

September 28, 2000

Mr. Tawfik M. Raby
Chairman, N-17
Building 235, Room A141
National Institute of Standards
and Technology
Gaithersburg, MD 20899

SUBJECT: ANS-10.2 N-17 COMMITTEE BALLOT

Dear Mr. Raby:

By letter dated February 2, 1999, Dr. Seymour H. Weiss voted not approved on ANS-10.2, "Portability of Scientific and Engineering Software," and enclosed comments on the proposed standard. By memorandum dated January 11, 2000, you provided responses to our comments. We have reviewed your responses and based on your responses to our comments, we withdraw our negative ballot and are voting approved with enclosed comments.

If you have any questions concerning this ballot, please contact me at 301-415-1127.

Sincerely,

/RA/

Alexander Adams, Jr., Senior Project Manager
Events Assessment, Generic Communications and
Non-Power Reactors Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Enclosure: As stated

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ACCESSION NO.: ML003751903

TEMPLATE #: NRR-056

*Please see previous concurrence

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NRC Comments on ANS-10.2-1999
Portability of Scientific and Engineering Software

1. Foreword, third paragraph. We suggest the second sentence be rewritten to say "Additional sources of information on software development may be found in numerous books and other software engineering Standards and Guides (e.g., IEEE, ISO and IEC).
2. Section 4.2.9, Assembly Language. Consider changing "out weigh" to "outweigh."
3. Section 4.5.3, Source Documentation. This section contains the following sentence "External documentation here does not mean manuals or handbooks, which should already be part of the program package, but rather text files that are delivered with the source..." However, there is no further discussion on the contents of the program package. Somewhere in the standard, the "Program Package" and its contents should be defined/discussed.
4. Section 4.6.2, System Independence. In response to our general comment number 6, you indicated that additional information would be added to this section of the standard. However, it appears that the additional information was not added. Please address.
5. Section 4.6.3, Storage Allocation. Consider adding commas to the second sentence to read "The use of storage allocation methods, not defined as part of the language(s) being used, should be carefully considered relative to any adverse effect on program portability."

Enclosure