2007
- (k) Air Force Instruction 32-1074, "Aerial Applications of Pesticides," May 1, 1998
- (l) Air Force Instruction 32-1053, "Pest Management Program," April 1, 1999
- (m) Operational Navy (OPNAV) Instruction 6250.4B, "Pest Management Programs," August 27, 1998

ENCLOSURE 2

RESPONSIBILITIES

1. UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS (USD(AT&L)). The USD(AT&L) shall:

a. Have overall responsibility for policy development, implementation, and surveillance of the DoD Pest Management Program in accordance with Reference (a).

b. In consultation with DoD Component certifying officials, may deny, suspend, or revoke the certificate of any DoD employee who violates any provision of FIFRA or falsifies records under this Volume.

2. ASSISTANT DEPUTY UNDER SECRETARY OF DEFENSE FOR ENVIRONMENT, SAFETY, AND OCCUPATIONAL HEALTH (ADUSD(ESOH)). The ADUSD(ESOH), under the authority, direction, and control of the USD(AT&L), through the Deputy Under Secretary of Defense for Installations and Environment and in accordance with Reference (a), shall provide operational direction and supervision of the AFPMB.

3. DIRECTOR, AFPMB. The Director, AFPMB, chartered by the USD(AT&L), shall:

a. Review policy matters and propose policy changes for the Department of Defense in accordance with Reference (a).

b. Monitor compliance with this Volume.

c. Review and approve DoD Components' recommendations for pest management consultants.

d. Review and approve Military Service and Defense Logistics Agency (DLA) recommendations for pesticide applicator certifying officials.

e. Maintain list of approved pesticide applicator certifying officials and pest management consultants.

4. SECRETARIES OF THE MILITARY DEPARTMENTS AND THE DIRECTOR, DLA. The Secretaries of the Military Departments and the Director, DLA (under the authority, direction, and control of the USD(AT&L), through the Deputy Under Secretary of Defense for Logistics and Materiel Readiness), shall:

- a. Designate a senior pest management consultant as the primary point of contact for the DoD Components' pest management training program in accordance with Reference (a).
  
- b. Nominate pest management consultants to serve as certifying officials to certify the competency of the DoD Components' pesticide applicators according to Reference (a).

ENCLOSURE 3

PROCEDURES

1. COMPLIANCE WITH THE CFR (See Reference (e).)

a. Adherence to State Certification Standards

(1) The Department of Defense cooperates with individual States by adhering to substantive standards that meet or exceed those established by the State or EPA. If a given State's substantive standard is more stringent than, or is additional to, standards established in this Volume, the State should notify the Department of Defense and request DoD compliance in accordance with Executive Order 12088 (Reference (i)) and this Volume. Upon notification by the State of a substantive standard issue, the Department of Defense will attempt to mediate the issue with the State. If unable to reach an agreement with the State, the Department of Defense will immediately forward all such notifications to EPA, which will render its opinion as to whether the standard is substantive or administrative in nature. The EPA administrator may mediate conflicts or cases of disagreement between the Department of Defense and a State.

(2) Commercial firms that contract to apply pesticides for the DoD Components are not DoD pesticide applicator employees. They may be trained by, but may not be certified by, the Department of Defense. All contract pesticide applicators must be certified by the appropriate regulatory authority under the provisions of EPA-approved plans.

(3) The Department of Defense will record and report instances of pesticide misuse and falsification of records by contractors to the appropriate certifying EPA or State agencies. The Department will cooperate with a State or the EPA in any subsequent investigation or actions.

b. Legal Authority. (See section 171.7(b)(1) and 171.9 of Reference (e).)

(1) DoD Authority. In accordance with FIFRA, Reference (e), and Reference (f), the Secretary of Defense may submit to EPA for approval a plan for the certification of DoD employees as applicators of restricted use pesticides. Once this certification plan is approved by EPA, DoD employees certified in accordance with the plan may, without obtaining any additional State certification, use and supervise the application of pesticides, including those designated as restricted use, while engaged in the performance of their official duties.

(2) Implementing Regulations

(a) The Department of Defense: Reference (a)

(b) Department of the Army: Army Regulation 200-1 (Reference (j)).

(c) Department of the Air Force: Air Force Instruction (AFI) 32-1074 (Reference (k)) and AFI 32-1053 (Reference (l)).

(d) Department of the Navy: OPNAV Instruction 6250.4B (Reference (m)).

c. Denying, Suspending, and Revoking Certification: Enforcement. (See section 171.7(b)(1)(iii)(A) of Reference (e).) Situations that may be cause for certificate denial, suspension, or revocation include, but are not limited to:

- (1) Misuse of a pesticide.
- (2) The falsification of any records required to be maintained by the DoD-FIFRA certified applicator.
- (3) Pending investigation of pesticide-related episodes or accidents resulting in human or animal injury or environmental contamination, such as to water supplies, food, and foodstuffs.
- (4) Conviction under any Federal or State pesticide or environmental law.
- (5) Failure to maintain records as required by Federal or State statute or DoD and DoD Component regulations.
- (6) Failure to comply with DoD and DoD Component pest management directives or regulations.
- (7) Failure to use appropriate safety equipment as identified by the pesticide label.
- (8) Inability to perform work in a safe manner due to incompetence, carelessness, or physical or mental deficiency.
- (9) Pending outcome of criminal or civil action. (See paragraphs 1.d.(1) through 1.d.(5) of this enclosure.)

d. Suspension or Revocation of Certification: Legal Authority. (See section 171.7(b)(1)(iii)(B) of Reference (e).)

