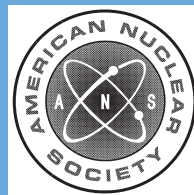


American Nuclear Society

**criteria for nuclear criticality safety
controls in operations where
shielding protects personnel**

an American National Standard



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Validation of Computational Methods for Nuclear
Criticality Safety**

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Working Group ANS-8.11

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Foreword

(This Foreword is not a part of American National Standard for Validation of Computational Methods for Nuclear Criticality Safety, N16.9-1975/ANS-8.11.)

In the absence of experimental results directly applicable to the specification of conditions necessary to the safety of operations with fissile materials, such specifications may be based on the results of calculational analyses provided, of course, confidence in the analyses is ensured. This Standard describes the requirements for the validation of calculational methods. It was developed over a five-year period and was subjected to review by individuals knowledgeable in both the methodology employed and the values of the material properties necessary as input to the calculations. Comments arising in these reviews have been incorporated in this Standard or have been otherwise reconciled.

This Standard was drafted by Working Group ANS-8.11 of Subcommittee 8 of the Standards Committee of the American Nuclear Society. The members of this Work Group were:

G. E. Whitesides, Chairman, <i>Oak Ridge National Laboratory</i>	W. Bradley Lewis, Retired from <i>Phillips Petroleum Company</i>
H. K. Clark, <i>Savannah River Laboratory</i>	D. W. Magnuson, <i>Oak Ridge Gaseous Diffusion Plant</i>
E. C. Crume, <i>Oak Ridge National Laboratory</i>	J. T. Thomas, <i>Oak Ridge National Laboratory</i>
G. E. Hansen, <i>Los Alamos Scientific Laboratory</i>	

Subcommittee 8, Fissionable Materials Outside Reactors, which prepared and approved this Standard, had 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>
F. M. Alcorn, <i>Babcock and Wilcox Company</i>	W. G. Morrison, <i>Allied Chemical Corporation</i>
H. K. Clark, <i>Savannah River Laboratory</i>	David R. Smith, <i>Los Alamos Scientific Laboratory</i>
E. D. Clayton, <i>Battelle Pacific Northwest Laboratories</i>	J. T. Thomas, <i>Oak Ridge National Laboratory</i>
D. M. Dawson, <i>General Electric Company</i>	Frank E. Woltz, <i>Goodyear Atomic Corporation</i>

The American National Standards Committee N16, Nuclear Criticality Safety, which reviewed and approved this Standard in 1974, had the following membership:

Dixon Callihan, Chairman
E. B. Johnson, Secretary

<i>Organization Represented</i>	<i>Name of Representative</i>
American Institute of Chemical Engineers	Alex Perge
American Nuclear Society	Dixon Callihan
American Society for Testing and Materials	A. N. Tschaeche John H. Bystrom (Alt)
Atomic Industrial Forum, Inc.	D. F. Cronin
Health Physics Society	Fred Sanders F. F. Haywood (Alt)
Institute of Nuclear Materials Management	C. Leslie Brown George Wuller (Alt)
U.S. Energy Research and Development Administration	Wade C. McCluggage
U.S. Nuclear Regulatory Commission	R. L. Stevenson
U.S. Public Health Service	Robert Jacobs
Individual Members	E. B. Johnson H. C. Paxton

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