





– ASTM is one of the world's largest SDOs, but it's the scale of our involvement and influence that counts for more.

 Complies with the six WTO principles for international standards development: transparency, openness, consensus, relevance, coherence, development dimension
 We work across political, cultural and geographic borders – recognizing expertise, not country of origin. This promotes a massive range of activity and a phenomenal exchange of knowledge.

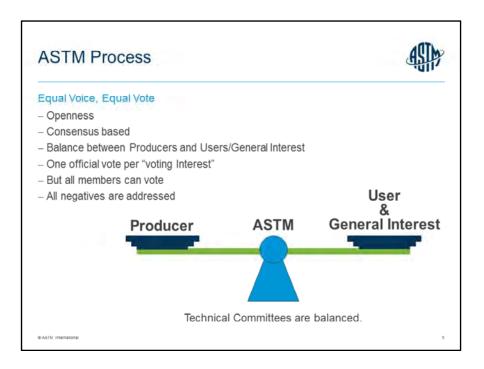
 Trusted and known for market relevance and technical quality, our standards are the choice for many global industries – 49% outside the USA.

 We also believe in the power of standards to inspire and enable people and economies.

Our global outreach activities increase understanding about standards and their application.

 And our Memorandum of Understanding Program provides tangible encouragement to developing economies.

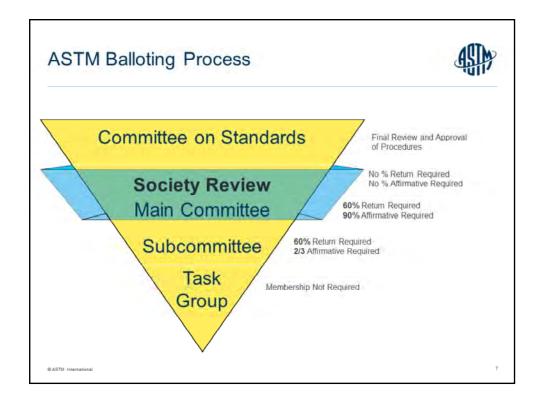
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ASIA	EUROPE	CENTRAL & SOUTH AMERICA	CARIBBEAN	MIDDLE EAST & NORTH AFRICA	EASTERN WESTERN & CENTRAL AFRICA	SOLITHERN AFRIC
BANGLADESH	ALBANIA	BOLIVIA	ANTIGUA AND BARBUDA	AFGHANISTAN	ARSO	ANGOLA
BHUTAN	ARMENIA	CHILE	BAHAMAS	BAHRAIN	BURUNDI	BOTSWANA
BRUNEI	AZERBAUAN	COLOMBIA	BARBADOS	EGYPT	CAMEROON	MALAWI
CAMBODIA	DOSNIA	COSTA RICA	BCLIZE	GGO	COTE dIVOIRE	MAURITIUS
CHINA	BULGARIA	ECUADOR	CROSQ	IRAQ	DEM REP CONGO	NAMIBIA
INDONESIA	CROATIA	EL SALVADOR	DOMINICA	ISRAEL	ETHIOPIA	SEVCHELLES
KOREA	EASC	GUATEMALA	DOMINICAN REPUBLIC	JORDAN	GAMBIA	SADC
LAO	GEORGIA	HONOURAS	GRENADA	KUWAIT	GHANA	SOUTH AFRICA
MALAYSIA	KAZAKHSTAN	NICARAGUA	GUYANA	MOROCCO	KENYA	SWAZILAND
MONGOLIA	KOSOVO	PANAMA	HAIT	OMAN	MOZAMENQUE	ZAMBIA
MYANMAR	MOLDOVA	PARAGUAY	JAMAICA	PALESTINE	NIGERIA	ZIMBABWE
NEPAL	MONTENEGRO	PERU	MONTSERRAT	QATAR	RWANDA	
PAKISTAN	ROMANIA*	URUGUAY	ST. KITTS-NEVIS	SAUDI ARABIA	SIERRA LEONE	
PAPUA NEW GUINEA	RUSSIA		ST LUCIA	TUNISIA	SENEGAL	
PHILIPPINES	SERDIA		ST VINCENT - GRENADINES	TURKEY	TANZANIA.	
SINGAPORE	UKRAINE		SURINAME	U.A.E.	UGANDA.	
SRI LANKA			TRINIDAD & TOBAGO	YEMEN		
TAIWAN		1				
THAILAND						
VIETNAM						



Further distinguishing the ASTM standards development process is its fair and balanced voting process. Simply stated, at ASTM International, all members have an equal vote and equal voice in the development of technical standards. Fairness is further ensured through balanced participation among producers, users and general interest members of an ASTM standards writing committee.

