



## ASTM International Technical Committee E10 on Nuclear Technology and Applications

Visit the ASTM

Committee E10 Webpage:

[www.astm.org/COMMIT/E10.htm](http://www.astm.org/COMMIT/E10.htm)

JOIN TODAY! [www.astm.org/join](http://www.astm.org/join)

### STAFF MANAGER:

Joe Koury  
ASTM International  
Headquarters  
100 Barr Harbor Drive  
West Conshohocken, PA 19428  
Phone: +1 610.832.9804  
Fax: +1 610.832.9666  
Email: [jkoury@astm.org](mailto:jkoury@astm.org)

**Established:** 1951

**Number of Members:** 240+

**Number of Standards:** 100+

**Global Participation:** 26 Countries represented

**The standards are available in:** *Volume 12.02 in the Annual Book of ASTM Standards*

**Meetings:** E10 meets twice each year, in January and June

### SCOPE:

To promote the advancement of nuclear science and technology and the safe application of energy by:

- 1) Standardizing measurement techniques and specifications for radiation effects and dosimetry including materials response, instrument response, and fuel burnup.
  - 2) Standardizing the nomenclature and definitions used in or relating to testing methods or instruments in support of nuclear industry.
  - 3) Maintaining a broad expertise in application of nuclear science and technology especially the measurement of radiation effects from environments of nuclear reactor, particle accelerators, indigenous space, spacecraft, and radionuclides.
  - 4) Maintaining a broad expertise in the applications of radionuclides.
  - 5) Sponsoring scientific and technical symposia and publications in the Committee's fields of specialization.
  - 6) Performing liaison with related ASTM committees and other technical societies and organizations, both national and international.
- Advising other technical committees of the Society in our field of expertise.

### TECHNICAL SUBCOMMITTEES:

E10.01 Radiation Processing; Dosimetry and Applications

E10.02 Behavior and Use of Nuclear Structural Materials

E10.03 Radiological Protection for Decontamination and Decommissioning of Nuclear Facilities and Components

E10.05 Nuclear Radiation Metrology

E10.07 Radiation Dosimetry for Radiation Effects on Materials and Devices

E10.08 Procedures for Neutron Radiation Damage Simulation

### KEY DOCUMENTS:

- E181 Standard Test Methods for Detector Calibration and Analysis of Radionuclides
- E185 Standard Practice for Design of Surveillance Programs for Light-Water Moderated Nuclear Power Reactor Vessels
- E261 Standard Practice for Determining Neutron Fluence, Fluence Rate, and Spectra by Radioactivation Techniques
- E666 Standard Practice for Calculating Absorbed Dose From Gamma or X Radiation
- E2628 Standard Practice for Dosimetry in Radiation Processing

