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ASTM International Technical Committee E21 on Space Simulation and Applications of Space Technology

SCOPE

The scope of the Committee shall be to promote knowledge, to stimulate research and to develop environment simulation standards concerned with space technology, space systems, contamination control and to apply such technologies for the public benefit.

The areas of interest include standards for the following:

- Simulation of the environment of planetary entry and space.
- Determination of the effects of the space environment on materials.
- Evaluation of contamination sources, measurements, effects, and control.
- Areas of special interest necessary for the accomplishment of these objectives and for the application of space program technology.

ASTM committees such as:

- E12** on Appearance of Materials
- F01** on Electronics
- F07** on Aerospace Industry Method National
- F47** on Commercial Spaceflight

Organizations such as:

- Institute of Environmental Sciences and Technology (IEST)
- SAMPE (Society for the Advancement of Materials & Process Engineering)
- SPIE (The International Society for Optical Engineering)

Governmental Organizations such as:

- DOD (Department of Defense)
- NASA (National Aeronautics and Space Administration)
- ESA (European Space Agency)
- Japan Aerospace Exploration Agency (JAXA)

International Standards Committees such as:

- ISO/ TC 209** on Cleanrooms and Associated Controlled Environments
- ISO/ TC 20** on Aircraft and Spacecraft



QUICK FACTS

Established 1963

Number of Members 50+

Number of Standards 60

The standards are available in Volume 15.03 in the *Annual Book of ASTM Standards*

Meetings E21 meets independently, twice each year



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Learn more about Committee E21

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