- (1) Installation commanders shall initiate a formal review if FIFRA violations are suspected. Any DoD-FIFRA certified applicator that violates any FIFRA provision, as amended, or the implementing regulations, will have his or her certificate reviewed for possible suspension or revocation.
- (2) Suspected violations, such as pesticide misuse or recorded falsification, shall be reported through appropriate command channels to the office of the certifying official. The certifying official shall review the suspected violation and determine if further action is required.
- (3) If no action is warranted, the installation commander shall be notified in writing that a review of the suspected violation has been conducted and that it has been determined that a violation of FIFRA has not occurred.

(4) If the certifying official determines that a violation may have occurred, he or she shall initiate action to temporarily suspend the certificate of the applicator(s) and forward the matter to USD(AT&L) for review and final action.

(5) If USD(AT&L) determines that a violation of FIFRA has occurred, he or she shall report information on the case and action taken by the Department of Defense to the EPA Administrator.

e. Right of Entry by Consent or Warrant: Right of Entry. (See section 171.7(b)(1)(iii)(C) of Reference (e).)

(1) DoD certifying officials have the authority to observe actual operations and any other aspect of the program at installation levels.

(2) The Department of Defense will cooperate with appropriate agents or certifying officials (Federal or State) to admit such officials to DoD installations, consistent with national security requirements, to ensure compliance with Federal and State pesticide laws.

(a) Federal or State officials shall contact installation commanders to arrange visits and to ensure that any national security concerns are addressed before the visit.

(b) Federal or State Official requests be accommodated as expeditiously as possible. The installation commander shall designate a point of contact to accompany visiting officials to ensure that they have access to appropriate areas of interest.

f. Legal Requirement: Unlawful Use of Pesticides. (See section 171.7(b)(1)(iii)(D) of Reference (e).)

(1) It is unlawful for DoD employees other than DoD-FIFRA certified applicators or persons working under their direct supervision, as defined in this Volume, to apply pesticides, including those designated as restricted use. Exceptions are the use of repellents for personal protection and the application of ready-to-use household products listed in the DoD Components' "self help" programs.

(2) The DoD applicator or direct supervisor must be certified for the category of pesticide application being undertaken. Contract pesticide applicators shall be certified in State categories commensurate with the work to be performed.

(3) On DoD land and property, direct supervision is not permitted for contractor applicators. Contract specifications shall require that only appropriately State-certified individuals apply pesticides on DoD installations. More information on State certification equivalents is available at: <http://aec.army.mil/usaec/pest/pest05.html>.

g. Record Keeping: Pest Management Reporting Requirements. (See section 171.7(b)(1)(iii)(E) of Reference (e).)

(1) Record keeping and reporting procedures provide management personnel an opportunity to review the pesticide data on operations, to include pesticide names, EPA registration numbers, amounts, methods of application, uses, places (sites), dates, and other pertinent information (such as the target pests).

(2) Each military installation performing pest management operations prepares monthly summaries of all in-house, formally contracted and government-purchase-card-procured pest control conducted anywhere on the installation, to include out-leased land (not including housing privatization initiatives), golf courses, and natural resources.

(a) Such operational records shall be maintained by the installation and/or public works engineer at the installation for no less than 2 years and shall be available through the installation commanding officer to appropriate Federal and State officials upon request.

(b) After 2 years, these records shall be archived for permanent retention.

h. Qualified Personnel to Carry Out the Plan. (See section 171.7(b)(2) of Reference (e).)

(1) The AFPMB and the senior consultants of the DoD Components, including civilian and military pest management consultants, supervisors, and DoD-FIFRA certified applicators, shall provide technical guidance for the DoD Pest Management Program.

(2) For purposes of determining applicable requirements, DoD pest control supervisory and applicator personnel are considered “commercial applicators” as defined in section 2(e)(3) of FIFRA. The Department of Defense does not employ personnel that meet the FIFRA definition of “private applicator.”

i. Funding. (See section 171.7(c) of Reference (e).) The DoD Components shall plan, program, and budget for the DoD Plan in accordance with Reference (a).

j. Training and Certification Reports. (See section 171.7(e) of Reference (e).) The AFPMB shall prepare an annual report on training and certification under the DoD Plan and shall submit the report to the EPA Administrator. See “Information Requirements” in the front matter of this Volume.

k. Certification Categories. See section 171.7(e) of Reference (e).)

(1) The Department of Defense adopts and offers certification in the EPA pest control categories as noted in Table 1 to meet the specific requirements for DoD pesticide use.

(2) DoD Category 11 includes individuals using or supervising the use of aerial application of pesticides to control pests having medical and public health importance or general agricultural, forest, aquatic, or right-of-way application requirements.

Table 1. Pest Control Categories

<u>Pest Control Category</u>	<u>EPA/DoD Category</u>
Forest Pest Control	2
Ornamental and Turf Pest Control	3
Aquatic Pest Control	5
Right-of-Way Pest Control	6
Industrial, Institutional, Structural and Health-Related Pest Control	7
Public Health Pest Control	8
Aerial Application Pest Control	11 <sup>1</sup>
<sup>1</sup> DoD category only.	

(3) The Department of Defense does not train personnel in EPA categories 3(a), “Soil Fumigation Pest Control,” 6(a), “Grassland and Non-Crop Agricultural Land Pest Control,” 7(a), “Stored Product Fumigation Pest Control,” or 10, “Demonstration and Research Pest Control.” Therefore, installation pest management work in these areas will be accomplished by DoD pesticide applicators holding State certification in these areas or by contractors with these areas included on their State certificates.

1. Competency and Certification. (See section 171.7(e)(1)(1)(C and D) of Reference (e).)

(1) Requirements

(a) DoD employees desiring certification in any of the DoD categories must complete a mandatory core training program as well as training in the applicable DoD pest control category(ies), as described in Reference (e) and Appendix 1 of this enclosure.