Openness, transparency and a balanced, consensus process are the hallmarks of the ASTM system and have contributed to the quality, integrity and worldwide acceptance of ASTM standards for over 110 years.





Member participation from around the world is what makes ASTM a truly international standards development organization. ASTM opens its doors to all interested individuals and organizations from around the globe that want to participate in the Society's consensus process for standards development. This process ensures that all interested parties have an equal vote in determining a standard's content. ASTM's enduring philosophy of consensus without borders helps make ASTM responsive and relevant to the needs of the global marketplace. As a result, more than 40 percent of ASTM's standards are sold outside the United States.



# ASTM International - Wide Range of Consumer Related Activities



- D01 Paint
- D10 Packaging
- D11 Rubber
- D12 Soaps
- D13 Textiles
- F08 Sports Equipment
- F09 Tires

- F04 Medical Devices
- F11 Vacuum Cleaners
- F14 Fences
- F15 Consumer Products
- F24 on Amusement Rides and Devices
- F27 Snow Skiing

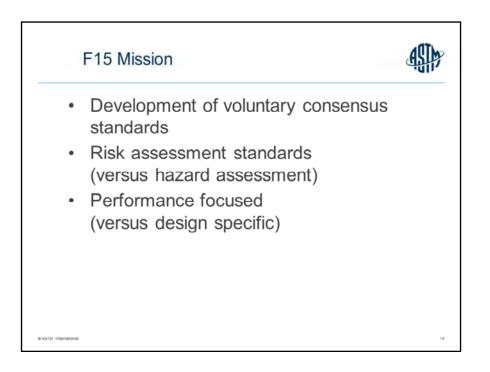
@ASTM International

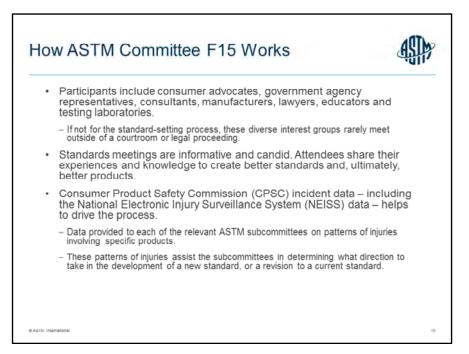




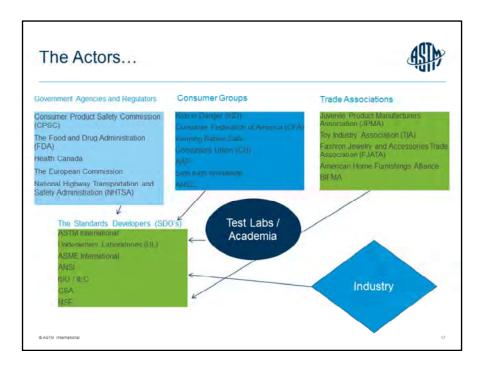
### ASID F15 Subcommittees 02 Lighters 03 Bathtubs 21 Carriers/Swings 22 Toys 06 Air Rifles 24 Children's Jewelry 09 Home Playground 28 Pool Covers 10 Flammable Liquids 29 Public Playground Equip. 11 Bed Rails 30 Bunk Beds 16 High Chairs 31 Plastic Containers 17 Strollers 32 Innersprings 18 Cribs 33 Plastic Furniture 19 Infant Bedding 36 Soft Contained Play 20 Bath Seats 37 Drawstrings @ASTM International













- Building on the work of our founders in the early rail industry ASTM's standards ensure safety, quality and reliability.
- But progress never stops. We're constantly responding to new challenges, new technology and new markets – by developing new standards and enhancing established ones.
- We base our rigorous development process on voluntary consensus. This gives everyone an opportunity to participate in creating and defining a standard.
- It also ensures that our standards are effective and relevant across the diverse markets we serve.
- Our standards help everyone: consumers, businesses, manufacturers, innovators and governments.
- They underpin contracts, laws and regulations. They support established and emerging economies and ultimately free and fair global trade.

# Standardization & Its Role in Consumer Protection



- Consumer product safety standards are the most effective method to improve product safety and reduce injuries.
- Improved safety standards affect all products in a given category, not just those made by one manufacturer.
- Standards have a greater impact than recalls since eliminating the unsafe product before it is produced is most effective in improving product safety.
- Good regulations are developed in a transparent manner, with input from all affected stakeholders.
- US Congress recognizes this extraordinary effectiveness and requires that the Consumer Product Safety Commission (CPSC) rely on voluntary/consensus standards.

