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Charting a Course to Energy Independence

Providence, RI
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Setting Standards for Sustainability

ASTM International Committee E60

Dru Meadows
Chair, Committee E60
Founding Principal,
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What is ASTM International?

- Voluntary consensus standards for materials, products, systems and services
- Standards for more than 100 industrial and management sectors
- Proven, practical, vital
- Established in 1898

What is ASTM International?

- Globally relevant, technically excellent
  - Complies with World Trade Organization principles for the development of international standards; Annex 4 of WTO Technical Barriers to Trade Agreement
  - All stakeholders invited
  - Public and private sector cooperation
  - Electronic tools for document development and delivery
  - Standards used in research and development, product testing and quality systems

ASTM International Today

ASTM International Committees, Standards and Members

- **140** Technical committees
- **12,000** Standards
- **30,000+** Members
- **7,800+** International members from 135 countries
- **4,400+** ASTM standards used in 75 countries

'Audited Designator' accreditation: American National Standards Institute

ASTM International and Sustainability

Many ASTM International committees address sustainability: infrastructure/built environment, water, agriculture, energy, products, waste, materials, and toxics (partial list):

- C01 on Cement
- C09 on Concrete and Concrete Aggregates
- C16 on Thermal Insulation
- D02 on Petroleum Products and Lubricants
- D03 on Gaseous Fuels
- D04 on Road and Paving Materials
- D05 on Coal and Coke
- D18 on Soil and Rock
- D19 on Water
- D20 on Plastics
- D22 on Air Quality
- D34 on Waste Management
- E06 on Performance of Buildings
- E35 on Pesticides and Alternative Control Agents
- E44 on Solar, Geothermal and Other Alternative Energy Sources
- E47 on Biological Effects and Environmental Fate
- E48 on Biotechnology
- E50 on Environmental Assessment, Risk Management and Corrective Action
- F40 on Declarable Substances in Materials

Committee E60 Facts and Figures

- Committee Established October 2008
- 500+ Members
- Technical Subcommittees
  - E60.01 Buildings and Construction
  - E60.02 Hospitality
  - E60.80 General Sustainability Standards
- Administrative Subcommittees
  - E60.90 Executive
  - E60.91 Strategic Planning
  - E60.95 Student Liaison and Affairs

ASTM Sustainability Database

www.astm.org/COMMIT/sustain.html

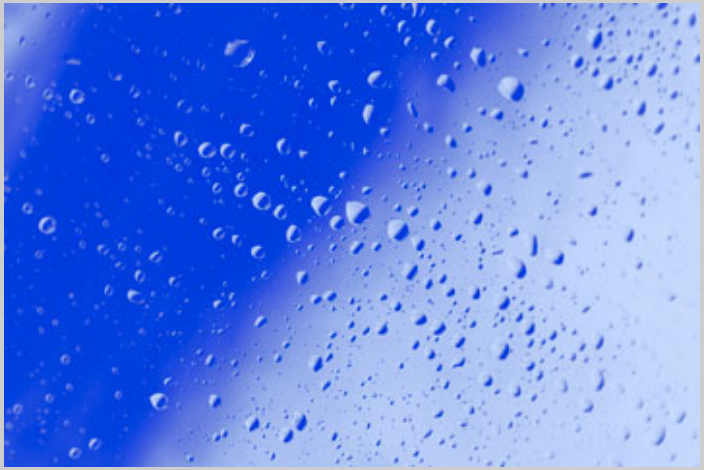
- 500+ ASTM standards
- 300+ standards from other organizations
- Open submission process

Current Sustainability Standards

- Sustainability Standards
  - 10+ published standards for sustainable buildings and construction
  - Key document: ASTM E2432, Standard Guide for General Principles of Sustainability Relative to Buildings
  - Standards for building product sustainability assessment, green roofing systems, water reclamation, environmental life cycle assessment and more

Standards under Development

- Draft Standards
  - 6 draft standards related to sustainability in infrastructure/ buildings
    - Minimum requirements for a building promoting sustainability, assessing rain water quality, water stewardship, marketing and product claims related to sustainable buildings, and more
  - 9 draft standards for sustainability in hospitality
    - Practices for evaluating and selecting hotel and meeting accommodations, other event spaces, food and beverage, and more



Looking Ahead

- E60 Planned Work
  - Topics:
    - Infrastructure
    - Packaging
  - Forum Discussions:
    - Plastic
    - Life Cycle Assessment

Future Meetings

- October 18-19, 2009
  Life Cycle Assessment Workshop
  ASTM October 2009 Committee Week
  Atlanta, Ga.
- October 20-22, 2009
  ASTM October 2009 Committee Week
  Atlanta, Ga.
- October 18-19, 2009
  ASTM April 2010 Committee Week
  St. Louis, Mo.

Thank You

For more information about ASTM Committee E60

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