(b) Written and performance testing will be conducted for the Core phase (general standards) and each category (specific standards) in which training and certification is desired. Satisfactory completion of training courses, written examinations, and demonstration of the ability to perform applicable procedures and/or use appropriate dispersal equipment are the minimum qualifications for certification.

(c) Pest management professionals (PMPs) are not required to undergo formal or apprenticeship training, but shall demonstrate competency by written examinations as outlined in paragraph 2.e.(4), Enclosure 2 of this Volume if certification is required.

(d) The Department of Defense has adopted the standards of competency required under section 171.4 of Reference (e). DoD standards may exceed those stated in sections 171.4(b), (c) and 171.6 of Reference (e) and as indicated in Appendix 1 of this enclosure.

(2) Core Competency Standards. The Department of Defense adopts EPA Core Competency standards in sections 171.4 (a) and (b) of Reference (e). Emphasis is on practical

knowledge of the principles and practices of IPM and safe use of pesticides. Successful passage of the Core exam is a prerequisite for certification in specific categories.

(a) Written Requirements. Proctored closed book written examinations will be required to determine competency in general and applicable specific standards outlined in section 171.4 of Reference (e) and Appendix 1 of this enclosure. For the categories, testing shall be based on examples of problems and situations appropriate to the particular category or subcategory of the applicator's certification and areas of competency outlined in the general and specific standards of competency. Category examinations may include true-false, multiple choice, completion, and problem-type questions and will require a passing score of at least 70 percent.

(b) Performance Requirements. Performance testing shall be conducted for all the categories in which certification is desired. Satisfactory completion of training courses, written examinations, and demonstration of the ability to perform a procedure or use appropriate dispersal equipment are requirements for certification. Upon qualification of an individual, the training center will notify the appropriate certifying official that the individual completed formal training requirements for certification in designated categories, as described in paragraph 2.g. of this enclosure.

m. Procedures for Issuing Certificates of Competency. (See section 171.7(e)(2) of Reference (e).) Personnel successfully completing certification requirements for the Core and one or more of the pest control categories shall be issued an 8 ½" x 11" DD Form 1826, "Pest Control Certificate of Competency," and a wallet-sized DD Form 1826-1, "Pesticide Applicator." (See <http://www.dtic.mil/whs/directives/infomgt/forms/ddforms1500-1999.htm>.) Certificates shall be issued to pest management personnel by the appropriate certifying official. To identify certified personnel, a uniform numbering system shall be used in the issue of certificates (see Appendix 3 of this enclosure).

n. Maintenance of the Plan. (See section 171.8(a) of Reference (e).)

(1) Installation IPM plans shall include provisions to ensure that DoD-FIFRA certified pesticide applicators comply with standards for the use of pesticides and carry out their responsibility to provide adequate supervision of non-certified applicators who are in training. Such plans shall also specify pest control program standards and shall be reviewed and technically approved by pest management consultants annually under Reference (a). All pesticide applications and other pest management functions are periodically reviewed for compliance with the installation's IPM plan. Use of DoD-FIFRA certified pesticide applicators, or State-certified pesticide applicators in the case of contract operations, is a mandatory requirement for each installation.

(2) Every 3 years, DoD-FIFRA certified applicators must attend a DoD pest management recertification training course and take and pass proctored written and performance-based category tests to maintain DoD certification. The certifying official may extend an individual's certification for cause (e.g., illness, family emergency, unscheduled military deployment). For civilian personnel, certification may be extended for a period of not more than 6 months. For military personnel, certification may be extended for a period of not more than 12 months. Only one

extension may be approved for an individual during each certification period. Recertification training is conducted to meet the requirements of changing technology and to assure a continuing level of competency and ability to use pesticides safely and properly.

## 2. DoD PESTICIDE APPLICATOR CERTIFICATION PROGRAM

a. Developmental Training. The Department of Defense provides developmental training for previously untrained and inexperienced personnel who embark on a pesticide application training program not to exceed 2 years. The training program has two different tracks: Track One is for engineering personnel who routinely apply pesticides as part of their day-to-day job; Track Two is for medical personnel who rarely apply pesticides except during contingency operations, most of which are outside the jurisdiction of the United States. Track One has two requirements: apprenticeship and formal training. During the apprenticeship, trainees shall apply pesticides only under the direct supervision of a DoD-FIFRA certified pesticide applicator. Track Two requires formal training only.

### b. Training and Certification Procedures

(1) Apprenticeship Integrated Pest Management Training. Previously untrained and inexperienced engineer personnel shall participate in a 1-year apprenticeship under the supervision of a DoD-certified individual or, if not available, under the guidance of a PMP.

#### (2) Formal Training

(a) Competency Standards. Candidate pesticide applicators shall meet competency standards in core topics and categories through a combination of formal classroom training and interactive distance learning developed and maintained by the DoD Component training centers in compliance with Appendix 4 of this enclosure. Competency shall be determined by:

(1) Performance evaluation(s) conducted in the presence of DoD Component training center instructors.

(2) Proctored written examination(s) as provided for in paragraphs 2.b.(2)(e) through 2.b.(2)(g) of this enclosure.

(b) Training Outside the Continental United States (OCONUS). Formal classroom training may be requested at OCONUS sites under FIFRA jurisdiction when it would be more cost effective to the Department of Defense.

#### (c) Training Center Locations

U.S. Army AMEDD Center and School  
ATTN: MCCS-HPM  
Fort Sam Houston, TX 78234-6142

Navy Environmental and Preventive Medicine Unit Five  
3235 Albacore Alley, Naval Station San Diego  
San Diego, CA 92136

Navy Entomology Center of Excellence  
Naval Air Station, Box 43  
Jacksonville, FL 32212-0043

366 Training Squadron  
727 Missile Road  
Sheppard AFB, TX 76311-2254

910 AG/DOS (Category 11 only)  
3976 King Graves Road  
Youngstown-Warren Regional Airport  
Air Reserve Station, Vienna, OH 44473-0910

(d) Course Content. The Core, which provides basic information common to all DoD-FIFRA certified pesticide applicators, is a prerequisite for all trainees to advance to training in specific standards for the DoD pest control categories. Training centers may group category courses to facilitate training and specialization. They may also address the categories listed in Figure 1 and other pest control categories as separate blocks of instruction if this is more convenient. Appendix 3 of this enclosure provides information and subject areas of the DoD Component training centers course curricula.

