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Civil Engineering

QUANTITATIVE FIT TEST PROGRAM

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This instruction implements AFD 32-40, Disaster Preparedness. It applies to military and civilian personnel assigned to the 354th Fighter Wing.

1. References:

- 1.1. AFMAN 32-4006, *Nuclear, Biological and Chemical (NBC) Mask Fit and Liquid Hazard Simulant Training*, 1 October 1999
- 1.2. AFTO 14P4-15-1, *Operation and Maintenance Instructions with Illustrated Parts Breakdown, Chemical-Biological Mask Type MCU-2A/P*, 13 December 1995, Change 5-24 April 1999
- 1.3. AFTO 14P4-15-11, *Technical Manual, Operator and Unit Maintenance Manual for Protection Assessment Test System, M41*, 30 November 1999
- 1.4. Vision Conservation and Readiness Office Letter, *MCU-2/P Fit-Testing*, 14 February 2002
- 1.5. Gas Mask Quantitative Fit-Test (QNFT) Interim Policy, 03 June 2002

2. Purpose: This FWI contains procedural guidance for the Nuclear, Biological and Chemical (NBC) Mask Quantitative Fit-Test (QNFT) Program. The NBC protective mask is a critical force protection asset, as long as the mask properly fits the wearer. The purpose of the NBC Mask QNFT program is to enhance force survivability by training all Eielson personnel on how to achieve the best mask fit possible.

3. Responsibilities:

- 3.1. Unit commanders, directors, and functional managers.
 - 3.1.1. Assign members to mobility position numbers (MPNs).
 - 3.1.2. Ensure members filling primary MPNs receive NBC QNFT.

- 3.1.3. Receive and review all Bioenvironmental Engineering Element (BEE) letters when individuals fail QNFT, make risk assessments and determine whether or not to deploy the individual.
- 3.1.4. Review all medical profiles initiated due to QNFT failure.
- 3.2. Unit Deployment Managers (UDM)
 - 3.2.1. Advise the commander regarding MPN assignments and deployment requirements.
 - 3.2.2. Ensure individuals schedule a QNFT within 30 days of assignment to mobility
 - 3.2.3. Provide BEE and Base Supply, Mobility Bag Section, a current copy of their MPN roster monthly, and when applicable, a list of deploying individuals prior to processing line.
 - 3.2.4. Maintain copies of the QNFT certificates in the individual's mobility folders.
- 3.3. MPN or Deploying Individuals
 - 3.3.1. Complete gas mask training within 30 days of assignment to mobility.
 - 3.3.2. Schedule and complete QNFT, as required, prior to deployment processing line.
 - 3.3.2.1. Re-certify QNFT if gas mask is exchanged
 - 3.3.2.2. Re-validate current mask if they gain/lose 10 percent or more of their body weight.
 - 3.3.2.3. Re-validate current mask if they have undergone dental or facial surgery (i.e. wisdom teeth removed).
 - 3.3.3. Provide UDM with a copy of certification when training is accomplished.
 - 3.3.4. Maintain QNFT certificate in interior pocket of gas mask carrier.
- 3.4. Base Supply: Mobility Bag Section
 - 3.4.1. Issues serviceable masks.
 - 3.4.2. Instruct individuals to schedule a QNFT appointment with BEE upon receiving a gas mask.
 - 3.4.3. Manages a database of masks issued by corresponding bar code.
 - 3.4.4. Maintains a bench stock of spare parts to support the QNFT program. Validates all purchases with Civil Engineering Readiness.
 - 3.4.5. Provides BEE with masks to exchange during QNFT if necessary.
 - 3.4.6. If an individual cannot be fitted into a small MCU-2A/P gas mask Mobility will order or pull from stock an extra small M17 gas mask. Individual will get another fit test with new mask.
 - 3.4.7. Upon PCS of an individual with a M17 gas mask, mobility will notify the gaining base's Mobility Section. Mask will be controlled as personal retention asset according to 23-110 Vol 2 Part 7, Chap 1.
- 3.5. Civil Engineering Readiness
 - 3.5.1. Provides funding and equipment for support of the QNFT program.
 - 3.5.2. Assists BEE with QNFT, when requested and provides data to BEE for all fit testing conducted.
 - 3.5.3. Provides cleaning/inspection cards.

