



ASTM INTERNATIONAL
Helping our world work better

Welcome to Committee Week and the Annual Business Meeting Lunch!

May 14, 2019
Denver, Colorado (USA)

www.astm.org

Committee Anniversaries (bolded present)



2018

- 10th: Forensic Engineering (E58), Sustainability (E60)
- 30th: Search & Rescue (F32)
- 40th: Amusement Rides (F24), Ships & Marine Technology (F25), Solar/Geothermal/Alt. Energy (E44)
- 50th: **Resilient Floor Coverings (F06)**
- 60th: Halogenated Organic Solvents & Fire Extinguishing Agents (D26)
- 70th: Color & Appearance (E12)
- 80th: Nondestructive Testing (E07), Thermal Insulation (C16)
- 90th: Copper & Copper Alloys (B05), **Light Metals & Alloys (B07)**
- 120th: **Steel, Stainless Steel, Related Alloys (A01)**

2019

- 10th: Additive Manufacturing Technologies (F42)
- 30th: Detention & Correctional Facilities (F33)
- 40th: Protective Coating & Lining Work for Power Generation Facilities (D33), Food Service Equipment (F26)
- 50th: Nuclear Fuel Cycle (C26), **Mechanical Testing (E28)**, Particle & Spray Characterization (E29), Aerospace & Aircraft (F07), **Sports Equipment, Playing Surfaces & Facilities (F08)**
- 60th: Building Seals & Sealants (C24), **Electrical Insulating Liquids & Gases (D27)**
- 70th: Chemical-Resistant Nonmetallic Materials (C03), Ceramic Whitewares & Related Products (C21)
- 75th: Metal Powders & Metal Powder Products (B09), Adhesives (D14), **Engine Coolants and Related Fluids (D15)**, Aromatic, Industrial, Specialty & Related Chemicals (D16)
- 110th: Electrical Conductors (B01), Electrical and Electronic Insulating Materials (D09)