(e) Written Examinations. Written examinations for categories, prepared by training centers of the respective DoD Components, will be based upon course content and study materials made available to applicators. The actual number of examination questions for each category shall be directly related to the instructional hours and subject complexity, but three questions per lecture hour (see Appendix 3 of this enclosure) will be the minimum used by all the DoD Component training centers. Separate examinations shall be given for the Core and each category section.

(f) Passing Scores. Passing score for the Core and every category exam is 70 percent. DoD Component training centers shall provide the appropriate certifying official with the individual's written examination test score(s). During the Core phase, the DoD Component training center shall disenroll any individual who scores less than 50 percent on the Core and shall notify the individual's installation level commanding officer, the appropriate certifying official, and the major command pest management consultant that the individual should not be a pesticide applicator.

(g) Re-examination. Individuals who score between 50 and 70 percent on the Core will be allowed to continue with category training and to retake the Core. Personnel with scores between 50 and 70 percent may attempt an immediate re-examination (at the discretion of the course director and the individual's supervisor) or may take up to 90 days to restudy and retake the Core. Re-examination may be administered by the educational center supporting the individual's

installation. A second failure will result in a recommendation by the training center to the command consultant and/or area PMP to remove the individual from pest control duties.

(h) Training From Other Services. DoD Component training centers providing training for personnel from other Services shall forward those results to the respective component certifying official.

(i) Certification. Certification is valid for up to 3 years. The date for determining initial certification is set when initial class room training is complete.

c. Procedures for Recertification

(1) Triennial recertification training and testing is mandatory to maintain DoD certification. This training shall be accomplished through attendance at an approved DoD course. In addition to the training centers in paragraph 2.b.(2)(c) of this enclosure, the Naval Facilities Engineering Command Headquarters, the U.S Army Center for Health Promotion and Preventive Medicine – Europe, and the U.S. Army Center for Health Promotion and Preventive Medicine-Pacific are approved recertification training centers. These courses provide new information to update the knowledge of the students and review safety procedures. They re-evaluate the students' level of competency in pest control through written examinations and on-the-job performance. In addition, medical personnel shall receive performance-based, "hands-on" training and testing on pesticide dispersal equipment provided by an approved DoD Component training center. Since it is the objective of the Department of Defense to maintain a fully trained pest management force, the courses shall be made available to all DoD-FIFRA certified applicators.

(2) Recertification is valid for 3 years from the date of certification issuance. Recertification shall be accomplished by the last day of the month in which the original certificate expires. (For extensions, see paragraph 1.n.(2) of this enclosure.) To be recertified, both engineering and medical personnel must:

(a) Attend a recertification course, either formal classroom or interactive distance learning, that uses a DoD-approved curriculum (see Appendix 2 of this enclosure for examples).

(b) Take and pass a proctored written examination with a score of at least 70 percent on the Core, to include calculations and/or calibration and all category examinations for which recertification is required.

(c) Medical personnel must have "hands-on" refresher training and demonstrate competency using pesticide dispersal equipment.

(3) A DoD employee who fails a recertification examination may be given up to 90 days from the date on which the examination was failed to study appropriate materials. At the end of the study period, the pest management instructor or the installation training officer shall administer a closed-book make-up examination. A second failure will result in the individual not being certified in the category(s) failed. Successful completion of the resident basic training course shall be the only method of obtaining certification in a category failed twice. In either case, failure in the

recertification examination shall be cause for certificate revocation and for recommendation for removal from pest control functions. Documentation of failures shall be forwarded to the command pest management consultant for action.

(4) Personnel attending recertification courses shall only be allowed to test and qualify in those categories for which they already hold initial certification. New category training must be achieved as outlined in paragraphs 2.c.(2) through 2.c.(5) of this enclosure. Additional contact hours may be added at the discretion of the local training sponsor.

d. Procedures for Accelerated Certification

(1) Applies only to DoD civilians. Does not apply to those in a military capacity (e.g., National Guard, Reserves).

(2) An accelerated process for obtaining DoD Certification is available to those individuals holding valid State certification for the categories in which they are seeking DoD employment. Qualified individuals should:

(a) Be able to document a minimum of 1 year of experience in pest control.

(b) Present evidence of prior State certification, valid within the last calendar year, or present documentation verifying previous DoD certification, valid within the previous 5 calendar years.

(c) Not be employed as a DoD pesticide applicator within the past calendar year.

(3) To achieve DoD certification, individuals who qualify for the accelerated program must complete training and core and category examination or re-enter the normal training process at a commensurate level.

(a) Training. Candidates begin with formal and/or informal instruction, including but not limited to workshops, conferences, correspondence courses, apprenticeships, distance learning (including satellite and video tele-training), and training support packages including video-based products, other distributive products, or materials.

(b) Core and Category Examination. Upon successful passage of training, the candidate is permitted up to 90 days to study training materials provided from a Service school before taking and passing the DoD standard examination for pesticide applicators.

e. Procedures for PMP Certification

(1) In accordance with Reference (a), PMPs shall be certified if they:

(a) Work as pest management consultants and make recommendations for the use of pesticides or approve annual pesticide use proposals.