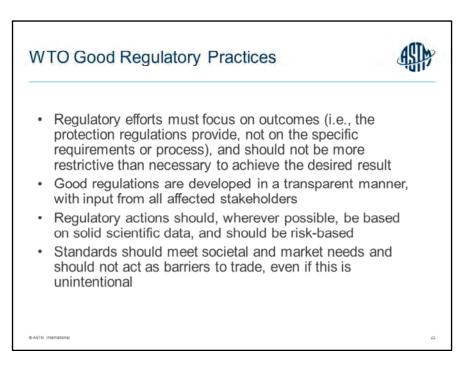
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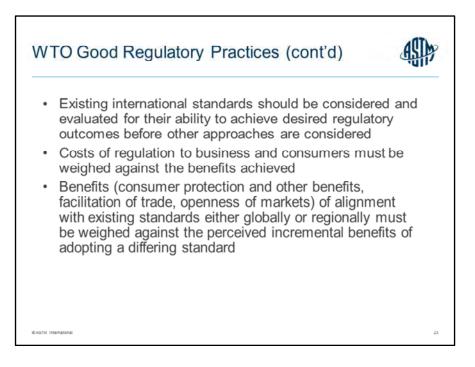
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# The Consumer Product Safety Improvement Act of 2008 (CPSIA)

ASIA

- Passed in response to high-profile product recalls in 2007 & 2008
- Lead paint in children's toys
- Powerful magnets falling out of toys
- Dangerous cribs and infant sleep environments
- Major Provisions:
  - Create a publically searchable Web-based database of reports of injury, illness or death (or risk of)
- Mandated that CPSC issue mandatory standards for durable infant nursery products
- Set new, stringent limits on lead in the paint of consumer products and on the substrate of children's products
- Required third-party testing and certification on certain children's products
- Authorized more direct engagement with foreign partners
- Prohibits the sale of recalled products
- Requires Tracking Labels on Children's Products
- Significantly increases civil penalties and enhanced criminal penalty provisions

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# ASTM F963 Facts

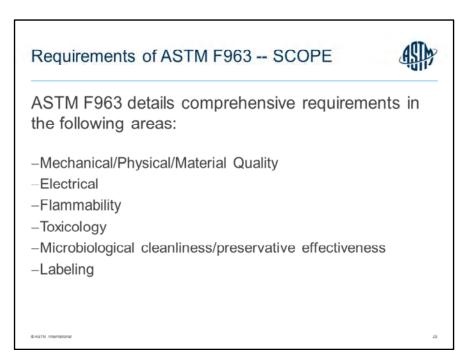


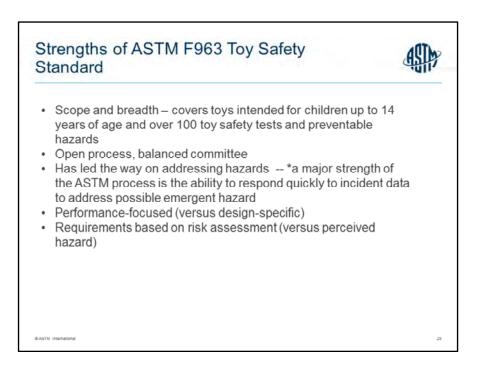
- Against a backdrop of minimal US federal regulation of toy safety, the US toy
  industry created the first comprehensive voluntary safety standard in the 1970s.
- The successor to this standard is ASTM F963, published by ASTM International and administered as a consensus standard
- ASTM F963 is frequently revised to address emerging hazards; A major strength
  of the ASTM process is the ability to respond quickly to incident data indicating a
  possible emergent hazard
- ASTM F963 has historically led the way on addressing hazards, subsequently sharing this information with CEN and ISO-examples where this has occurred are magnets,
- hemispherical shape impaction hazards, jaw entrapment, and cup-
- shaped toys



US CPSC Chairman awarded the ASTM F15.22 the prestigious Safety Commendation in 2013

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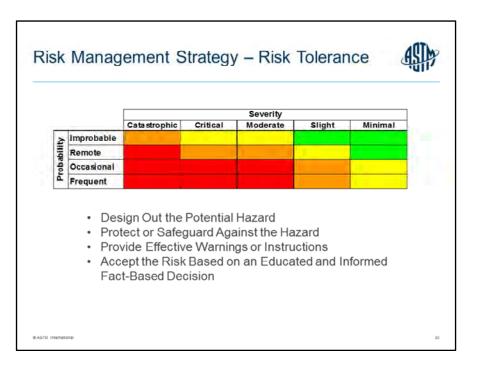


