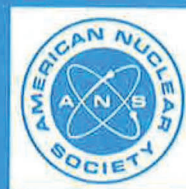


# American National Standard

**WITHDRAWN**

**safety in conducting  
subcritical neutron-multiplication  
measurements in situ**

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published by the  
**American Nuclear Society**  
244 East Ogden Avenue  
Hinsdale, Illinois 60521, USA

**ANS-8.6**  
**ANSI N16.3-1975**  
**Revision of**  
**N16.3-1969**

**American National Standard  
for Safety in Conducting  
Subcritical Neutron-Multiplication  
Measurements In Situ**

**Secretariat**  
**American Nuclear Society**

**Prepared by the**  
**American Nuclear Society**  
**Standards Committee**  
**Subcommittee ANS-8**

**Published by the**  
**American Nuclear Society**  
**244 East Ogden Avenue**  
**Hinsdale, Illinois 60521**

**Approved September 11, 1975**  
**by the**  
**American National Standards Institute, Inc.**

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# Foreword

(This Foreword is not a part of American National Standard for Safety in Conducting Subcritical Neutron-Multiplication Measurements In Situ, N16.3-1975/ANS-8.6.)

Guidance for safe operations with fissile materials under specific conditions encountered in industry has been successfully obtained from observations of the changes in the neutron field arising from alterations in the quantity or arrangement of the fissile materials in process. This Standard prescribes techniques and methods for making such measurements safely in process areas. It was initiated in 1966 and a proposed standard was prepared by the sponsor in 1968. An American National Standards Committee processed and approved the proposal in 1969.

The prescribed five-year review of American National Standard N16.3-1969 was performed by Subcommittee ANS-8 of the Standards Committee of the American Nuclear Society, the originating body. The review was managed by H. C. Paxton, *Los Alamos Scientific Laboratory*.

This revision, which was comprised of the addition of two minor restrictions and the clarification of another, was prepared under the guidance of Subcommittee ANS-8, Fissionable Material Outside Reactors, having the following membership:

- |  |   |
|--|---|
| J. D. McLendon, Chairman, <i>Union Carbide Corporation, Nuclear Division</i> | W. A. Johnson, <i>U.S. Energy Research and Development Administration</i> |
| E. B. Johnson, Secretary, <i>Union Carbide Corporation, Nuclear Division</i> | Norman Ketzlach, <i>U.S. Nuclear Regulatory Commission</i>                |
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| D. M. Dawson, <i>General Electric Company</i>                                | Frank E. Woltz, <i>Goodyear Atomic Corporation</i>                        |

The American National Standard Committee N16, Nuclear Criticality Safety, which reviewed and approved this revision in 1975, had the following membership:

- Dixon Callihan, Chairman  
E. B. Johnson, Secretary

## *Organization Represented*

## *Name of Representative*

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American Nuclear Society .....	Dixon Callihan
American Society for Testing and Materials .....	A. N. Tschaeche
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