- (b) Approve the aerial application of pesticides on DoD installations.
- (c) Apply pesticides, or directly supervise the application of pesticides.
- (d) Conduct demonstrations on the proper use and techniques of pesticide application or supervise such demonstrations.
- (e) Conduct field research that includes use or supervision of the use of pesticides.

(2) PMPs may obtain core training and certification in specific pest control categories by successfully passing the Core and appropriate category exams following self study of training materials supplied by one of the DoD Component training centers.

(3) PMPs must attend the resident DoD Aerial Spray Course for initial certification in DoD Category 11. For aerial application pest control, PMPs must recertify in residence every other recertification period.

(4) PMPs may forward a letter of request to the appropriate DoD Component certifying official stating the individual's professional experience, formal training, and category and/or categories in which certification is desired. Upon determination of eligibility, the Component's certifying official shall request that the respective DoD Component training center forward study materials to the requesting individual and closed-book examinations for monitoring by the appropriate education Service office.

(5) Individuals must score at least 70 percent to be certified. If an individual does not meet this criterion, he or she must request permission from the DoD Component's certifying official to retake any examination(s) failed and will be given up to 90 days from the date of failure to do so. A second failure shall prevent the individual from being certified in that category without additional formal resident training. The respective Service school shall send examination score(s) and recommendations for certification to the DoD Component certifying official, who will prepare a DD Form 1826 and DD Form 1826-1 and forward them to the requesting individual's commanding officer for signature and presentation.

(6) Recertification is required triennially, either by attendance at a formal course or through correspondence.

(7) The Director, AFPMB, shall certify DoD Component certifying officials who require pesticide applicator certification. Procedures for certification are similar to paragraphs 2.b.(2)(e) through 2.b.(2)(g) of this enclosure, except that requests for certification and test results will be sent to the Director, AFPMB.

f. Certification Documents

(1) DoD certificates shall be issued for specific pest control categories to pesticide applicators who successfully complete the required training (see Appendix 1 of this enclosure).

DoD-certified pest control supervisors may be issued these certificates with a notation of this supervisory status.

(2) See Appendix 3 of this enclosure for procedures for issuing DoD certificates for pesticide applicators.

Appendixes

1. DoD Category Certification Standards
2. Minimum Curriculum Requirements for DoD Certification and Recertification Training
3. Procedures for Issuing DoD Certificates for Pesticide Applicators

APPENDIX 1 TO ENCLOSURE 3

DoD CATEGORY CERTIFICATION STANDARDS

1. GENERAL. The Department of Defense adopts and uses the same designations for EPA pest control categories as described in section 171.3 of Reference (e), and has retained an additional category for aerial application pest control (See Figure 1). DoD employees desiring certification must demonstrate competency in specific standards as described in section 171.4(c) of Reference (e). Additional standards of competency required by the Department of Defense are described in this appendix.

2. CATEGORIES

a. Category 2 -- Forest Pest Control. Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Forest management practices
- (2) Fertilization programs
- (3) Plant biology, physiology, and pathology
- (4) Classification and mode of action of pesticides
- (5) Biology and control of forest pests
- (6) Natural resources utilization

b. Category 3 -- Ornamental and Turf Pest Control. Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Vegetation and turf management practices
- (2) Fertilization programs
- (3) Plant biology and physiology
- (4) Classification and mode of action of herbicides
- (5) Biology and control of ornamental and turf pests and diseases
- (6) Weed control

(7) Natural resources conservation programs

c. Category 5 -- Aquatic Pest Control. (This category excludes applicators engaged in public health related activities; such applicators will be covered in Category 8.) Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Plant biology and physiology
- (2) Identification and control of aquatic weeds
- (3) Classification and mode of action of herbicides
- (4) Natural resources conservation programs

d. Category 6 -- Right-of-Way Pest Control. Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Plant biology and physiology
- (2) Identification and control of weeds
- (3) Classification and mode of action of herbicides
- (4) Natural resources conservation programs

e. Category 7 -- Industrial, Institutional, Structural, and Health-Related Pest Control. Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Biology, identification, and control of common household pests
- (2) Control of vertebrate pests
- (3) Control of wood destroying organisms
- (4) Biology and control of termites
- (5) Biology and control of stored product pests
- (6) Fumigation procedures

f. Category 8 -- Public Health Pest Control. Individuals to be certified in this category must successfully complete the Core. They also must attend a training program and pass a written examination covering, but not limited to:

- (1) Biology, identification, and control of vectors and pests of medical importance
- (2) Identification and handling of venomous animals
- (3) Control of vertebrate disease reservoirs, including rodent control techniques

g. Category 11 -- Aerial Application Pest Control. Individuals certified in this category must successfully complete the Core and appropriate category(ies) training. They also must complete a training program and pass a written examination that covers:

- (1) General principles
- (2) Meteorological, legal, and environmental aspects
- (3) DoD spray systems and aircraft
- (4) Aerial spray math
- (5) Aerial spray maps
- (6) Contingency operations
- (7) Spray system calibration
- (8) Swath characterization
- (9) Pesticides and pesticide safety
- (10) Aerial spray in the military

APPENDIX 2 TO ENCLOSURE 3MINIMUM CURRICULUM REQUIREMENTS FOR DoD CERTIFICATION AND  
RECERTIFICATION TRAININGTable 2. Minimum Curriculum Requirements for Core Certification Training

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. INTRODUCTION TO DoD INTEGRATED PEST MANAGEMENT	0.5
2. LAWS, REGULATIONS, AND REPORTING REQUIREMENTS	5
a. Federal Laws Regulating Pesticide Use	
b. DoD Documents	
c. The Label and Labeling	
d. Records and Reports	
3. PESTICIDE CALCULATIONS	6
4. PESTICIDE SAFETY	9
a. Harmful Effects	
(1) To the Applicator	
(2) To the Environment	
(3) Areas of Special Concern	
(a) Groundwater	
(b) Rare and Endangered Species	
b. Protecting the Applicator	
(1) Programs for the Protection of Pesticide Applicators	
(2) Personal Protective Equipment	
(3) Medical Response to Pesticide Poisoning	
c. Protecting the Environment	
(1) Preventing Spills	
(a) Mixing and Loading	
(b) Pesticide Transportation	
(c) Pesticide Storage	

