



# Department of Defense DIRECTIVE

NUMBER 5105.33

November 25, 1987

Certified Current as of December 1, 2003

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USD(A)

SUBJECT: Armed Forces Radiobiology Research Institute

- References: (a) DoD Directive 5105.33, subject as above, November 17, 1981 (hereby canceled)
- (b) [DoD Directive 5105.31](#), "Defense Nuclear Agency (DNA)," March 18, 1987
- (c) DoD Instruction 7220.24, "Accounting for Research and Development," September 18, 1969

## 1. REISSUANCE AND PURPOSE

This Directive reissues reference (a) to update and clarify the responsibilities and functions of the Armed Forces Radiobiology Research Institute (AFRRI). It sets forth the organizational relationships and establishes the management and administrative procedures for AFRRI, in accordance with reference (b), and provides for the establishment of a Board of Governors.

## 2. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense (OSD), the Military Departments, the Organization of the Joint Chiefs of Staff, and the Defense Agencies (hereafter referred to collectively as "DoD Components"). The term "Military Services," as used herein, refers to the Army, the Navy, the Air Force, and the Marine Corps.

## 3. POLICY

It is DoD Policy that:

3.1. The AFRRRI is designated a subordinate command of the Defense Nuclear Agency (DNA) established under the authority vested in the Secretary of Defense.

3.2. The AFRRRI shall serve as the principal ionizing radiation radiobiology research laboratory for the Department of Defense and shall support defense research requirements identified by the DoD Components. The AFRRRI may provide services and perform cooperative research with other Federal and civilian agencies and institutions with the approval of the Director, DNA.

3.3. The mission of the AFRRRI shall be to conduct research in the field of radiobiology and related matters essential to the operational and medical support of the Department of Defense and the Military Services.

3.4. For purposes of cognizance by the Under Secretary of Defense for Acquisition (USD(A)), the AFRRRI program shall be considered an integral part of the medical and life sciences research, development, test, and evaluation program.

#### 4. RESPONSIBILITIES

4.1. The Director, Defense Nuclear Agency (DNA), shall:

4.1.1. Manage the AFRRRI, as provided by DoD Directive 5105.31 (reference (b)).

4.1.2. Provide adequate support for the operation and maintenance of the AFRRRI within the limits of resources available to the DNA for such purposes.

4.1.3. Chair the AFRRRI Board of Governors, which shall consist of the Surgeons General of the Army, the Navy, and the Air Force; the Deputy Chiefs of Staff for Operations of the Army, the Navy, and the Air Force, or their designated representatives; and representatives of the USD(A) and the Assistant Secretary of Defense for Health Affairs (ASD(HA)). The Board of Governors shall:

4.1.3.1. Meet at least annually and at the call of the Chair.

4.1.3.2. Invite advisors to these meetings.

4.1.3.3. Make periodic visits to the AFRRRI.

4.1.3.4. Advise the Director, DNA, and the Director, AFRRI, on the AFRRI's performance by doing the following:

4.1.3.4.1. Review the AFRRI research program and scientific findings.

4.1.3.4.2. Provide advice on the long-term direction of the AFRRI's research program.

4.1.3.4.3. Facilitate the communication of Service requirements and the dissemination of AFRRI research findings.

4.1.3.4.4. Review Service nominations for the Director, AFRRI, and provide a prioritized list of nominees to the Director, DNA.

4.2. The Director, Armed Forces Radiobiology Research Institute (AFRRI), shall:

4.2.1. Execute the approved day-to-day research program.

4.2.2. Prepare the AFRRI long-range research program; annual planning, programming, and budgeting system submission; and facilities master plans for approval by the Director, DNA.

4.2.3. Plan, program, and budget for funds to include in the DNA program. This does not prevent the AFRRI's participation in reimbursable activities, subject to the approval by the Director, DNA.

## 5. ORGANIZATION

5.1. The AFRRI shall consist of a Director, a Scientific Director, and a supporting staff.

5.1.1. The Director, AFRRI, shall be a military officer (in grade O-6) who holds an earned doctoral degree in one of the life sciences. The candidates for Director shall be nominated by the Surgeons General of the Army, the Navy, and the Air Force. Each Service shall nominate one individual with the proper background. candidates shall be nominated on the basis of professional qualifications and demonstrated management ability. The Board of Governors shall review the Service nominees and provide a prioritized list of candidates to the Director, DNA, who shall select and appoint the Director, AFRRI. This appointment shall be for a 4-year period.

5.1.2. The Scientific Director shall be a civilian with professional qualifications acceptable to the Board of Governors and the Director, AFRRI.

5.1.3. The professional, technical, and supporting staff shall consist of military and civilian personnel authorized by a Joint Table of Distribution (JTD), developed by the Director, AFRRI, with approval of the Director, DNA, and approved by the Joint Chiefs of Staff (JCS). Insofar as possible, the military members of the staff shall be provided equally by the Military Departments.

5.1.4. The Military Departments shall assign military personnel to the AFRRI in accordance with approved authorizations. Procedures for such assignments shall be as agreed between the Director, DNA, and the individual Military Departments.

5.1.5. The pay, allowances (including subsistence), and permanent change-of-station costs of military personnel assigned to the AFRRI shall be budgeted for and paid by the Military Department concerned. Additionally, these and other costs that are caused by or benefiting the AFRRI, regardless of financing, shall be allocated to the AFRRI in accordance with DoD Instruction 7220.24 (reference (c)) to identify the total cost associated with operating the AFRRI and the share of that total cost allocatable to each of the AFRRI's research projects.

## 6. FUNCTIONS

6.1. Under established DoD policies, the AFRRI shall:

6.1.1. Operate research facilities for the study of radiobiology and ionizing radiation bioeffects, and disseminate the results.

6.1.1.1. The scope of this research shall reflect requirements identified by the DoD Components in support of military operational planning and employment (current and future), and shall give special emphasis to individual and organizational performances under nuclear combat conditions in realistic operational scenarios.

6.1.1.2. The AFRRI program shall consider the present and projected threats, Service operational concepts and weapons, and defense systems developments.

6.1.2. Provide analysis, study, and consultation on the impact of the biological effects of ionizing radiation on the organizational efficiency of the Military Services and their members.

6.1.3. Conduct cooperative research with the Military Medical Departments in those aspects of military operational and medical support considerations related to nuclear weapons effects and the radiobiological hazards of space operations.

6.1.4. Conduct advanced training in the field of radiobiology and the biological effects of nuclear weapons to meet the internal requirements of the AFRRRI, the Military Services, and other DoD Components and organizations.

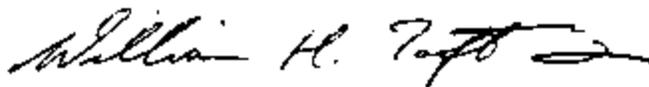
6.1.5. Perform such other functions as may be assigned.

## 7. AUTHORITY

DoD Directive 5105.31 (reference (b)) applies to the Director, DNA, for exercising headquarters management of the AFRRRI and fulfilling the functional responsibilities implicit in this Directive.

## 8. EFFECTIVE DATE AND IMPLEMENTATION

This Directive is effective immediately. Forward two copies of implementing documents to the Under Secretary of Defense for Acquisition within 120 days.



William H. Taft, IV  
Deputy Secretary of Defense