

Appendix I Medical Requirements (Reprint of Appendix W of CPR 950-20, 1 February 1979)

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Appendix W. Physical Requirements

W-1. General

a. Quality Assurance Specialists (Ammunition Surveillance) are assigned worldwide through a mandatory rotation (1-to 3-year tour of duty), directed placement concept. DA civilian careerists are regularly subjected to the military/troop environment. This type of exposure requires that all careerists meet stringent qualification and physical requirements. The complexity of the commodities handled and exposure to explosives and lethal chemicals place physical and mental demands on the individual unlike those required by most other career fields. Careerists must operate efficiently in protective clothing and breathing apparatus in varied climates and isolated locations. Emotional and mental stability are essential to satisfy requirements associated with chemical surety. Mental alertness and possession and control of natural physical faculties are required to ensure that explosive safety and reliability are not jeopardized. Personnel in this program must be prepared to respond at once to accidents, incidents, or malfunctions and provide necessary expertise immediately upon request under a peacetime or wartime environment, with or without troop involvement.

b. Qualification standards and physical requirements provided for in this appendix are intended to ensure that program needs can be satisfied on a timely basis with technically and physically qualified personnel.

W-2. REGULATORY REQUIREMENTS

Careerists must meet the physical requirements of FPMM Supplement 339-31, S1 Guides for Reviewing Medical Information, and the Personnel Reliability Program requirements of AR 50-6. SF 78 (Certificate of Medical Examination) must be completed as a condition of employment. Criteria to be followed are set forth in paragraph W-3 below.

W-3. PHYSICAL EXAMINATIONS

a. Examination requirements.

(1) Examining physicians will include each of the requirements (1-9) listed in column A of figure W-1 in each preemployment and periodic medical examination. These items will also be included when appropriate in fitness-for-duty examinations (medical examinations scheduled at any time based upon observation of a deficiency in safe and efficient job performance caused by a medical problem).

(2) Medical examination requirements (column A of fig. W-1) for Quality Assurance Specialists (Ammunition Surveillance) are directly related to the functional requirements (column B of figure W-1) and environmental factors (column C of fig. W-1) essential to the duties of these positions. Figure W-1 shows the relationship between the medical requirements and functional and environmental factors.

Note: Functional requirements and environmental factors are taken from Part B of SF 78.

b. Entry or reentry

(1) Persons entering or reentering this career program will be subjected to a preplacement medical examination in accordance with *a* above to determine fitness for worldwide ammunition surveillance duties. This examination will be sufficiently thorough to ensure that candidates exhibit no physical, mental, or emotional impairment that may seriously handicap the performance of their duties and that they are physically fit to wear the required protective equipment.

(2) Any serious deviation from sound physical condition will be grounds for rejection of the applicant. Remedial defects or curable diseases will not exclude a person from employment but proof that such defects have been remedied or the disease cured must be received during the life of the eligible register before persons otherwise qualified may be considered for appointment under US Civil Service Commission regulations.

c. Periodic examinations.

(1) Persons continuing in the program will be subject to the physical examination described in *a* above every 2 years or more frequently if observation shows a deficiency in safe and efficient job performance caused by a medical problem. The periodic examinations will be sufficiently thorough to ensure that the careerist exhibits no physical, mental, or emotional impairment that may seriously handicap the performance of duty.

(2) Any structural or functional limitation or defect which tends to interfere materially with a high degree of physical activity will disqualify. Any physical condition defined in the physical requirement statement will be considered prima facie evidence of failure to meet the physical standards for the position unless the condition is medically correctable and corrective action is taken within a reasonable period of time. In exceptional circumstances, subject to the approval of the Functional Chief representative, ACCMO, and the individual concerned, waiver of physical requirements may be granted. Waivers cannot be granted for positions involving toxic chemical assignments except as permitted under provisions of 5 U.S.C. 3312.

(3) Where physical defects are found and the medical officer has determined that the physical defect(s) are correctible by appropriate treatment(s), recommendation will be made to the careerist to initiate such treatment(s). Failure or refusal by the careerist to take necessary action may be cause for separation from this career program or would make further service incompatible with the physical requirements of the worldwide mandatory rotation plan, appropriate action for removal from the career program/DA will be initiated unless waiver action ((2) above) has been processed.

d. OCONUS requirements

(1) Physical examinations for careerists selected for OCONUS assignments will be performed in accordance with Subchapter S 1. FPM Supplement 339-31.