Table 2. Minimum Curriculum Requirements For Core Certification Training, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
(2) Spill Remediation	
(3) Pesticide Disposal	
(4) Equipment Calibration	
d. The Pest Management Shop	
5. INTRODUCTION TO PESTS	4
6. INTEGRATED PEST MANAGEMENT	9.5
a. Introduction	
b. Non-Chemical Methods	
(1) Cultural Management and Biological Management	
(2) Genetic Management	
(3) Regulatory Management	
(4) Mechanical and Physical Management	
c. Chemical Methods	
(1) Attractants	
(2) Repellents	
(3) Plant Growth Regulators	
(4) Pesticides	
(a) Defining Pesticides	
(b) Modes of Entry	
(c) Families of Pesticides	
(d) Formulations	
(e) Selecting Pesticides and Formulations: Case Studies	
d. Addressing Unsuccessful Pest Management Programs	
(1) Reviewing Non-Chemical Elements of the Program	
(2) Reviewing Selection and Application of Pesticides	
(3) Pesticide Resistance	
e. Integrated Pest Management Case Studies	
7. EQUIPMENT OVERVIEW	1.5

Table 2. Minimum Curriculum Requirements For Core Certification Training, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
8. ADMINISTRATIVE PROCEDURES (REVIEWS, COMPETENCY EXAMS, ETC.)	4.5
	TOTAL HOURS = 40

Table 3. Minimum Curriculum Requirements for Combined Certification Training in EPA/DoD Categories 2, 3, 5, and 6

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. INTRODUCTION TO NON-CHEMICAL INTEGRATED VEGETATION MANAGEMENT	1
2. PLANT BIOLOGY AND PHYSIOLOGY	1
3. PLANT HEALTH MAINTENANCE PROGRAMS: ORNAMENTAL AND TURF	3
4. CLASSIFICATION, USE, AND MODE OF ACTION OF HERBICIDES, FUNGICIDES, AND NEMATICIDES	3
5. HEALTH HAZARDS OF HERBICIDES, FUNGICIDES, AND NEMATICIDES	1
6. DISEASES OF TURF, ORNAMENTALS, TREES; AND NEMATODE MANAGEMENT	3
7. PESTS OF TURF, TREES, AND ORNAMENTALS	3
8. AQUATIC WEEDS: IDENTIFICATION AND MANAGEMENT	1.5
9. NATURAL RESOURCES CONSERVATION PROGRAM	2
10. PESTICIDE USE PROBLEMS	4
11. FOREST PEST MANAGEMENT	0.5
12. VEGETATION MANAGEMENT EQUIPMENT	3

Table 3. Minimum Curriculum Requirements for Combined Certification Training in EPA/DoD Categories 2, 3, 5, and 6, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
13. ADMINISTRATIVE PROCEDURES (REVIEWS, PERFORMANCE TESTING AND WRITTEN EXAM, ETC.)	6.0
	TOTAL HOURS = 32

Table 4. Minimum Curriculum Requirements for Combined Certification Training in EPA/DoD Categories 7 and 8

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. FLEAS	2
2. COCKROACHES	2.5
3. STORED PRODUCTS PESTS	2.5
4. TICKS AND MITES	2
5. FLIES OTHER THAN MOSQUITOES	3
6. MOSQUITOES	4
7. VENOMOUS ANIMALS	1
8. VERTEBRATE PESTS	1.5
9. RODENTS	2
10. EQUIPMENT	12
11. ANTS	1
12. OTHER HOUSEHOLD PESTS	0.5
13. WOOD PRESERVATION	1
14. OTHER WOOD-DESTROYING ORGANISMS	2

Table 4. Minimum Curriculum Requirements for Combined Certification Training in EPA/DoD Categories 7 and 8, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
15. TERMITES	5
16. ADMINISTRATIVE PROCEDURES (REVIEWS, PERFORMANCE TESTING, AND WRITTEN EXAM, ETC.)	6
	TOTAL HOURS= 48
Topics 1-16 are required for Category 7. Only Topics 1-12 and 4 hours administrative time are required for Category 8.	

Table 5. Minimum Curriculum Requirements for DoD Category 11

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. INTRODUCTION	0.5
2. GENERAL PRINCIPLES OF AERIAL SPRAY	3
a. Uses of Aerial Spray	
b. Application Rates	
c. Types	
d. Mechanics	
e. Factors Affecting Droplet Dispersal and Distribution	
(1) Drop Size	
(2) Gravity	
(3) Air Movement	
(4) Evaporation	
3. METEOROLOGY	2
a. Weather Affects on Aircraft	
b. Weather Affects on Pest Behavior	
c. Weather Affects on Spray Droplets	
(1) Air Movements	
(2) Inversions	
(3) Temperature and Humidity	

Table 5. Minimum Curriculum Requirements for DoD Category 11, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
d. Field Techniques	
4. AERIAL SPRAY MATH	4
5. MAPS	4
a. Types	
b. Preparation	
6. FLYING AERIAL SPRAY: A PILOT'S VIEW	1
7. PUBLIC RELATIONS	1
8. SWATH AND DROPLET CHARACTERIZATION	5
a. Deposition Sprays	
b. Space Sprays	
c. Field Exercise	
9. DoD SPRAY SYSTEMS	2
C-130 Modular Aerial Spray System (Mass)	
10. CALIBRATION LAB	2
11. CONTRACTS	1
12. PESTICIDES AND PESTICIDE SAFETY	2
a. Choosing a Pesticide for Aerial Use	
b. Type	
c. Adjuvants	
d. Safety Equipment	
e. Spill Containment and Cleanup	
13. LOGISTICS AND CONTINGENCY OPERATIONS	1.5
14. ENVIRONMENTAL ASPECTS OF AERIAL SPRAY	1
a. Benefits Versus Risks	
b. Minimizing Adverse Impacts	

