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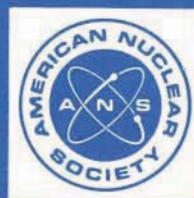
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ANSI/ANS-3.4-1996 (R2002)

**medical certification and monitoring
of personnel requiring operator
licenses for nuclear power plants**

an American National Standard

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Addendum to Foreword

ANSI/ANS-3.4-1996; R2002

*Medical Certification and Monitoring of Personnel Requiring Operator Licenses for
Nuclear Power Plants*

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**American National Standard
for Medical Certification and Monitoring
of Personnel Requiring Operator
Licenses for Nuclear Power Plants**

Secretariat
American Nuclear Society

Prepared by the
**American Nuclear Society
Standards Committee
Working Group ANS-3.4**

Published by the
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555 North Kensington Avenue
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Approved February 7, 1996
by the
American National Standards Institute, Inc.

American National Standard

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Foreword (This Foreword is not a part of American National Standard for Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants, ANSI/ANS-3.4-1996.)

The organization that operates a nuclear power plant has the responsibility for safe and efficient operation of the plant. Inherent in this overall function is the responsibility to select and retain operators and senior operators who are physically and mentally capable of such operations. The selection of operators and senior operators is of great importance since they perform and direct the manipulations of mechanisms and controls that affect the safe operation of the reactor. This standard provides the minimum requirements necessary for an examining physician to determine that the physical condition and general health of the operators is acceptable, in the sense that the operators' condition and health would not themselves cause operational errors.

The major changes made as a result of the revision of this standard are the following:

- In Section 5, 5.3 now includes only those items where specific criteria are given. General disqualifying conditions have been incorporated into 5.4.
- The standard has been made consistent with existing federal regulations, based on technical considerations.
- In Section 3, a passage on temporary restrictions (3.3) has been added.

This standard was developed by Working Group ANS-3.4 of the American Nuclear Society Standards Committee, which had the participation of the following members during the period it prepared and approved the standard:

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D. J. Lange, *U.S. Nuclear Regulatory Commission*
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The American Nuclear Society's Nuclear Power Plant Standards Committee (NUPPSCO) had the following membership at the time of its approval of this standard:

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| | |
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Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants

1. Scope

This standard defines the medical and psychological requirements for licensing of nuclear power plant reactor operators and senior operators. It also addresses the content, extent, and methods of examination.

2. Definitions

conditional license. A license issued with specific conditions to accommodate identified medical or psychological situations that do not meet the minimum requirements of this standard.

disqualifying condition. A medical or psychological condition that precludes approval for nuclear power plant reactor operator or senior operator licensing.

incapacity. The medical or psychological condition that exists when an individual does not meet the minimum requirements of this standard and accommodation is not possible.

licensed operator. An individual licensed under Title 10, "Energy," Code of Federal Regulations, Part 55, "Operators' Licenses" (10 CFR 55) [1]¹, to manipulate the controls of a facility.

licensed senior operator. An individual licensed under 10 CFR 55 [1] to manipulate the controls of a facility and to direct the licensed activities of licensed operators.

licensee. The organization that holds the operating license for the facility.

no solo operation. A license condition under which the operation of controls, or the direction of operation of controls, be carried out with the presence not only of the individual assigned to the task but also another person capable of

summoning assistance. This requirement could exist in any mode of operation, including emergency conditions, and may be in effect in the control room or in another specified control area, such as the refueling console.

shall, should, and may. The word "shall" denotes a requirement; the word "should" denotes a recommendation; and the word "may" denotes permission, neither a requirement nor a recommendation.

3. Health Evaluation Responsibility

3.1 General Aspects. The primary responsibility for ensuring that on-duty personnel are medically and psychologically capable of fulfilling their duties rests with the facility licensee. The requirements in this standard are those necessary to determine that the medical and psychological condition and general health of the individual would not be expected to be contributing factors to operational errors.

The examining physician shall be conversant with this standard and shall have a general understanding of the activities required of a nuclear power plant reactor operator and senior operator.

The examining physician may delegate portions of the examinations to a licensed nurse practitioner or a licensed physician assistant who is also conversant with this standard and who has a general understanding of activities required of a nuclear power plant reactor operator and senior operator. However, the physician has the ultimate responsibility for certifying that the medical examination was conducted in accordance with this standard and that the individual meets the medical requirements of this standard.

3.2 Facility Licensee's Report (FLR). The facility licensee shall forward to the physician a

¹ Numbers in brackets refer to corresponding numbers in Section 7, References.