(2) Each career employee must receive the required immunizations or reimmunizations for overseas assignments.

e. Special medical requirements

(1) In addition to the preemployment, OCONUS, and periodic physical examinations, there are some positions with duties which require preassignment examinations for additional physical requirements and also require continuing evaluation of the employee while they occupy these positions. These are positions involving exposure to explosives and/or toxic chemicals. AR 50-6 specifies the physical and psychological requirements for those duties. When careerists are assigned such duties, physical/medical criteria prescribed in these regulations will be applied.

(2) Assignment to certain duties may also require special preassignment tests as follows:

(a) Since careerists will be exposed to a variety of different chemical agents, explosives, etc., local (servicing) occupational health clinics will determine the need for these additional tests according to the specific job assignment and type of exposure. Assistance may also be obtained from the US Army Environmental Hygiene Agency..

(b) In general, exposures covered by this provision include exposure to explosives such as TNT, tetryl, composition B, and composition C; exposures to chemical agents such as nerve agents or riot control agents; and varied exposures such as to ionizing radiation, solvents and paints.

© Examples of these tests include determining baseline red blood cell and plasma cholinesterase values if the job involves potential exposure to organic-phosphate nerve agents and performing the serum gentamic oxalacetic transaminase (SGOT) and lactic dehydrogenase (LDH) tests (to detect possible liver damage) when careerists are exposed to TNT.

QUALITY ASSURANCE SPECIALIST (AMMUNITION SURVEILLANCE) POSITIONS)

Relationships of Medical Requirements to Functional Requirements of Environmental Factors

A. Medical Examination Requirements (Para 3a(1))	B. Related Functional Requirements (Part B of SF 78)B	C. Related Environmental Factors (Part B of SF 78)
1. General physical examination with emphasis on diagnosing possibly disqualifying cardio-vascular or pulmonary disease and detecting significant abnormalities of visual acuity, hearing, skin, extremities, or joints	1. Heavy lifting, 45# or over 4. Heavy carrying, 45# or over 10. Reaching above shoulder 11. Use of fingers 12. Both hands required 13. Walking (6-8 hrs) 14. Standing (6-8 hrs) 15. Crawling (0-1 hr) 16. Kneeling (0-1 hr) 17. Repeated bending 19. Climbing, use of legs & arms 20. Both legs required 21. Operation of crane, truck, tractor, or motor vehicle 22. Ability to coordinate rapid mental & muscular actions simultaneously 24. Near vision correctable at 13" 27. Far vision correctable in one eye to 20/30 30. Ability to distinguish basic colors 32. No loss of hearing in either ear greater than 30 decibels in the 500, 1,000 or 2,000 CPS frequency range	2. Outside or inside 3. Excessive heat 4. Excessive cold 5. Excessive humidity 6. Excessive dampness/chilling 7. Dry atmospheric conditions 8. Excessive noise, intermittent 10. Dust 12. Fumes 14. Grease 15. Radiant Energy 16. Electrical Energy 17. Slippery or uneven walking surfaces 18. Working around machinery with moving parts 19. Working around moving objects or vehicles 20. Working on ladders or scaffolding 23. Working with hands in water 24. Explosives 26. Working closely with others 27. Working alone 29. a. Working w/paints/thinners b. High altitude c. Wearing respiratory protective devices
2. Urinalysis, including chemical & microscopic exam	-	As above: 12-14, 24, 29
3. Complete blood count, including a differential white blood count (WBC) & hematocrit	-	As above: 12-14, 24, 29
4. Liver function tests, including serum glutamic oxalacetic transaminase (SGOT) & lactic dehydrogenase (LDH)	-	As above: 12-14, 24, 29
5. Electrocardiogram at rest & under increasing physical loads (Masters two-step or equivalent)	As above: 1, 4, 10-17, 19-22	As above: 3, 4, 12, 24, 29c

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QUALITY ASSURANCE SPECIALIST (AMMUNITION SURVEILLANCE) POSITIONS)

Relationships of Medical Requirements to Functional Requirements of Environmental Factors

A. Medical Examinations Requirement (Para 3a(1))	B. Related Functional Requirements (Part B of SF 78)	C. Related Environmental Factors (Part B of SF 78)
6. Pulmonary function test to determine as a minimum the forced vital capacity (FVC) & the one-second forced expiratory volume (FEC-1)	As above: 1, 4, 10-17, 19-22	As above: 10, 12, 29c
7. Chest X-ray (p/a & lateral)	As above: 1, 4, 10	As above: 2-8, 10, 12-13, 24, 29
8. Audiometric exam IAW TB MED 251, Noise & Conservation of hearing	As above: 32	As above: 8, 18-19, 29
9. Determination of near & distant visual acuity	As above: 24, 27, 30	As above: 17-20