Standards Development in 2018



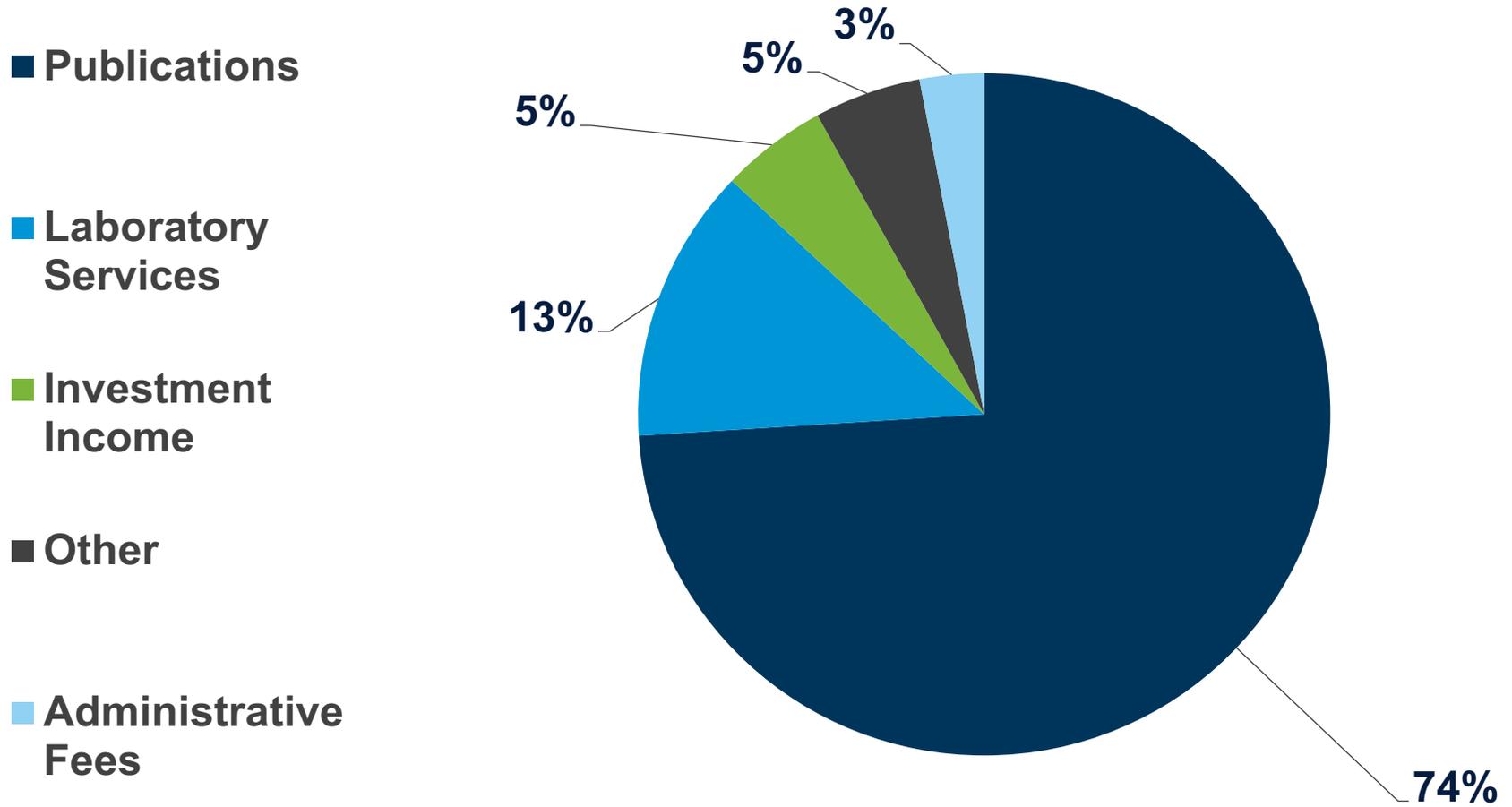
196
New
Standards

957
Standards
Reapproved

1,994
Revised
Standards

12,800+
Active
Standards

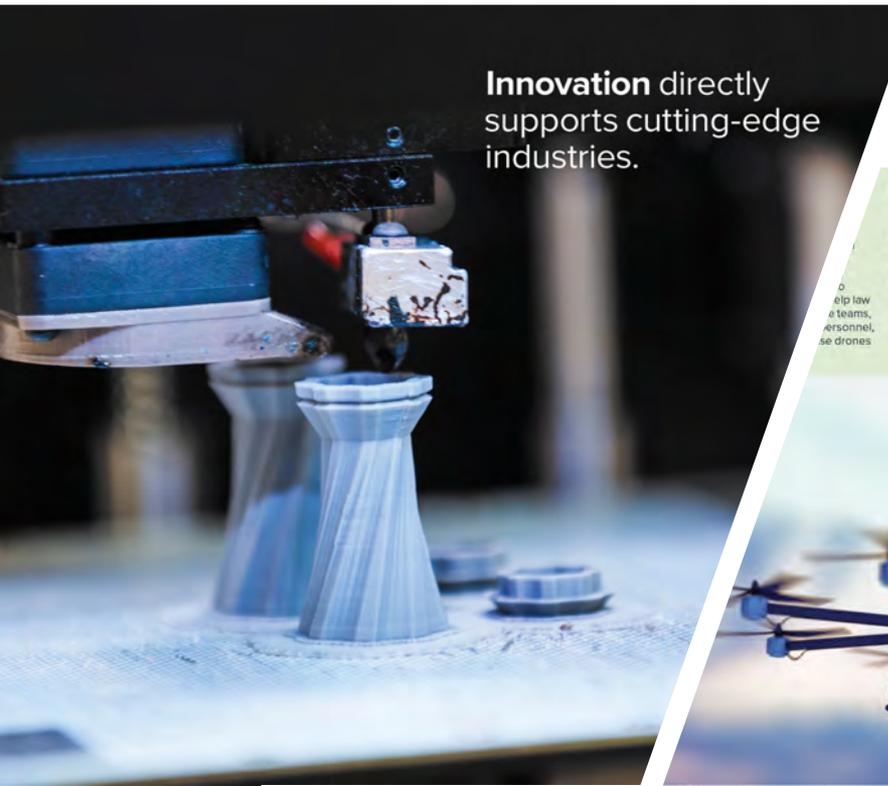
2018 Revenue Sources



Driving Innovation

2018 Annual Report

Innovation directly supports cutting-edge industries.



Drone Parachutes Standard

The committee on unmanned aircraft systems (F38) developed a new standard to meet the need for parachute recovery systems to increase safety when operating small drones over people. The standard provides a path of requirements for testing and validation.

to help law enforcement teams, personnel, and use drones

Praxis Aerospace Partnership Supports Drone Workforce

ASTM International signed a partnership with Praxis Aerospace Concepts International to meet the need to evaluate the growing number of training programs for drone operators, maintenance technicians, instructors, and others in the drone industry.



