

NIST

Global Standards Information



Standards Development: *The View from the Inside*

Benefits of being involved, for

NARA

You

- Leadership skills
- Career development
- Connect with your public and industry

Standards
development
is not for
sissies!



Standards are integrated into Regulation

10,000+ citations to standards in the Code of Federal Regulations, 500+ standards developers (SDOs), including:

ASTM International

NFPA

AOAC International

IAPMO

ASME

API

SAE International

American Nuclear Society

ISO

Tea Association

Tire & Rim Assn.

Almond Board of California

Standards Development is a Business

SDO	Scope	Standards	Technical Committees	Subcommittees/ Working Groups	Volunteer Members	Revenue
IEEE	900 Standards, 400 in development	900 Standards, 400 in development	100	700 committees	397,000	\$33 million (2009 annual report)
ASTM Interntl.	Standards on characteristics and performance of materials, products, systems & services	12,160 standards	140	1,800	30,000	\$33 million (2009 annual report)
ISO	Standards for all disciplines except electrotechnical and telecommunications	18,083 standards	210	3238 technical bodies	162 member countries	\$30 million (2009 annual report)

Standards Development Landscape

- Hierarchical
- The committee may be small – perhaps 10 people, or if it is a controversial topic there could be fifty or more people participating
- The committee will have a chairperson and perhaps a secretary responsible for managing the committee's paperflow