- 3.5.4. Ensures personnel receive QNFT prior to conducting mask confidence training in the chamber.
- 3.6. Bioenvironmental Engineering (BEE)
 - 3.6.1. Performs all QNFT for active-duty members.
 - 3.6.2. Maintains all test results in an approved database.
 - 3.6.3. Reports QNFT status for MPNs and deploying individuals to the Medical Readiness Staff Function quarterly, and informs commanders of MPNs requiring fit-tests on a monthly basis via the consolidated medical report
 - 3.6.4. Reviews all MPN and deployment rosters prior to processing line. Identifies members requiring QNFT, and notifies the UDM.
 - 3.6.5. Provides representative to the deployment processing line. The purpose of the processing line is to ensure the members' fit tests are valid and perform "contingency" fits for those who are not.
 - 3.6.6. Test Administrator
 - 3.6.6.1. Setup and check the M41 as described in AFMAN 32-4006
 - 3.6.6.2. Performs all tests with the individual seated IAW AF Technical Order 14P4-15-11.
 - 3.6.6.3. Provides 2 copies of test results to individual and original to data base administrator.
 - 3.6.6.4. Ensures sufficient replacement parts are available IAW AFMAN 32-4006 at the test site.
 - 3.6.6.5. Fills out all necessary paperwork to exchange mask (when applicable) for individual to pass QNFT.
 - 3.6.6.5.1. Takes paperwork and exchanged mask (if applicable) to Base Supply, Mobility Bag Section, to update issued masks database.
 - 3.6.6.5.2. Reports all failed fit tests to BEE chief prior to notifying individual's commander. See AFMAN 32-4006 for sample letter. Schedules individuals with appropriate medical panel if test failure is believed to be medical related, or schedules individuals with Optometry if test failure is due to corrective eye inserts.
 - 3.6.6.5.3. Reschedules the individual for refitting in six months, or when new inserts arrive
- 3.7. Medical Operations Squadron (or equivalent) commander:
 - 3.7.1. Provides individuals who fail QNFT due to possible medical condition a scheduled appointment.
 - 3.7.2. Medical provider will notify individual's commander of recommendation if medical conditions exist with appropriate profile paperwork.
- 3.8. Optometry:
 - 3.8.1. Ensures individuals assigned to MPNs complete QNFT **PRIOR TO** ordering the MAG-1 inserts.

3.8.2. Orders the Advantage 1000 inserts when BEE indicates the individual successfully passes with the Advantage 1000 frames.

4. Procedures:

4.1. Individuals are notified of assignment to MPN.

4.1.1. Obtain gas mask from Base Supply Mobility Bag Section.

4.1.2. Schedule/complete QNFT, with BEE, within 30 days of assignment.

4.1.3. Schedule medical appointment if necessary.

4.1.4. Order gas mask inserts if necessary.

4.1.5. Maintain copy of QNFT certification in inside pocket of gas mask carrier.

4.1.6. Provide a copy of QNFT certification to UDM.

4.1.7. Maintain gas mask in serviceable condition at all times.

4.2. Gas mask insert wearers.

4.2.1. Schedule/complete QNFT prior to ordering or re-ordering MAG-1 inserts. BEE will note the insert size the individual should order on the QNFT certificate.

4.2.2. In the event the individual cannot successfully complete QNFT with the MAG-1 inserts. BEE will request the unit to purchase the Advantage 1000 inserts and re-test.

4.2.3. In the event the individual cannot successfully complete QNFT; BEE will prepare a letter to the unit commander. The commander determines whether or not to deploy the individual after considering the NBC risk for the particular deployment.

4.3. Deployment Processing

4.3.1. Individuals will hand carry gas masks through the processing line.

4.3.2. BEE will provide a briefing, and ensure members' QNFT is still valid.

4.3.3. BEE will instruct individuals to inspect their masks and annotate their inspection cards.

4.3.4. BEE will provide contingency QNFT if needed.

4.4. Individual Deployments

4.4.1. Individual's UDM notifies MDG Readiness with deployment roster.

4.4.2. Medical Readiness loads all information on deployment spreadsheet.

4.4.3. Individuals schedule/complete QNFT.

4.4.4. BEE updates deployment spreadsheet once QNFT is complete, verification of QNFT already exists, or QNFT is not necessary.

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Commander

Attachment 1