Table 5. Minimum Curriculum Requirements for DoD Category 11, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
c. Surveillance	
15. LEGAL ASPECTS OF AERIAL SPRAY	1
a. Aerial Spray Laws and Regulations	
b. Validation Procedures	
c. Obtaining Spray Services	
16. Global Information System/Global Positioning System (GIS/GPS) INSTRUCTION	0.5
17. ADMINISTRATIVE DUTIES	3
	TOTAL HOURS= 31

Table 6. Minimum Curriculum Requirements For Core Recertification Training

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. ENVIRONMENTAL PROTECTION, INTEGRATED PEST MANAGEMENT	2
2. PESTICIDE SAFETY	1
3. PESTICIDES	1
4. LAWS, LABELS, AND LABELING	1
5. FORMULATIONS, CALCULATIONS, AND APPLICATIONS	1
6. RECORDS	1
7. EQUIPMENT	1
8. ADMINISTRATIVE PROCEDURES (REVIEWS, COMPETENCY EXAMS, ETC.)	1
	TOTAL HOURS = 9

Table 7. Minimum Curriculum Requirements for Combined Recertification Training in EPA/DoD Categories 2, 3, 5, and 6

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. PLANT AND TURF DISEASES	2
2. INSECT PESTS OF PLANTS	2
3. VEGETATION MANAGEMENT (WEEDS AND AQUATICS)	2
4. SEMINAR/PROBLEMS, DISCUSSION	2
5. ADMINISTRATIVE PROCEDURES (REVIEWS, COMPETENCY EXAMS, ETC.)	1
	TOTAL HOURS = 9

Table 8. Minimum Curriculum Requirements for Combined Recertification Training in EPA/DoD Categories 7 and 8

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. HOUSEHOLD PESTS	1
2. STORED PRODUCTS PESTS	.5
3. TICKS AND MITES	.5
4. MOSQUITOES	1
5. FLIES OTHER THAN MOSQUITOES	.5
6. VENOMOUS ORGANISMS	.5
7. RODENTS	1
8. OTHER VERTEBRATES	1
9. TERMITES	1
10. OTHER WOOD-DESTROYING ORGANISMS	.5
11. WOOD PRESERVATION	.5

Table 8. Minimum Curriculum Requirements for Combined  
Recertification Training in EPA/DoD Categories 7 and 8, continued

<u>TITLE</u>	<u>HOURS REQUIRED</u>
12. ADMINISTRATIVE PROCEDURES (REVIEWS, COMPETENCY EXAMS, ETC.)	1
	TOTAL HOURS = 9
Topics 1-12 are required for Category 7 recertification. Topics 1-8 and 12 are required for Category 8 recertification.	

Table 9. Minimum Curriculum Requirements for Recertification in DoD Category 11

<u>TITLE</u>	<u>HOURS REQUIRED</u>
1. GENERAL PRINCIPLES REVIEW	2
2. METEOROLOGY	1
3. AERIAL SPRAY MATH	4
4. MAPS	4
5. SWATH AND DROPLET CHARACTERIZATION	5
6. DoD SPRAY SYSTEMS	1
7. AERIAL SPRAY PESTICIDES	2
8. LOGISTICS AND CONTINGENCY OPERATIONS	1
9. ENVIRONMENTAL ASPECTS OF AERIAL SPRAY	1
10. LEGAL ASPECTS OF AERIAL SPRAY	1
11. CONTRACTS	1
	TOTAL HOURS = 23

APPENDIX 3 TO ENCLOSURE 3

PROCEDURES FOR ISSUING DoD CERTIFICATES FOR PESTICIDE APPLICATORS

1. Medical personnel who successfully meet all competency standards for the Core and one or more of the pest control categories shall be issued a DD Form 1826 by the appropriate pest management consultant certifying official. Engineering personnel who successfully meet all competency standards for the Core and one or more of the pest control categories, and who successfully complete an apprenticeship, shall be issued a DD Form 1826 by the appropriate pest management consultant certifying official.

2. When an individual has completed initial formal training at one of the DoD Component training centers, the commanding officer of the training center will provide an identification number for the certificate. To uniquely identify certified personnel, a numbering system shall be used in the issuance of either DD Form 1826 or DD Form 1826-1.

a. Certificate numbers shall contain three or four elements, as follows:

(1) A designation consisting of one or two letters of where the individual was originally trained. The designations are as follows:

(a) A – U.S. Army AMEDD Center and School, Fort Sam Houston, TX

(b) AF -- 366 Training Squadron, Sheppard AFB, Wichita Falls, TX

(c) NJ -- Navy Entomology Center of Excellence, Jacksonville, FL

(d) NS -- Navy Environmental and Preventive Medicine Unit Five, San Diego, CA

(e) AA -- 910 AG/DOS, Aerial Spray, Youngstown-Warren Regional Airport, Air Reserve Station, Vienna, OH (aerial application only)

(2) A sequential three-digit number assigned by the initial training center indicating their order of certification.

(3) A two-digit number indicating the calendar year in which initial formal training was received.

