

NOT MEASUREMENT
SENSITIVE

DOE-STD-1095-95
December 1995

DOE STANDARD

DEPARTMENT OF ENERGY LABORATORY ACCREDITATION PROGRAM FOR PERSONNEL DOSIMETRY SYSTEMS



U.S. Department of Energy
Washington, D.C. 20585

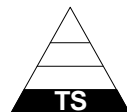
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FOREWORD

1. This Department of Energy standard is approved for use by all DOE Components and contractors.

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data that may improve this document should be sent to the Office of Nuclear Safety Policy and Standards (EH-31), U.S. Department of Energy, Washington, DC 20585, by letter or by using the self-addressed Document Improvement Proposal (DOE F 1300.3) appearing at the end of this document.

3. DOE technical standards, such as this technical standard, do not establish requirements. However, all or part of the provisions in a technical standard can become requirements under the following circumstances;

- (1) they are explicitly stated to be a requirement in a DOE requirements document; or
- (2) the organization makes a commitment to meet a standard in a contract or in a plan or program required by a DOE requirements document.

Throughout this standard, the word "shall" is used to denote actions which must be performed if this standard is to be met. If the provisions in this technical standard are made requirements through one of the two ways discussed above, then the "shall" statements would become requirements.

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1. **SCOPE**

This standard establishes the method for obtaining accreditation of personnel dosimetry systems by the Department of Energy Laboratory Accreditation Program.

2. **PURPOSE**

The purpose of this standard is to provide a consistent methodology for the performance testing, onsite assessment, and accreditation of personnel dosimetry systems.

3. **APPLICABILITY**

This standard is for use by all DOE components and their contractors when seeking accreditation of personnel dosimetry systems used for the assessment of personnel exposure to radiation. For the purposes of accreditation, personnel dosimetry systems currently include only whole body personnel dosimeters.

4. **REFERENCES**

| | |
|------------------|--|
| 10 CFR Part 835 | Occupational Radiation Protection |
| DOE/EH-0026 | Handbook for the Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems |
| DOE/EH-0027 | Department of Energy Standard for the Performance Testing of Personnel Dosimetry Systems |
| ANSI N13.11-1993 | Personnel Dosimetry Performance - Criteria for Testing |

5. **DOELAP ACCREDITATION**

5.1 The Department established and has operated the Laboratory Accreditation Program for personnel dosimetry systems since 1986. The procedures and standards for obtaining accreditation were published as DOE/EH-0026, Handbook for the Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems, December 1986, and DOE/EH-0027, Department of Energy Standard for the Performance Testing of Personnel Dosimetry Systems, December 1986.

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- 5.2 Accreditation of these programs was originally required by DOE Order 5480.11 which incorporated by reference DOE/EH-0026 and DOE/EH-0027. With the replacement of DOE Order 5480.11 by Title 10 Code of Federal Regulations Part 835, no reference to these technical documents remained. This Technical Standard reestablishes the source of technical criteria used in the accreditation of personnel dosimetry systems to be as originally specified above.
- 5.3 In 1995, a working group was established by the Health Physics Society Standards Committee to revise American National Standards Institute Standard N13.11-1993. Upon completion of this revision, it is the Department's intent to evaluate the new standard as the basis for the accreditation program. This Technical Standard will then be revised to reflect these new criteria. Until such time, the DOELAP program will continue to be operated in accordance with DOE/EH-0026 and DOE/EH-0027.

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