

American National Standard

WITHDRAWN

**guidelines for the documentation of
digital computer programs**

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Guidelines for the Documentation of
Digital Computer Programs**

**Secretariat
American Nuclear Society**

**Prepared by the
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Standards Committee
Subcommittee ANS-10**

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American National Standard

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Foreword

(This Foreword is not a part of American National Standard for Guidelines for the Documentation of Digital Computer Programs, N413-1974.)

This standard presents guidelines for the documentation of engineering and scientific computer programs. Good documentation promotes understanding, reduces duplication of effort, eases conversion to different computer environments and aids modification for extended applications. Good documentation is essential for implementation and effective use of programs obtained from other installations.

Since the intention of this standard is to encourage better communication between the developer and user, it should be regarded as a guide rather than a set of rigid specifications. As a guide, it is sufficiently comprehensive to apply to large-scale programs intended for extensive external use. Not all features of this document are appropriate in all circumstances. For example, programs in the initial experimental stage would not be expected to require as extensive documentation as outlined in this standard. The degree of conformance is a matter of judgment and must be decided for each individual situation by the management of the development effort. In general, as the project complexity increases so does the need for more complete documentation. An organization may have special documentation requirements which supersede or extend these guidelines.

This standard was prepared by the ANS-10 Subcommittee of the American Nuclear Society's Standards Committee. This subcommittee is sponsored by the Mathematics and Computation Division of the Society. The Mathematics and Computation Division has encouraged the development and interchange of digital computer programs. These recommendations are based on experience with computer programs for scientific and engineering calculations in the nuclear industry. This standard is a revision of ANS-STD.2-1967 and supersedes it.

The membership of the ANS-10 Subcommittee at the time of approval was:

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Many other individuals have contributed their knowledge and experience to this effort.

The American National Standards Committee N17, Research Reactors, Reactor Physics, and Radiation Shielding, which reviewed and approved this standard in November, 1973 had the following membership:

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