(4) A four-digit number indicating the month and calendar year of current recertification. This element is not required on certificates for pesticide applicators during their first 3 years of DoD certification.

b. For instance, the certificate number A-001-77-0179 indicates that the certificate holder was initially certified at the Army school at Fort Sam Houston, TX; was the first person certified by that center in 1977; and was recertified in January 1979.

c. Categories of certification shall be indicated on each certificate. On the DD Form 1826, the pest control certification categories will be listed. On the wallet-sized DD Form 1826-1, invalid categories shall be lined out before issue. Where facilities are available, it is desirable to laminate the DD Form 1826-1 after completion.

d. DD Forms 1826-1 shall be issued bearing the same information as the DD Form 1826. Certified individuals shall carry these cards while in the performance of their duties.

e. Certificate numbers vacated by revocation, resignation, or for any other reasons shall not be reissued.

f. Certificates shall bear the name of the individual without any additional titles, except for supervisors. In situations where it is desirable to identify the certified individual as a pest control inspector, or planner-estimator, a standard recognition form shall be used.

g. Certificates will expire 3 years from the last day of the month in which the certificate is issued. The certifying official may extend an individual's certification for cause (e.g., illness, family emergency, unscheduled military deployment) on a one-time basis per certification period for a period of not more than 6 months. For military personnel, certification may be extended on a one-time basis per certification period only, for a period of not more than 12 months.

h. A current list of certifying officials shall be maintained by the AFPMB.

## GLOSSARY

### PART I. ABBREVIATIONS AND ACRONYMS

ADUSD(ESOH)	Assistant Deputy Under Secretary of Defense for Environment, Safety, and Occupational Health
AFPMB	Armed Forces Pest Management Board
AFI	Air Force Instruction
AGR	Active Guard Reserve
CFR	Code of Federal Regulations
DLA	Defense Logistics Agency
DoDI	Department of Defense Instruction
EPA	Environmental Protection Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
IPM	integrated pest management
OCONUS	outside the continental United States
OPNAV	Office of the Chief of Naval Operations
PMP	pest management professional
U.S.C.	United States Code
USD(AT&L)	Under Secretary of Defense for Acquisition, Technology, and Logistics

### PART II. DEFINITIONS

Unless otherwise noted, the following terms and their definitions are for the purposes of this Volume.

certified pesticide applicator. Any individual who applies pesticides or supervises the use of pesticides, and who has been authorized to do so by successfully completing a training program approved by EPA followed by formal certification by the Department of Defense or a State.

certifying official. A pest management consultant who certifies the competency of DoD pesticide applicators. The senior pest management consultants nominate certifying officials in writing to the Director, AFPMB, for review and approval.

contract applicator. A contract employee, certified by a State, who applies pesticides on DoD installations and property. The contractor shall be required to provide evidence of certification

of applicators in all appropriate pest management categories for which the work is done at the time the contract is let.

direct supervision. Supervision that includes being at the specific location where pesticide application is conducted; providing instruction and control; and maintaining a line-of-sight view of the work performed. Certain circumstances may temporarily remove the line-of-sight view. Under these temporary circumstances, the supervisor shall be responsible for the actions of the pesticide applicators. Direct supervision is only permitted for DoD applicators who are in training; it is not permitted for contractor applicators.

DoD-FIFRA certified pesticide applicator. A DoD military or DoD civilian employee, certified in accordance with this Volume in the category(ies) and who applies pesticides on DoD installations and property.

DoD employee. Federal employees of the Department of Defense, to include title 5 U.S.C. civilians, active duty military members, Active Guard Reserve (AGR) military members, National Guard and Reserves military members while on unit training assemblies, and Federal technicians. This term does not include employees involved in civil works functions of the Army Corps of Engineers, National Guard military members who are not AGR members (i.e., do not perform 180 days of continuous active service), or State civilians for whom the Federal government pays salaries through cooperative agreements.

DoD Pest Management Program. A single, comprehensive program that encompasses all pest management activities of the Department of Defense.

IPM. According to public law (Reference (d)), a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools in a way that minimizes economic, health, and environmental risks.

pesticide. Any substance or mixture of substances, including biological control agents, that may prevent, destroy, repel, or mitigate pests and is specifically labeled for use by the EPA. Also, any substance or mixture of substances used as a plant regulator, defoliant, desiccant, disinfectant, or biocide. The AFPMB does not review or approve disinfectants or biocides.

pest management consultant. A DoD employee PMP who provides technical and management guidance on using IPM to prevent and control pests and disease vectors. The Director, AFPMB, approves some pest management consultants as certifying officials of pesticide applicators.

pests. Arthropods, birds, rodents, nematodes, fungi, bacteria, viruses, algae, snails, marine borers, snakes, weeds, and other organisms (except for human or animal disease-causing organisms) that adversely affect readiness, military operations, or the well-being of personnel and animals; attack or damage real property, supplies, equipment, or vegetation; or are otherwise undesirable.

PMP. A DoD military officer commissioned in the Medical Service or Biomedical Sciences Corps or DoD civilian employee with a college degree in biological, physical, or agricultural

sciences whose current job includes pest management responsibilities. A DoD civilian employee must also meet Office of Personnel Management qualification standards. Based on assignment, some PMPs are pest management consultants.

restricted-use pesticide. A pesticide that the Administrator of the EPA (in accordance with Reference (d)) or a State regulatory agency determines to have the potential to cause unreasonable adverse effects on the environment or human health, when applied in accordance with its directions for use, and therefore requires additional regulatory restrictions.

State. Any one of the 50 United States of America; the District of Columbia; the Commonwealth of Puerto Rico, the Northern Marianas, and the Virgin Islands; and the Territories of Guam and American Samoa.

training. Formal or informal instruction in one or more subject areas of IPM and disease vector control to increase the expertise and measurable competence of PMPs in performance of specific IPM and disease vector control skills. Training methods include workshops, seminars, conferences, symposia, training courses, apprenticeships, interactive models, distance learning (including satellite and video tele-training), correspondence courses, training support packages including video-based products, and other distributive learning products, or materials.