Bounce House Standard Updated

Members of the amusement rides and devices committee (F24) updated the standard for inflatable "bounce houses." It includes new requirements that support anchoring, reducing tails, and trained supervision.

New Fire Safety Standard for Ride Padding

The committee also created a standard aimed at helping manufacturers enhance the fire safety of padding and other materials for back supports and restraints on amusement rides.

Revised Practice for Auditing Rides

The committee also approved two revisions to a standard for auditing rides aimed at supporting safety. This includes new requirements for inspector qualifications as well as changing the standard from a guide to a practice to provide instruction for specific operations.

Consumer safety demands **innovation**.



Keeping Campers Warm

A standard created by the committee on recreational equipment, playing surfaces, and facilities (F15) helps identify camping mattresses and pads that are warm. The test method measures a mattress's ability to keep the ground's cold from reaching a camper.

Safety of Infant Floor Seats

Members of the consumer products committee (F15) approved a standard that provides requirements and test methods for the performance of infant floor seats. This standard is intended to reduce injuries from falls.

Ice Detection in Small Aircraft

A new standard from the committee on aviation aircraft (F44) aims to enhance the safety of small planes by supporting ice detection. This standard can help notify a pilot during icing conditions.

Revised Footwear Standard

Members of the committee on pedestrian safety and footwear (F12) approved three standards to help testing laboratories and others have greater confidence in product reports by up-to-date test methods and performance data.

New Standard Supports Innovation in Multilayer, Resilient Flooring

A new standard from the committee on floor coverings (F06) provides a cost-effective performance requirements for "multilayer resilient flooring" that is becoming popular for its water resistance and durability.

Cutting-Edge Forensic Science Standards

Members of the committee on forensic sciences (E30) approved two new standards aimed at aiding law enforcement during investigations.

The new facial comparison guide provides a list of features of the face, head, and neck that should be compared when a facial examiner is studying two or more images to determine if the subjects are the same individual.

The standard for forensic audio labs helps organizations that need to create such a space, with recommendations for configuration, verification, and equipment maintenance.

White Paper Encourages Partnership Between Standards and Innovation Communities

ASTM International published a white paper that provides a high level of vision for partnership and interaction between standardization and innovation communities. The paper emphasizes early engagement, roadmapping, and leveraging the strengths of organizations like ASTM International in efforts to drive innovation.

First Four Driverless Automatic Guided Industrial Vehicle Standards

The committee on driverless automatic guided industrial vehicles (F45) approved its first four standards. The standards provide terminology, initial test methods, and practices to help manufacturers measure performance, including specific tasks for vehicles.

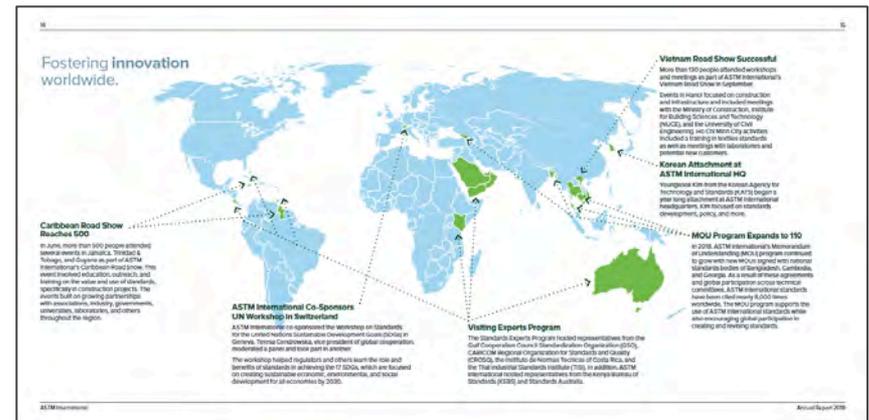


Growing Focus: International Engagement



In Europe and Worldwide

- Successful 2018 board meeting in The Netherlands
- Outreach through Brussels office to governments, members, partners, customers, other stakeholders
- Technical committee meetings held outside the U.S.
- 100 Memorandum of Understanding signatories
 - regional and national standards bodies