ASTM International Organization Chart

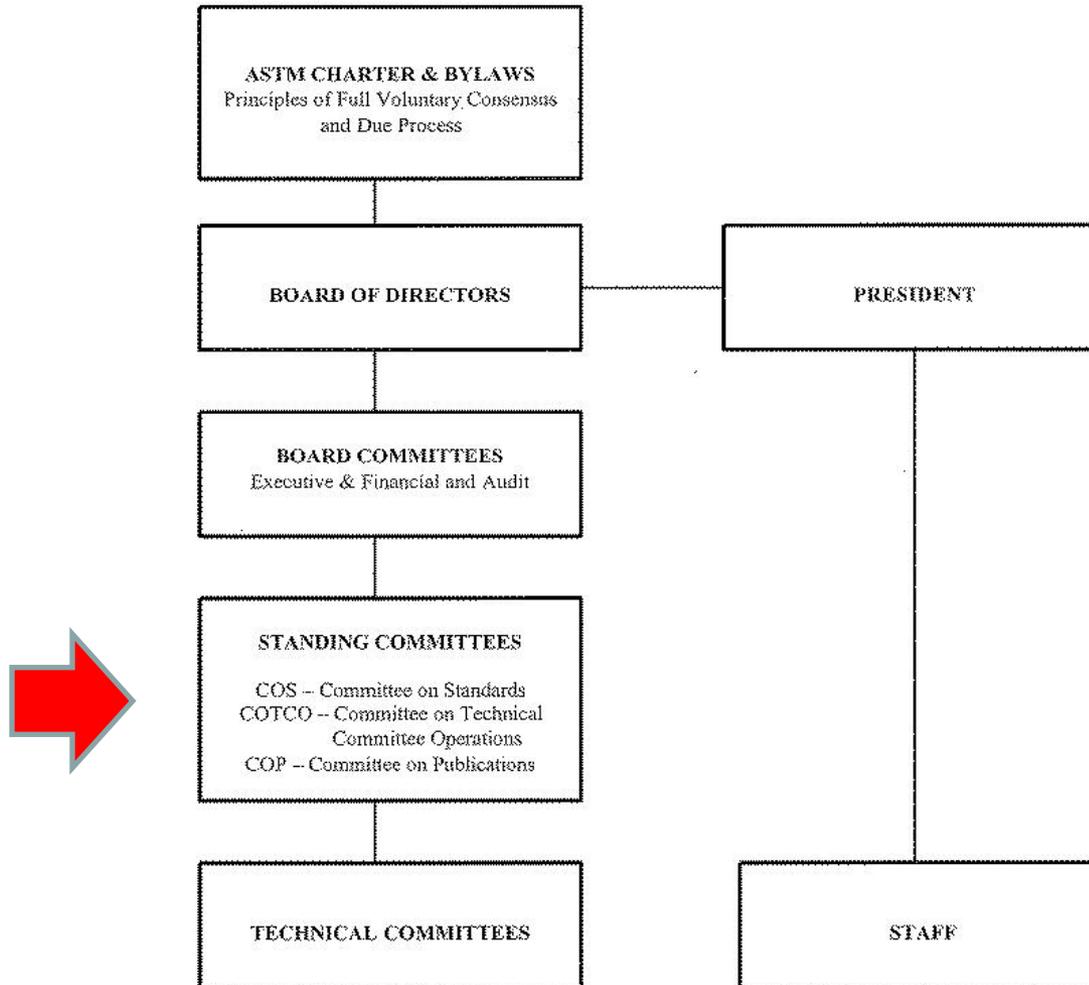


FIGURE 1. ASTM Organizational Structure

ASTM's Committee D14 Adhesives

[D14.03](#) Research

[D14.04](#) Terminology

[D14.10](#) Working Properties

[D14.30](#) Wood Adhesives

[D14.40](#) Adhesives for Plastics

[D14.50](#) **Hot Melts, Pressure Sensitives, and
Archival Adhesives**

[D14.60](#) Adhesive Material Classification System

[D14.70](#) Construction Adhesives

[D14.80](#) Metal Bonding Adhesives

[D14.90](#) Executive

[D14.91](#) Long Range Planning

[D14.99](#) ISO Activities

ASTM Committee D06 Paper and Paper Products

D06.90 Executive

D06.92 Standard Documents Relating to Paper and Paper
Products

Snapshot of the standards setting environment

- Technically oriented social activity
 - Long-term commitment – often spanning three to five years
 - The system is open
 - The activity is voluntary
 - Diversity of interests
- 
- A blue decorative shape, resembling a stylized wave or a curved arrow, is located in the bottom right corner of the slide.