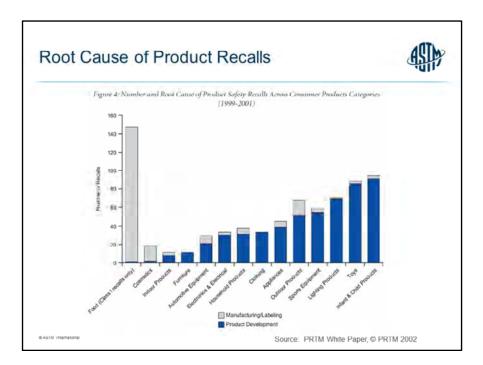


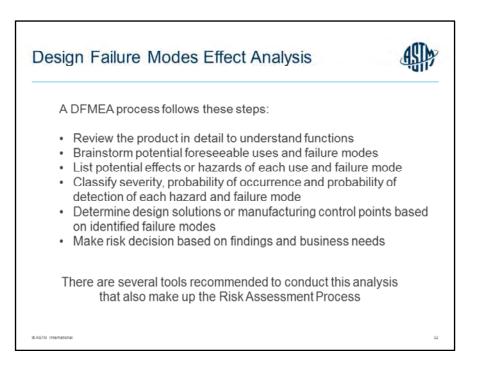
# \*\*The ASTM Toy Safety Standard -- adopted and emulated by other countries and regions of the World.

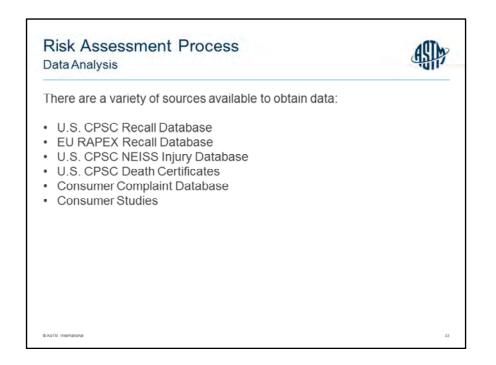
## Some of the Strengths :

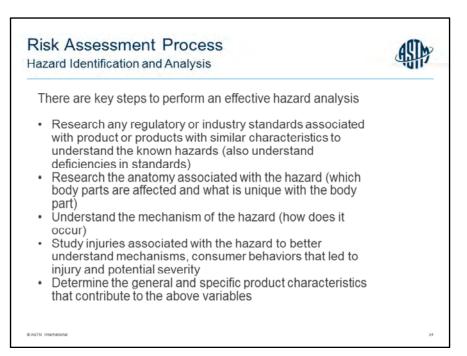
- 1. Its Scope and Breadth toys intended for children up to 14 years of age and over 100 toy safety tests and preventable hazards including requirements for --- small parts and sharp edges ---- other ingestion and impaction hazards ---- material content, cleanliness and quality ----- flammability, projectiles, and others
- 2. Its Open process, and **balanced** committee, which contribute to the resources of input, transparency and credibility of the standard.
- 3. Historically, the ASTM standard has led the way on <u>addressing emerging hazards</u> -- \*<u>A</u> <u>major strength of the ASTM process is the ability to respond quickly to incident data to</u> <u>address possible emergent hazards</u>
  - \* AND THEN SHARES this info with its counterparts, such as in other standards bodies – such as CEN and ISO (European ISO standards)
  - \*\*\* THIS IS CONSISTENT WITH THE INDUSTRY'S COMMITMENT TO CONTINUALLY REVIEW AND REVISE STANDARDS TO KEEP PAVE WITH INNOVATION IN TOYS – AND TO ALIGN STANDARDS WHEREVER POSSIBLE.
  - \* Some recent examples of emerging issues identified and addressed within ASTM magnets in toys, hemispherical and spherical-shaped impaction hazards, jaw entrapment, cup-shaped toys, etc.)
- 4. US CONGRESS RECOGNIZED THE EFFICACY OF ASTM F963 by making it a mandatory US federal standard as part of Consumer Product Safety Improvement Act of 2008













 It's vital that ASTM stay relevant and fully aligned to user needs. All standards are reviewed every 5 years, but, in fast-moving sectors, it's more frequent than that.

- We also work hard to constantly improve our own working methods.

- Our standards development process is flexible, transparent and built on consensus.

- It's backed by powerful tools and technologies that enhance global connectivity.

- These systems give members the freedom to be in instant contact, to share thinking and to review and develop standards more quickly.

- This reinforces our reputation for timely as well as relevant standards.