ASTM International's 2019 Initiatives



Five Strategic Objectives

- Leadership
- Global Technical Expertise
- Standards and Technical Content Development
- Service Provider
- Organizational Vitality

Announcement:

ASTM International signs
U.N. Declaration for Gender-
Responsive Standards &
Standards Development



1. Leadership



Promote focus on public health and safety, expand leadership position in the standards community and broaden the international use of products and services

- Emphasize global collaboration & leadership
- Focus by region
- Strengthen engagement in Asia
- Link standards to UN Sustainable Development Goals
- Build on relationships with international organizations (World Bank, UN, etc.)
- Centers of Excellence (AM, robotics)
- “Research to Standards”



2. Global Technical Expertise



Attract and retain technical experts from around the world by creating an intellectually and professionally rewarding working environment that meets participant needs and expectations

- Emerging Professionals
- More focus on recruiting, training, onboarding
- Chapter in the Middle East
- Academic outreach to graduate students and universities
- More technical consultants to support key activities



3. Standards and Technical Content Development



Always be relevant and continuously enhance the technical quality of standards and related content by providing a best-in-class, scalable development infrastructure

- MCS 2.0
- My Committees
- Launch Meetings Registration
- Content Development System

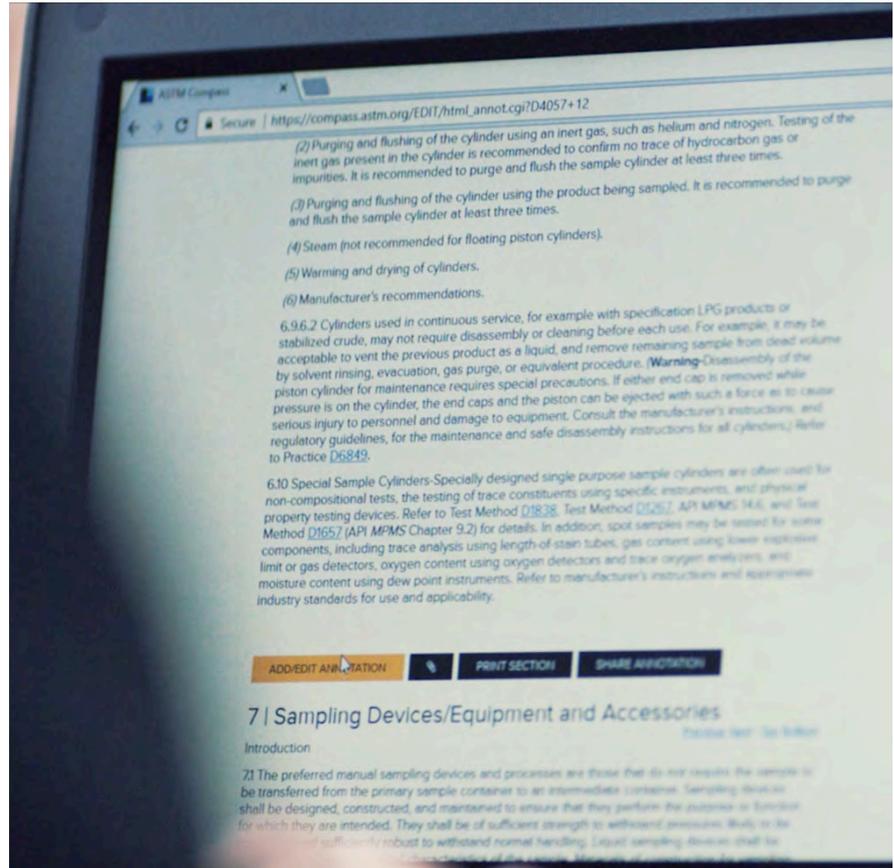


4. Service Provider



Understand global societal needs and service stakeholders through the integration of innovative products and services

- COMPASS enhancements
- Videos in COMPASS
- PDF tools in COMPASS
- 2D/3D simulations and modelling
- Develop certification growth plan
- Evaluate Pro version of SpecBuilder
- Certificate Programs
- Integrated services



5. Organizational Vitality



Provide an organizational culture of service and innovation with the appropriate resources to achieve ASTM's mission—positioned to respond to the changing environment

- Future operating state implementation
- Product development and IT prioritization processes
- Business continuity/infrastructure enhancements
- ASTM culture thumbprint
- Staff Development
- New content-PTP, Training, CCRL
- New Certification Programs







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