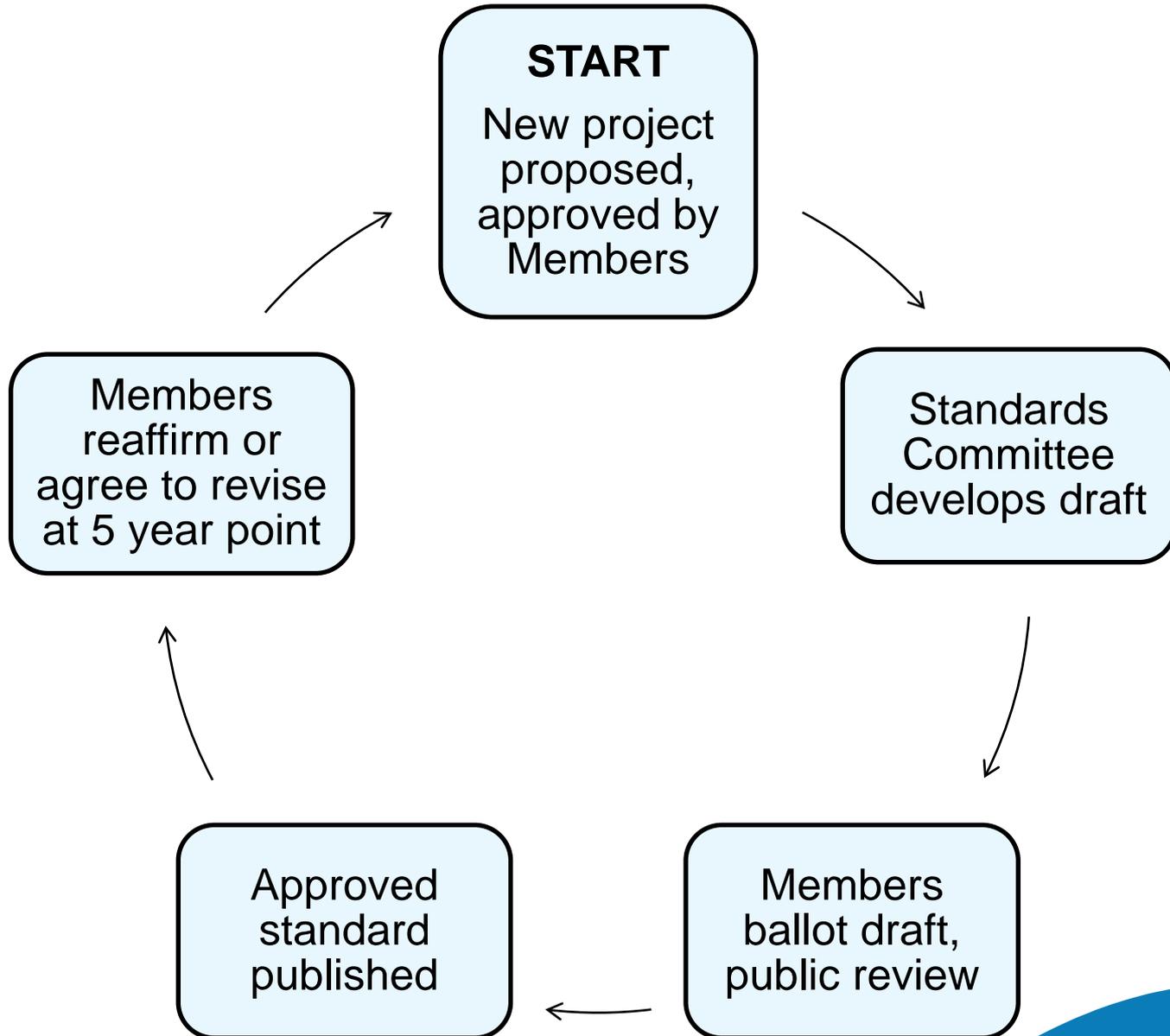
Basic Tools that Support the Process

- Operating procedures
- Style manual
- The work and communications will be largely online
 - Tools will be available to help your committee do its work: templates, training resources, etc.

Committee Leadership

- Chair of the Subcommittee (standards writing group)
- Committee vice-chair
- Secretary
- Staff liaison

Standards development life cycle



Getting started

- Developing a
 - new standard
 - revising existing standard
- To join a standards committee: contact the staff manager supporting the committee.
- To find out about new work being launched
 - ANSI's Standards Action

ANSI - WEB PINS FORM

<< PREVIOUS REQUEST

PRINT REQUEST

FINISH

NOTE: A record of this submittal must be retained as documentation

ANSI - WEB PINS FORM : STANDARDS ACTION F

*NOTE: Adoptions of ISO or IEC standards require compliance with ANSI

Accredited Standards Developer Inform

First Name	Last Name	Organization
Edward	Wirtschoreck	International Code C
Address	City	
4051 West Flossmoor Road	Country Club Hills	
E-Mail	Phone	
ewirtschoreck@iccsafe.org	708 799-2300	
PINS Standard Action Request Form		
Complete the form below for each Standards Action Request. Hit ADD REQUEST to add each a		
Designation of Proposed Standard	Title of Standard	

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American National Standards

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American National Standards

Call for comment on proposals listed

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (EXSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/IS AE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

Getting down to business

- First step: Define the scope of work
- Heavy lifting: Drafting cycles
- Demonstrating consensus: Balloting and Public Review
- Achieving consensus: Responding to comments, negative votes
- Publication

What is “Consensus”?

- ANSI Essential Requirements
 - a majority of the consensus body cast a vote (counting abstentions) and at least two-thirds of those voting approve (not counting abstentions).
- SDOs may propose an alternate methodology for determining consensus

But, what's really going on around the table?

Brainstorming

Collaborative authoring

Competitive collaboration

Compromising

Consensus building

Data gathering/fact finding

Disagreeing

Editing

Environmental scanning

Information sharing/transfer

Modeling

Negotiation

Planning

Problem defining

Problem solving

Proposal developing

Requirements clarification

Requirements setting

Resolving conflicts

Socializing

Strategizing

Visioning

Writing

Getting your voice heard

- Collaborate - Build alliances with other committee members
- Bring the facts to the table
- Demonstrate your expertise
- Be persistent, but nice

Your responsibilities as a Committee member

- Show up – attend the meetings
- Do your homework – prepare
- Follow-through on assignments
- Contribute – share your viewpoints and expertise
- Share what's going on with your network back home

