



DEPARTMENT OF THE NAVY

BUREAU OF MEDICINE AND SURGERY

2300 E STREET NW

WASHINGTON DC 20372-5300

IN REPLY REFER TO

BUMEDINST 6470.25

BUMED-M3F7

23 Aug 2004

BUMED INSTRUCTION 6470.25

From: Chief, Bureau of Medicine and Surgery

To: Ships and Stations Having Medical Department Personnel

Subj: NAVY MEDICAL PHYSICS ADVISORY BOARD (NMPAB)

Ref: (a) BUMEDINST 5420.12C (NOTAL)

(b) Mammography Quality Standards Act (MQSA) (<http://www.fda.gov/CDRH/MAMMOGRAPHY/mqsa-act.html>)

(c) Joint Commission on Accreditation of Healthcare Organizations (JCAHO)

(d) Code of Federal Regulations, Title 21 (CFR 21)

(e) BUMEDINST 5420.19

1. Per reference (a), the Navy Medical Physics Advisory Board (NMPAB) is established to evaluate issues related to safe and optimum utilization of ionizing and non-ionizing radiation for diagnostic and therapeutic medical uses.

2. Background. A focused approach is needed to determine personnel qualifications, training requirements and standardized procedures, forms and test equipment necessary to perform radiological system performance evaluations. References (b) through (d) require the implementation of specific medical physics practices. The NMPAB's recommendations will facilitate implementation of the best clinical and business practices necessary to meet these requirements.

3. Scope. In conjunction with reference (e), the NMPAB will serve as a technical advisory board to the Chairman, Naval Diagnostic Imaging and Radiotherapy Board (NAVDIRB) to evaluate and assess technology, coordinate policy development, and implement new technologies. The establishment of the NMPAB provides Navy Medicine with a technically and clinically educated board composed of Navy Radiation Health Officers (RHO) and Radiation Specialists. The board will enhance the growth and readiness of the Radiation Health community by evaluating emerging technology, developing training sessions, revising directives and standardizing the practice of medical physics in the Navy.

4. Policy. The NMPAB will advise the Chairman, NAVDIRB on such subjects as diagnostic x-ray, digital imaging, teleradiology/telemedicine, nuclear medicine and radiation therapy equipment safety and evaluation, testing equipment, training needs and sources, software recommendations, personnel qualifications and compliance with and revision of directives as needed. The NMPAB will provide input and technical expertise to NAVDIRB when requested.

5. Mission and Functions. The NMPAB shall be responsible for providing technical and medical physics support to the Chairman, NAVDIRB. It shall:

23 Aug 2004

- a. Issue, through the Navy Environmental Health Center (NAVENVIRHLTHCEN), the Navy Radiological Systems Performance Evaluation Technical Manual and maintain the manual, issuing revisions as necessary.
- b. Oversee the development and distribution of software for the recording and reporting of radiological systems performance evaluations.
- c. Monitor acceptance testing and quality assurance procedures performed for all diagnostic radiological systems, including teleradiology systems and Digital Imaging Network-Picture Archiving and Communications Systems (PACS). Monitor, when necessary, therapeutic treatment systems.
- d. Monitor Navy compliance with the Mammography Quality Standards Act (MQSA).
- e. Establish training and experience criteria for physicists to achieve and maintain qualified surveyor status.
- f. Ensure qualified physicists conduct radiological systems performance evaluations.
- g. Track necessary data from radiological systems performance evaluations. This data may include, but is not limited to key component testing results, necessary corrective actions, and dates of testing.

6. Membership

a. Voting Members

- (1) Chairman (Chief, BUMED Specialty Leader for Radiation Health/Radiation Specialist community or a senior Radiation Health Specialist appointed by the Specialty Leader)
- (2) Chief, BUMED Specialty Leader for Radiation Health/Radiation Specialist community
- (3) Chief, BUMED Assistant Specialty Leader for Medical Physics
- (4) A senior Radiation Specialist from each Naval Medical Center
- (5) A Radiation Specialist from the Uniformed Services University of the Health Sciences (USUHS)
- (6) The senior Radiation Specialist from NAVENVIRHLTHCEN

b. Non-voting Members. These may include, but are not limited to Radiation Health Officers, Radiation Specialists, Recorder/administrative coordinator (appointed by Chairman, NMPAB).

23 Aug 2004

7. Action

a. Chairman, NMPAB. Convene the NMPAB quarterly or as necessary, to review community needs regarding technological innovations and policy development. The primary meeting will be held in conjunction with the annual Navy Occupational Health and Preventive Medicine Workshop sponsored by the Navy Environmental Health Center and will be open to any workshop attendee. Submit meeting minutes to Chairman, NAVDIRB for comment, and distribute to Radiation Health community. Represent the NMPAB at NAVDIRB meetings.

b. Chairman, NAVDIRB. Responsible to review and comment on NMPAB minutes.



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Available at: <http://navalmedicine.med.navy.mil/default.cfm?seltab=directives>