

December 03, 2003

TO: 540/Recertification Program (RECERT) Manager

FROM: 250/Medical Director/OEMI

SUBJECT: Physical Examination Requirements for Certifying Operators of Lifting Devices and Equipment (LDE), Mobile Aerial Platform (MAP), and Powered Industrial Truck (PIT)

In accordance with NASA-STD-8719.9, Standard for Lifting Devices and Equipment; NPG 8715.3, NASA Safety Manual; NPG 1800.1, NASA Occupational Health Program Procedures; and GPG 8719.1, Certification and Recertification of Lifting Devices and Equipment, and Critical Lift Requirements, all operator candidates of LDE, MAP, and PIT are required to satisfy the physical examination provisions established herein as part of the operator certification requirements. Physical examination is required every three years thereafter for all operator license renewals.

I. Operators of Critical LDE:

A. Vision

Binocular vision – far vision acuity correctable to 20/30 Snellen in each eye. Normal distance depth perception. Normal color discrimination (if color signals are essential to operation). Normal ocular muscle balance for distance. Near vision acuity correctable to 20/30 in each eye. Bifocal correcting lenses are authorized, but larger near vision corrective segments are recommended.

B. Hearing

Hearing loss with or without aid averaged in the frequencies of 250, 500, 1,000, and 2,000 Hz no greater than 30 dB in the better ear.

C. Stress Test

No graded exercise (stress test) unless indicated by clinical status, personal or family medical history.

D. Urinalysis

E. X-ray

Radiologist's report of PA chest X-ray taken prior to any potential exposure.

- F. Strength, Endurance, Etc.
Strength, endurance, agility, coordination, dexterity, and reaction speed consistent with normal, healthy physiology and the task at hand.
 - G. Medical History, Etc.
No history of seizures, emotional instability or physical conditions or defects which could render the employee ineffective or a hazard to oneself, others, or the equipment being operated.
- II. Operators of Noncritical LDE, MAP, and PIT:
- A. Vision
Binocular vision – far vision acuity correctable to 20/30 in the better eye and 20/50 in the other eye. Normal distance depth perception. Normal color discrimination (if color signals are essential to operation). Normal ocular muscle balance for distance. Bifocal correcting lenses are authorized.
 - B. Hearing
Hearing loss with or without aid averaged in the frequencies of 250, 500, 1,000, and 2,000 Hz no greater than 30 dB in the better ear.
 - C. Stress Test
No graded exercise (stress test) unless indicated by clinical status, personal or family medical history.
 - D. Strength, Endurance, Etc.
Strength, endurance, agility, coordination, dexterity, and reaction speed consistent with normal, healthy physiology and the task at hand.
 - E. Medical History, Etc.
No history of seizures, emotional instability or physical conditions or defects which could render the employee ineffective or a hazard to oneself, others, or the equipment being operated.

The above supersedes the Policy Revision for Physical Examination Requirements for Lifting Devices and Equipment Operator Licensing, dated March 5, 1996.

Original signed by

Terrence A. Bidnick, M.D.