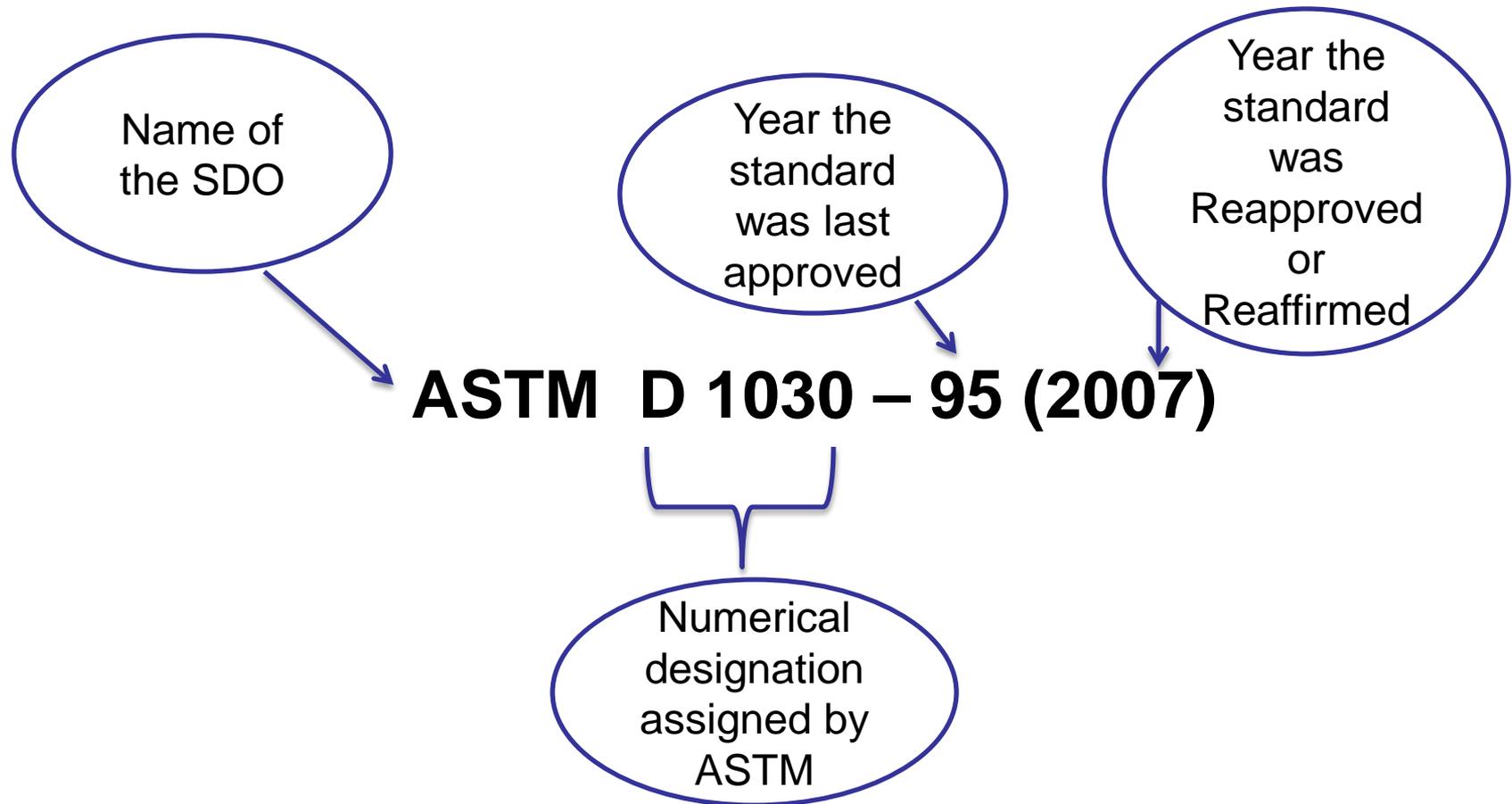
Selecting an SDO

Governance	Is it egalitarian or do a few big players dominate?
Finances	Are the finances sound? Is this group in the game for the long-term?
IPR policy	What is the IPR policy? Will it deter key players?
Reputation	Is this group well-respected?
Competition	Are there competing standards groups?
Membership	Are there potential allies/opponents?
Are the key players involved?	Are key players (potential adopters) missing?
Timing	How long will the development process take?
Process	What is the typical timeline for standards development? What is the required level of consensus? Consensus requirements: can they be used to delay the process?
Disseminating the standard	Is free distribution possible? Is this important to your community?

