



DEPARTMENT OF THE NAVY  
BUREAU OF NAVAL PERSONNEL  
5720 INTEGRITY DRIVE  
MILLINGTON, TN 38055-0000

BUPERSINST 1401.4B CH-1  
PERS-446  
23 Mar 2004

BUPERS INSTRUCTION 1401.4B CHANGE TRANSMITTAL 1

From: Chief of Naval Personnel

Subj: ASTRONAUT CANDIDATE SELECTION PROGRAM

Encl: (1) Revised pages 2 and 3

1. Purpose. To update National Aeronautics and Space Administration's (NASA's) Distant Visual Acuity requirements and procedures for submitting required forms to Naval Operational Medicine Institute (NOMI).

2. Action. Remove pages 2 and 3 and replace with enclosure (1) of this change transmittal.

A handwritten signature in black ink that reads "John W. Townes, III". The signature is written in a cursive style with a large, looped initial "J".

J. W. TOWNES, III  
Rear Admiral, U.S. Navy  
Deputy Chief of Naval Personnel

Distribution:  
SNDL Parts 1 and 2

5. Pilot Astronaut Qualification Requirements. Military applicants for pilot astronaut candidate program must meet the following minimum qualifications:

a. Be a naval aviator on active duty with a minimum of 5 years active commissioned service.

b. Have earned a bachelor's degree from an accredited institution in engineering, biological or physical science, or mathematics. An advanced degree or equivalent experience is desired. Quality of academic preparation is important.

c. Have acquired a minimum of 1,000 hours pilot-in-command time in jet aircraft. Flight test experience is highly desirable.

d. Be able to pass a NASA Class I space flight physical (similar to Navy Class I, Service Group I flight physical) to include the following specific standards:

(1) Distant Visual Acuity. 20/100 or better uncorrected; correctable to 20/20 each eye. (R)

(2) Hearing loss not to exceed

Frequency (HZ)	$\frac{*500}{30}$	$\frac{1000}{25}$	$\frac{2000}{25}$	$\frac{4000}{50}$
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\*International Standards Organization (per-ISO), 1964 Standard.

(3) Blood Pressure. Preponderant systolic not to exceed 140, nor diastolic to exceed 90-Millimeter (MM) mercury (HG), measured in a recumbent position.

e. Applicant height must be between 64 and 76 inches.

6. Mission Specialist Qualification Requirements. Military applicants for mission specialist astronaut candidate program must meet following minimum qualifications:

a. U.S. citizen on active duty with minimum 5 years active commissioned service.

b. Earned a bachelor's degree from an accredited institution in engineering, biological or physical science, or mathematics. Degree must be supplemented by at least 3 years relatable experience. An advanced degree is desired and can be substituted for experience requirement (master's degree: 1 year; Ph.D. degree: 3 years). Quality of academic preparation is important.

c. Able to pass a NASA Class II space flight physical (similar to Navy Class I, Service Group III flight physical) to include the following specific standards:

(1) Distant Visual Acuity. 20/200 or better uncorrected; correctable to 20/20 each eye. (R)

(2) Hearing loss not to exceed

Frequency (HZ) *	$\frac{500}{30}$	$\frac{1000}{25}$	$\frac{2000}{25}$	$\frac{4000}{50}$
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\*International Standards Organization (per-ISO), 1964 Standard PER ISO, 1964 Standard.

(3) Blood Pressure. Preponderant systolic not to exceed 140, nor diastolic to exceed 90 MM HG, measured in a recumbent position.

d. Applicant height must be between 58.5 and 76 inches.

## 7. Application Procedures

a. Selection board convening date will be announced by message. Applications with all enclosures must be submitted in format shown in enclosure (1) and must be received by NAVPERSCOM (PERS-446B) no later than 45 days prior to the published selection board-convening month. (R)

b. Copies of SF-88's, Report of Medical Examination, SF-93's, Report of Medical History; and JSC 465's, Supplemental Medical history; must be forwarded to Naval Operational Medicine Institute (NAVOPMEDINST) ATTN: Code 42, 220 Hovey Road, Pensacola, FL 32508, for review 30 days prior to board convening date.