Any special rules for feds?

- NARA 1104, Directive on Participation on Standards Bodies
- In ISO members of working groups participate as individual experts and delegates are national (ANSI) representatives
- Participate fully, but do not dominate

What's in a Standard's Designation?



Life outside the Committee is as important as what goes on around the table



Myths about standards development

- You'll get to travel to exotic places and see the world
- It is boring
- Everyone is a happy camper

Standards developers are passionate

Mr. [REDACTED]

CC: [REDACTED] *Committee members*

Date: 3-18-2010

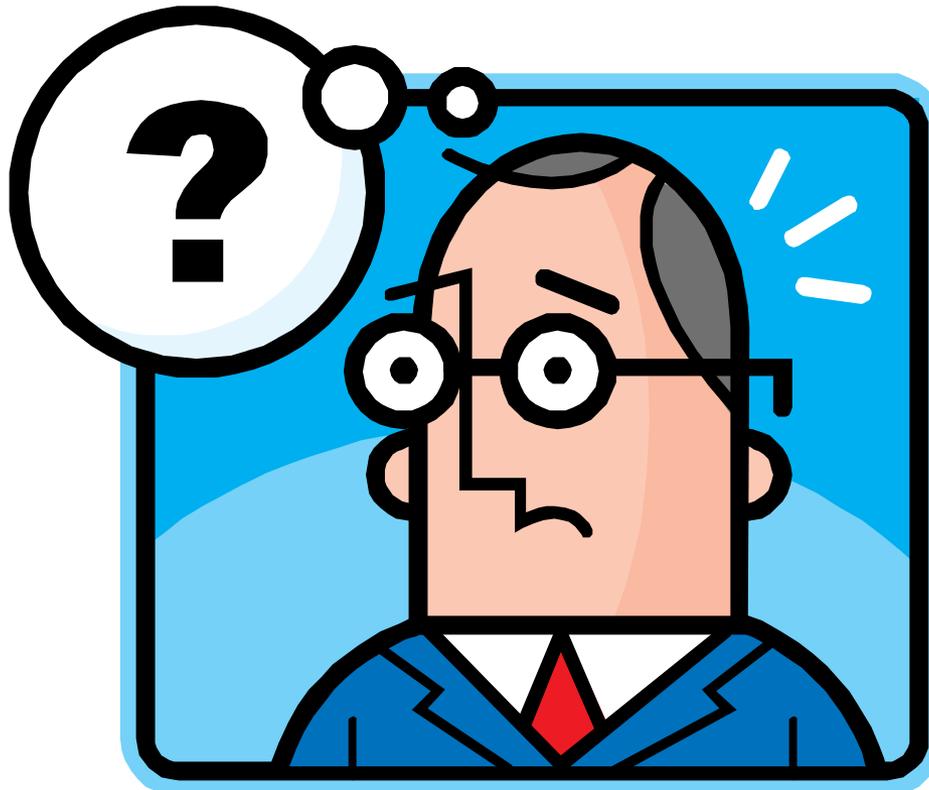
Dear [REDACTED]

I demand that you personally apologize to me and the [REDACTED] main Committee or anyone else that you sent the letter dated February 22nd, I have attached written proof from the individuals you have named and the secretary of the [REDACTED] Interpretation committee that proves all your false accusations and comment towards me and that I was unprofessional are without merit and deserve a written apology to me and whom ever you sent the letter. . . .

Don't be discouraged . . .

- Federal government experts have an important role in standards development
- We are big consumers and can shape markets
- Expertise
- Public interest

Help is available!



Resources to draw on

- NIST's Standards Services Group
- NIST's Standards Information Center - NCSCI
- [Standards.gov](http://standards.gov)

Standards
development
is not for the
unprepared!



Review

- Standards development is not for the **unprepared**
- It's now up to you!
 - Know the process
 - Know the players
 - Be ready to contribute

Thank You

Standards Development: A View from the Inside

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